

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042536.D
 Acq On : 14 May 2025 10:23
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: May 15 01:31:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 13 02:07:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	118016	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.962	114	346885	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.885	117	301246	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	262420	10.012	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	171613	8.955	ppbv	98
3) Chlorodifluoromethane	1.476	51	178542	9.142	ppbv	99
4) Chloromethane	1.535	50	70011	8.951	ppbv	94
5) Vinyl Chloride	1.580	62	64926	8.113	ppbv	99
6) Bromomethane	1.671	94	34232	9.007	ppbv	94
7) Chloroethane	1.706	64	25275	7.999	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	145026	8.795	ppbv	97
9) Propene	1.774	41	44201	10.436	ppbv	98
10) Heptane	4.985	43	167648	10.358	ppbv	100
11) Trichlorofluoromethane	1.878	101	174991	9.493	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.143	101	140590	9.496	ppbv	99
13) Ethanol	1.722	45	8187	7.187	ppbv	95
14) Bromoethene	1.784	108	49951	9.254	ppbv	99
15) Acetone	1.836	43	144309	7.586	ppbv	99
16) 1,3-Butadiene	1.609	39	76085	8.972	ppbv	97
17) tert-Butyl alcohol	2.043	59	167624	9.620	ppbv	99
18) 1,1-Dichloroethene	2.036	96	62337	9.607	ppbv	97
19) Isopropyl Alcohol	1.888	45	93610	9.138	ppbv	100
20) Methylene Chloride	2.062	84	55969	8.523	ppbv	98
21) Allyl Chloride	2.098	41	119972	9.609	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	70366	9.270	ppbv	92
23) Vinyl Acetate	2.464	43	194509	9.852	ppbv #	99
24) 1,1-Dichloroethane	2.412	63	139379	9.491	ppbv	98
25) Ethyl Acetate	2.839	43	320825	9.689	ppbv	100
26) Hexane	2.826	57	142712	10.498	ppbv	95
27) Carbon Disulfide	2.153	76	173546	9.889	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	84256	11.156	ppbv	96
29) Chloroform	2.852	83	250373	8.880	ppbv	98
30) Cyclohexane	3.862	84	117210	10.502	ppbv	99
31) cis-1,2-Dichloroethene	2.723	61	144036	9.383	ppbv	94
32) 1,1,1-Trichloroethane	3.370	97	255645	8.787	ppbv	97
34) 2-Butanone	2.557	43	198101	8.664	ppbv	100
35) Carbon Tetrachloride	3.765	117	279020	8.947	ppbv	98
36) Benzene	3.661	78	292705	9.521	ppbv	99
37) 1,2-Dichloroethane	3.221	62	194846	8.885	ppbv	99
38) Trichloroethene	4.551	130	121523	9.092	ppbv	98
39) 1,2-Dichloropropane	4.318	63	102683	8.967	ppbv	94
40) 1,4-Dioxane	4.584	88	45600	9.810	ppbv #	90
41) Tetrahydrofuran	3.056	42	103053	10.412	ppbv	99
42) Bromodichloromethane	4.493	83	268737	9.183	ppbv	94
43) Methyl Methacrylate	4.888	69	64497	6.265	ppbv #	27
44) 2,2,4-Trimethylpentane	4.645	57	482249	9.900	ppbv	99
45) t-1,3-Dichloropropene	6.419	75	135101	10.271	ppbv	96

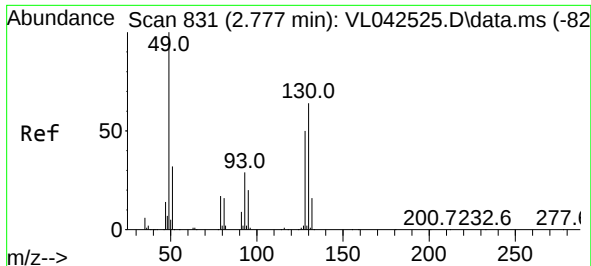
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051425\
 Data File : VL042536.D
 Acq On : 14 May 2025 10:23
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 15 01:31:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 13 02:07:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	162473	10.268	ppbv	94
47) 1,1,2-Trichloroethane	6.587	97	121339	8.999	ppbv	97
48) Dibromochloromethane	7.393	129	214390	9.523	ppbv	98
49) Bromoform	9.487	173	180872	9.790	ppbv	99
50) 4-Methyl-2-Pentanone	5.759	43	277297	10.326	ppbv	99
51) 2-Hexanone	7.442	43	226925	11.360	ppbv #	99
52) Tetrachloroethene	8.231	164	105432	8.964	ppbv	97
53) Toluene	6.940	91	324628	10.761	ppbv	99
54) 1,2-Dibromoethane	7.655	107	182645	9.275	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.930	131	166298	8.904	ppbv	98
57) Chlorobenzene	8.927	112	271874	8.989	ppbv	96
58) Ethyl Benzene	9.361	91	470778	11.466	ppbv	90
59) m/p-Xylene	9.558	91	396174	10.864	ppbv #	100
60) o-Xylene	9.966	91	400752	11.253	ppbv	99
61) Styrene	9.876	104	155757	11.809	ppbv	99
62) Isopropylbenzene	10.542	105	582836	10.866	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	247714	8.570	ppbv	100
64) n-propylbenzene	10.992	120	149494	10.978	ppbv	97
65) tert-Butylbenzene	11.536	119	531415	10.790	ppbv	100
66) Benzyl Chloride	11.620	91	68005	10.391	ppbv	97
67) sec-Butylbenzene	11.772	105	733701	10.390	ppbv	100
69) p-Isopropyltoluene	11.928	119	641428	11.049	ppbv	100
70) n-Butylbenzene	12.284	91	637479	11.113	ppbv	99
71) 2-Chlorotoluene	10.905	91	449790	11.075	ppbv	99
72) 4-Ethyltoluene	11.128	105	497072	11.252	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	417484	10.849	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	474163	10.016	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	280626	9.464	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	280915	9.958	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	272842	8.908	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	225532	8.588	ppbv	99
79) Naphthalene	13.517	128	441576	13.459	ppbv	96
80) Naphthalene,2-methyl-	14.459	142	275041	14.525	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	227198	11.385	ppbv	99

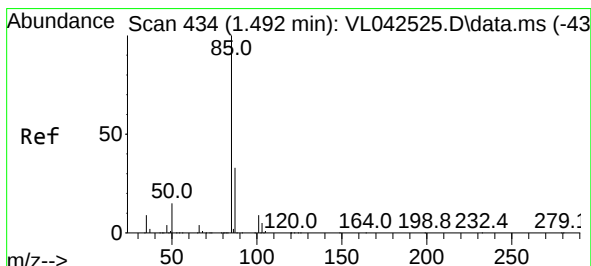
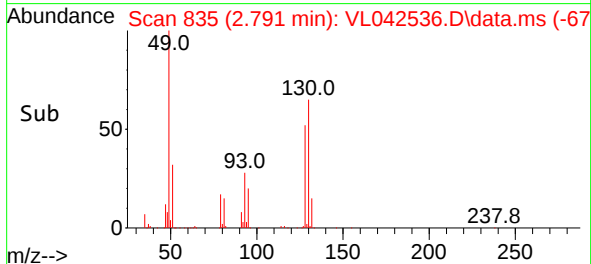
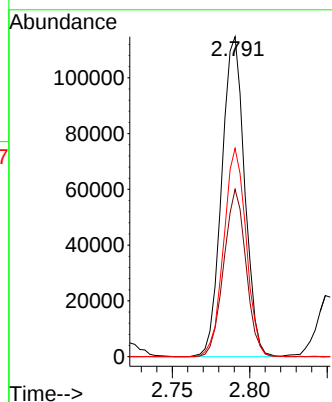
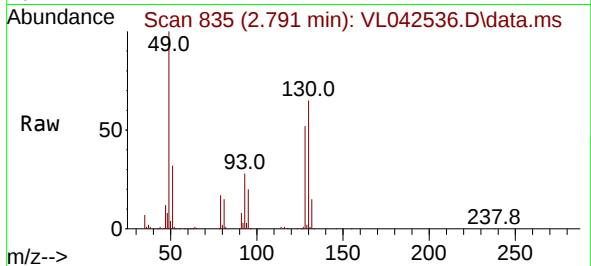
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 81
Delta R.T. 0.014 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

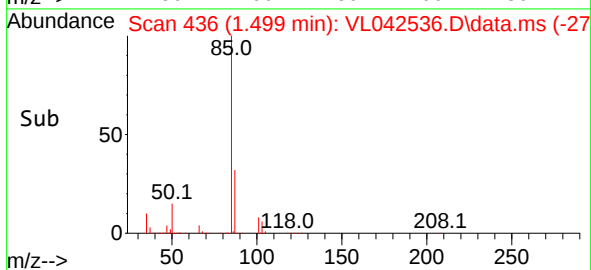
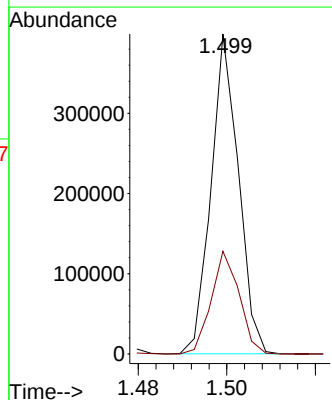
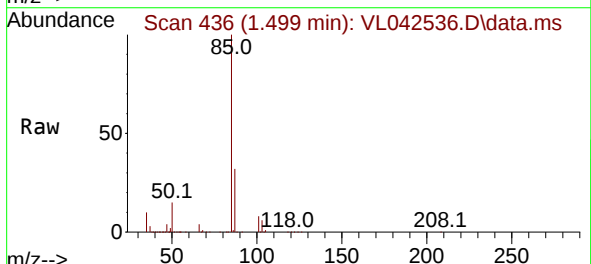
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

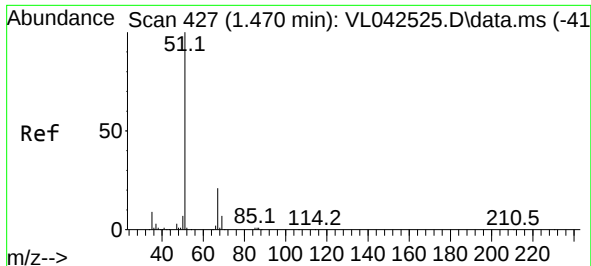
Tgt Ion: 49 Resp: 118016
Ion Ratio Lower Upper
49 100
128 50.7 24.9 74.6
130 64.0 32.5 97.5



#2
Dichlorodifluoromethane
Concen: 8.955 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 85 Resp: 171613
Ion Ratio Lower Upper
85 100
87 32.1 26.8 40.2

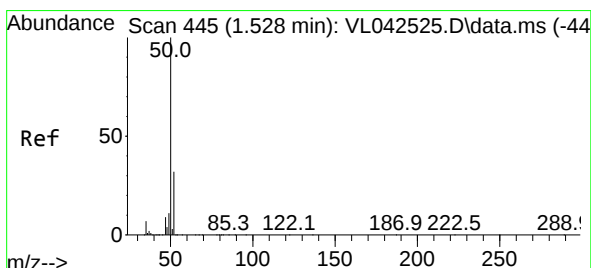
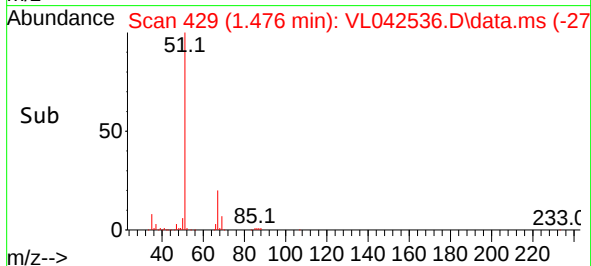
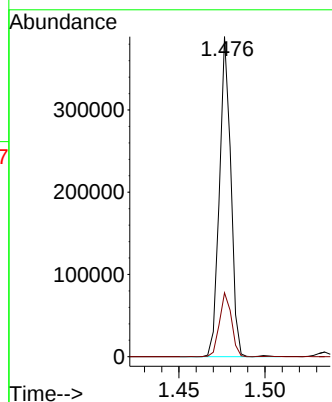
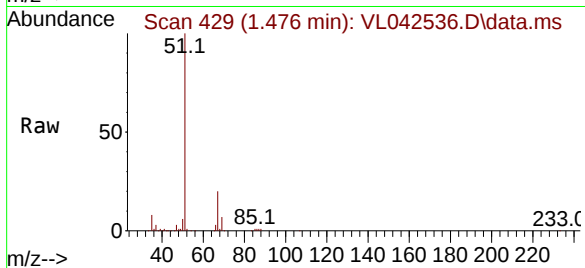




#3
Chlorodifluoromethane
Concen: 9.142 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

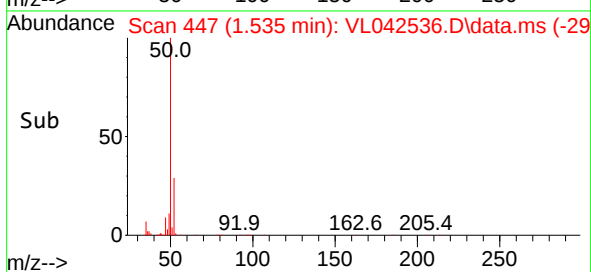
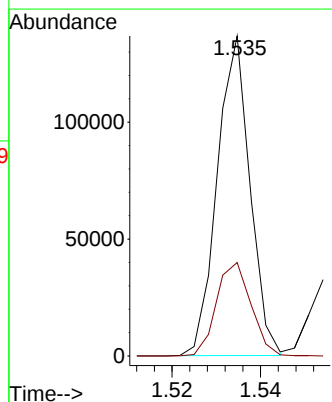
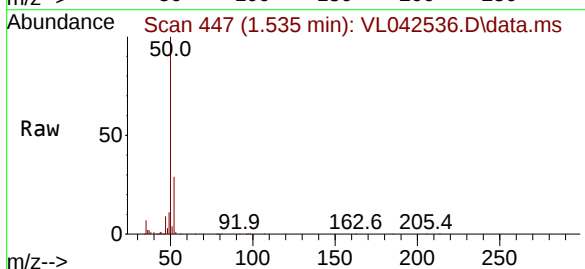
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ClientSampleId :
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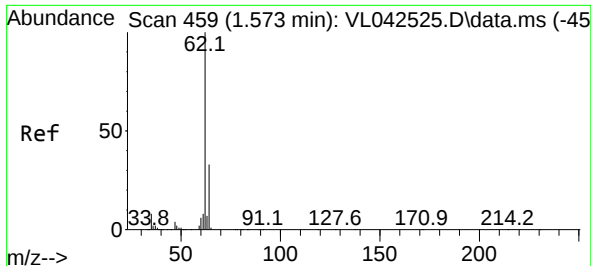
Tgt Ion: 51 Resp: 178542
Ion Ratio Lower Upper
51 100
67 21.3 17.4 26.0



#4
Chloromethane
Concen: 8.951 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 50 Resp: 70011
Ion Ratio Lower Upper
50 100
52 29.2 25.9 38.9

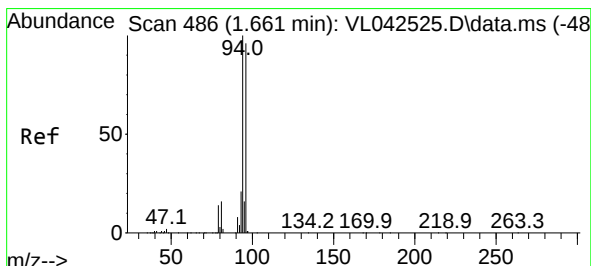
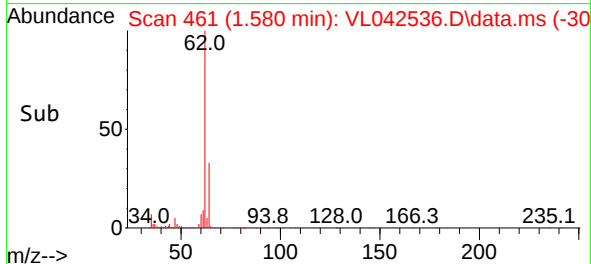
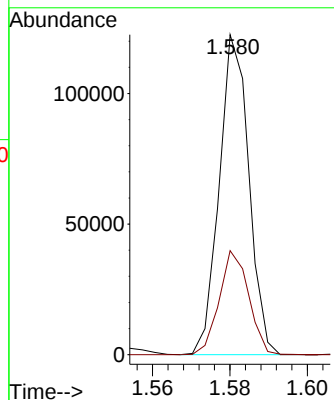
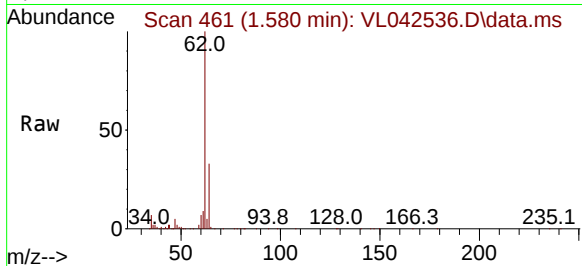




#5
 Vinyl Chloride
 Concen: 8.113 ppbv
 RT: 1.580 min Scan# 41
 Delta R.T. 0.007 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

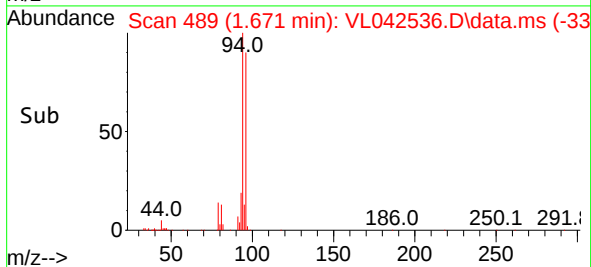
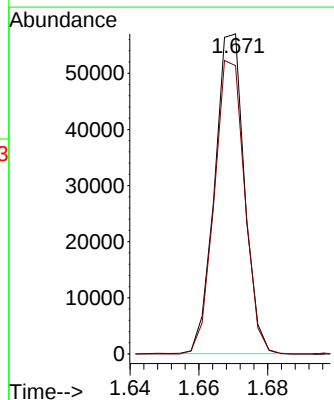
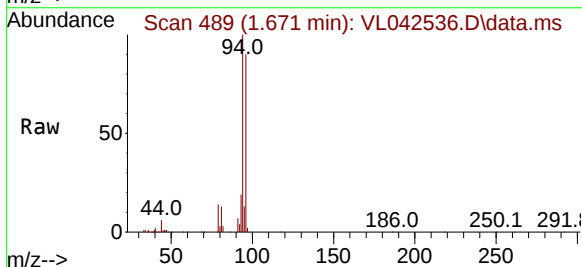
Instrument :
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 ClientSampleId :
 VSTDCCC010

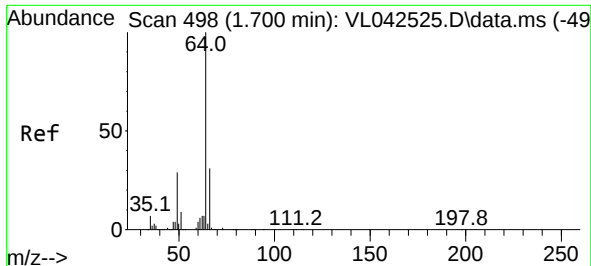
Tgt Ion: 62 Resp: 64926
 Ion Ratio Lower Upper
 62 100
 64 32.5 26.5 39.7



#6
 Bromomethane
 Concen: 9.007 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.010 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

Tgt Ion: 94 Resp: 34232
 Ion Ratio Lower Upper
 94 100
 96 90.2 76.9 115.3

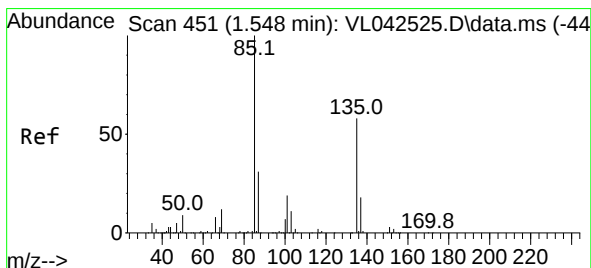
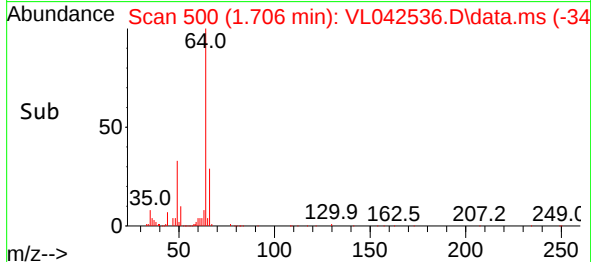
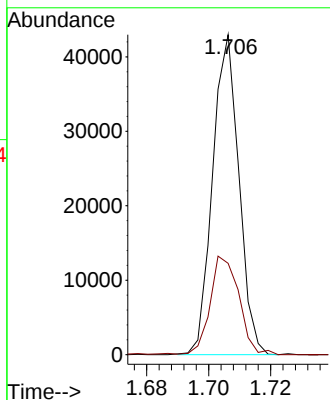
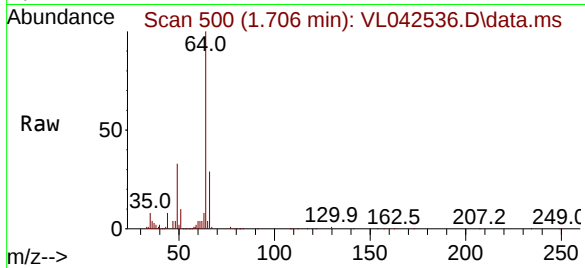




#7
Chloroethane
Concen: 7.999 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

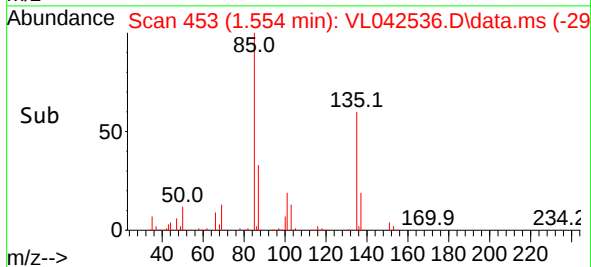
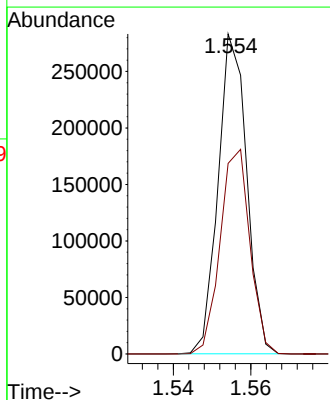
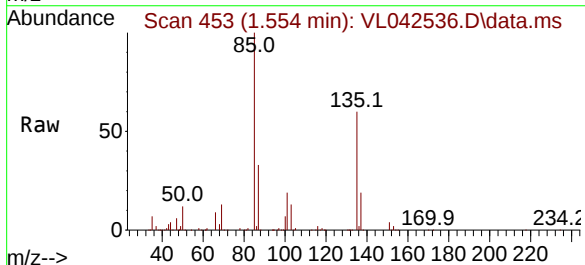
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

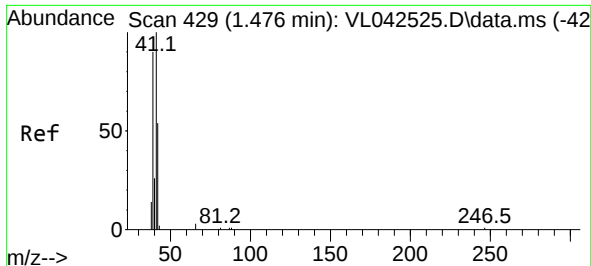
Tgt Ion: 64 Resp: 25275
Ion Ratio Lower Upper
64 100
66 28.6 25.1 37.7



#8
Dichlorotetrafluoroethane
Concen: 8.795 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 85 Resp: 145026
Ion Ratio Lower Upper
85 100
135 66.9 51.8 77.8

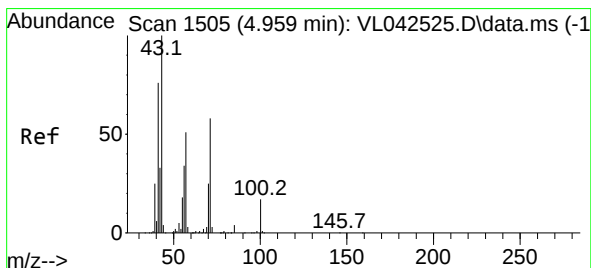
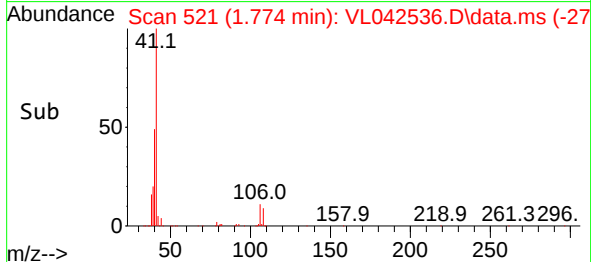
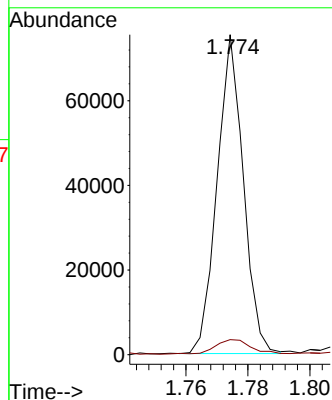
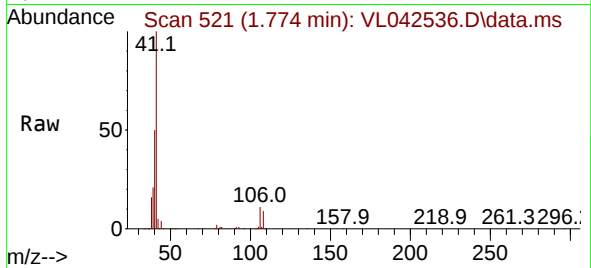




#9
Propene
Concen: 10.436 ppbv
RT: 1.774 min Scan# 51
Delta R.T. 0.298 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

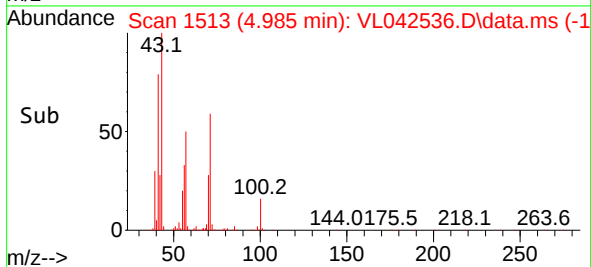
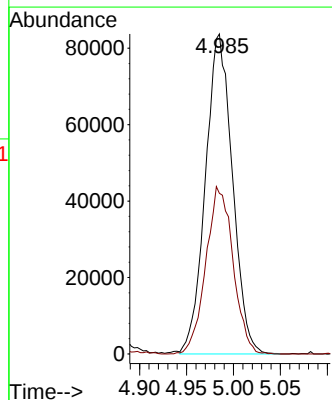
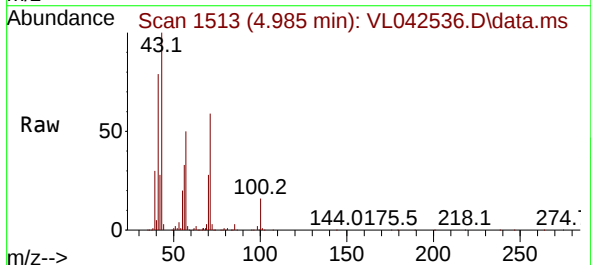
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

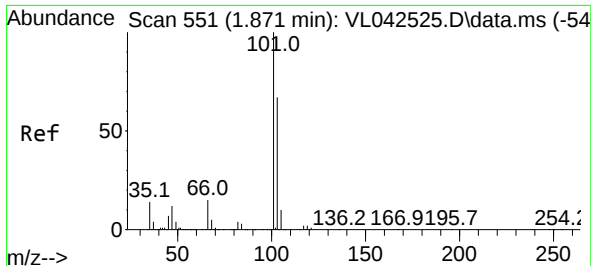
Tgt Ion: 41 Resp: 44201
Ion Ratio Lower Upper
41 100
42 5.8 4.1 6.1



#10
Heptane
Concen: 10.358 ppbv
RT: 4.985 min Scan# 1513
Delta R.T. 0.026 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 43 Resp: 167648
Ion Ratio Lower Upper
43 100
57 52.5 42.1 63.1

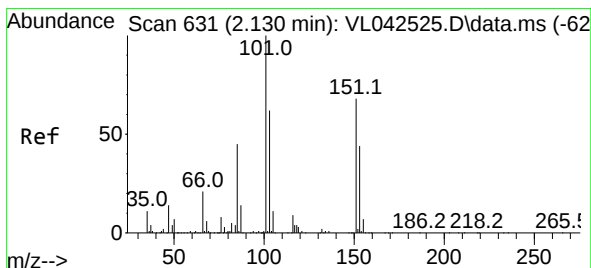
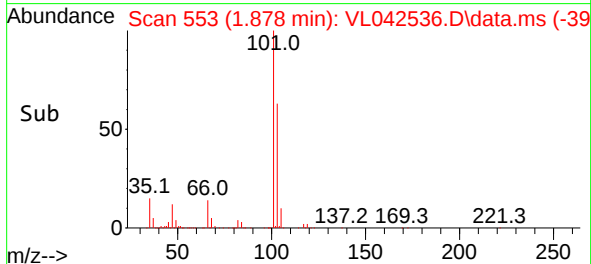
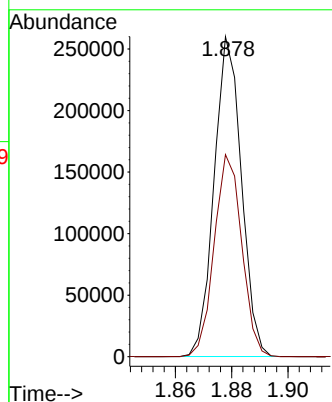
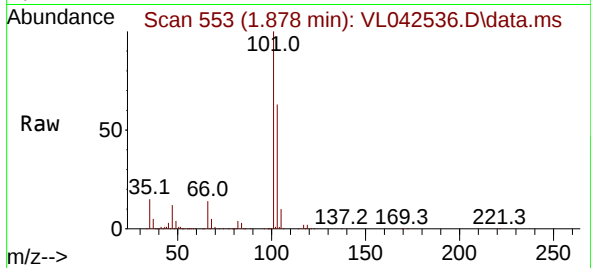




#11
Trichlorofluoromethane
Concen: 9.493 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

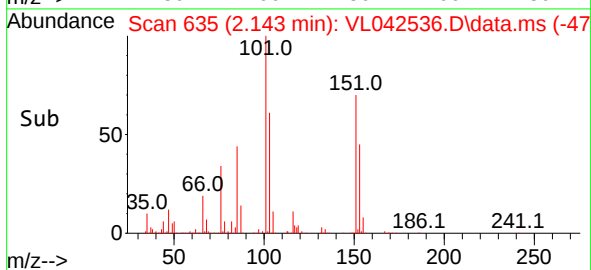
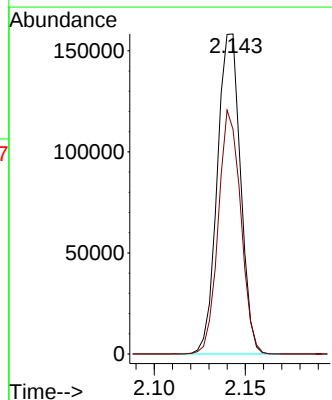
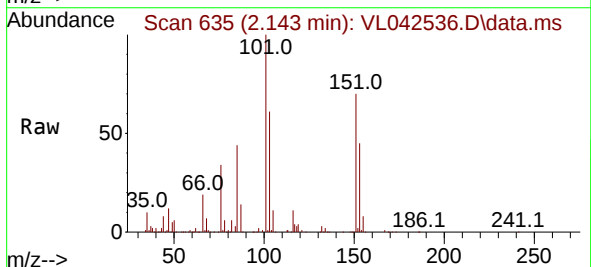
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

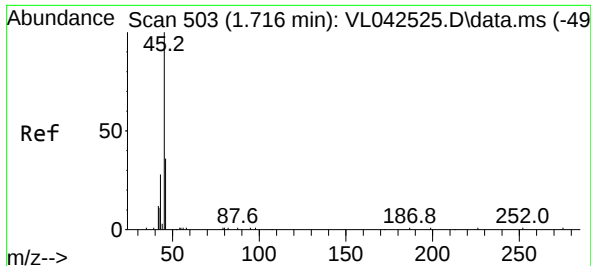
Tgt Ion:101 Resp: 174991
Ion Ratio Lower Upper
101 100
103 63.2 53.8 80.6



#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.496 ppbv
RT: 2.143 min Scan# 635
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion:101 Resp: 140590
Ion Ratio Lower Upper
101 100
151 73.4 57.8 86.8

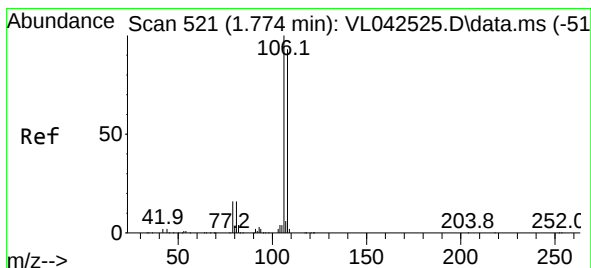
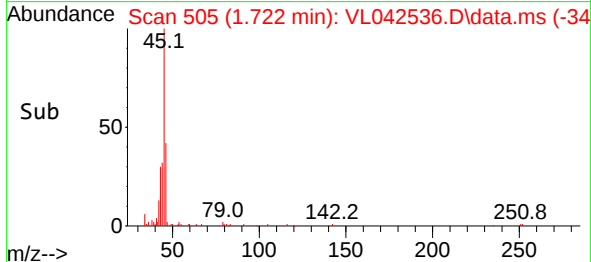
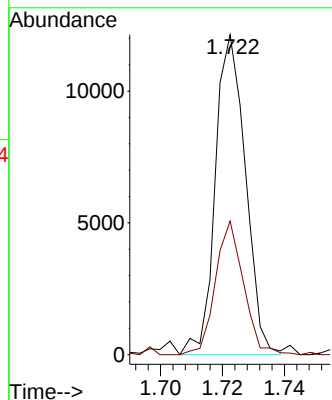
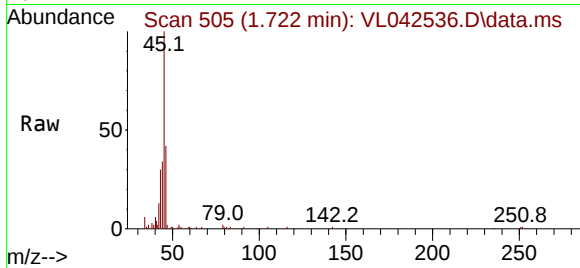




#13
Ethanol
Concen: 7.187 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

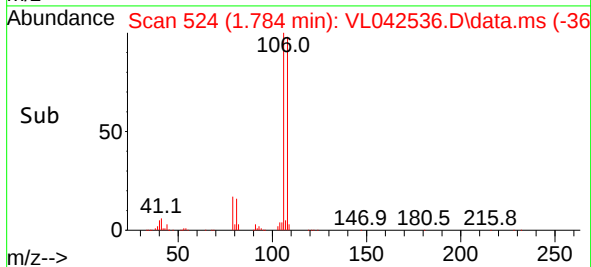
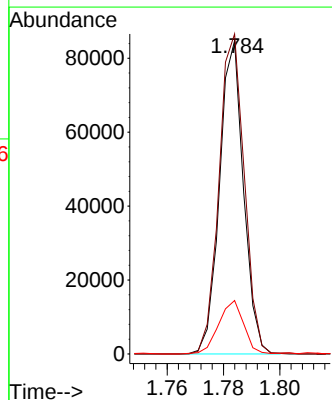
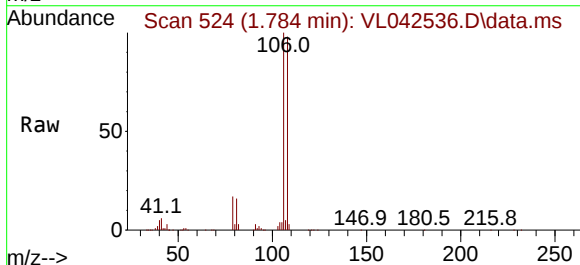
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

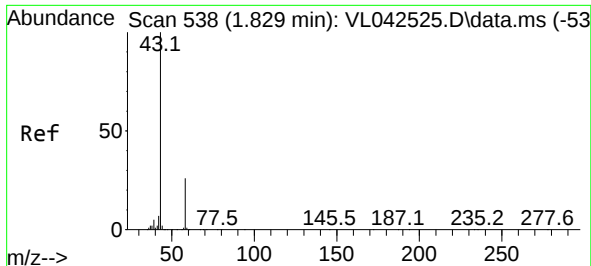
Tgt Ion: 45 Resp: 8187
Ion Ratio Lower Upper
45 100
46 40.0 14.8 59.4



#14
Bromoethene
Concen: 9.254 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.010 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 108 Resp: 49951
Ion Ratio Lower Upper
108 100
106 107.9 87.4 131.2
79 18.6 15.1 22.7

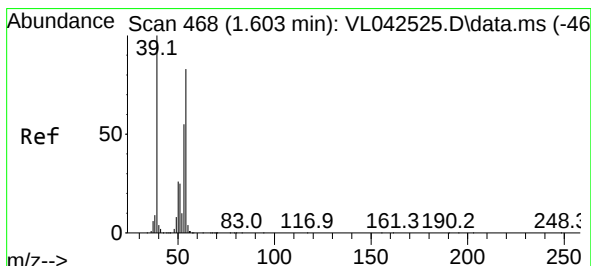
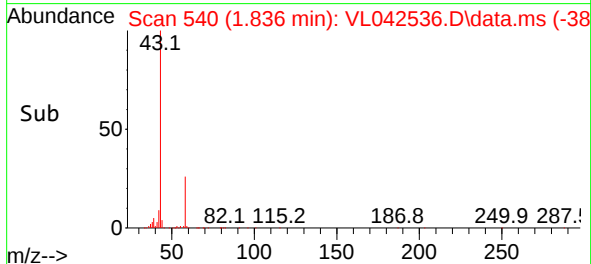
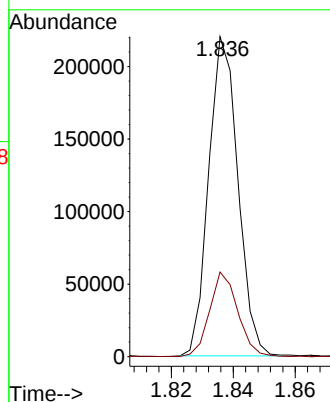
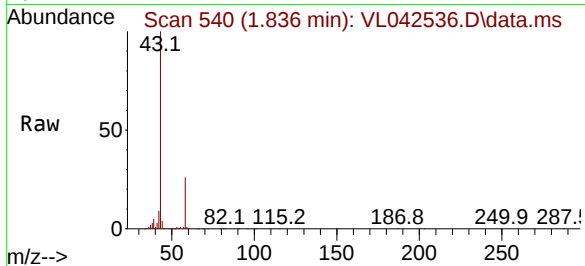




#15
Acetone
Concen: 7.586 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

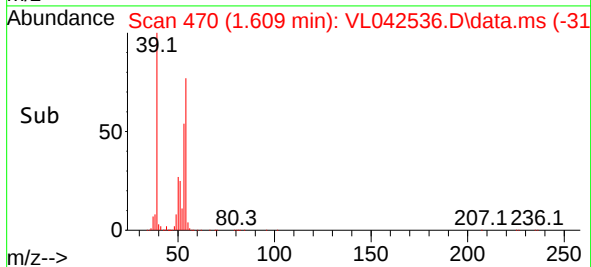
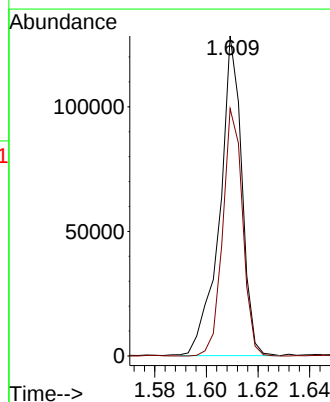
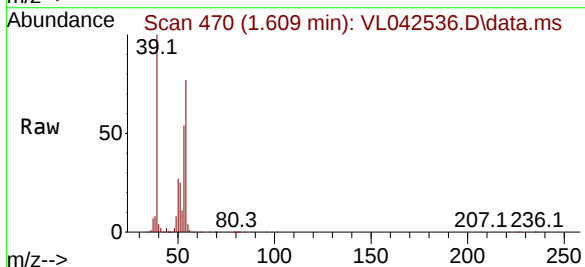
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

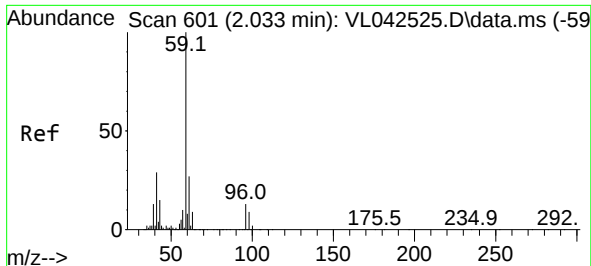
Tgt Ion: 43 Resp: 144309
Ion Ratio Lower Upper
43 100
58 25.9 21.3 31.9



#16
1,3-Butadiene
Concen: 8.972 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 39 Resp: 76085
Ion Ratio Lower Upper
39 100
54 69.8 57.8 86.6





#17

tert-Butyl alcohol

Concen: 9.620 ppbv

RT: 2.043 min Scan# 601

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

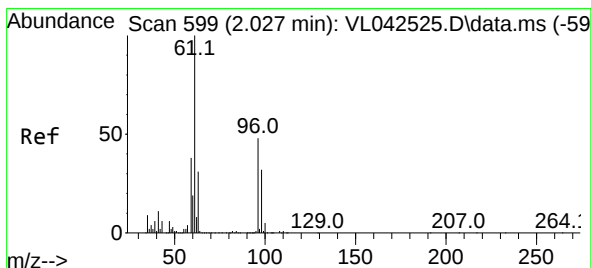
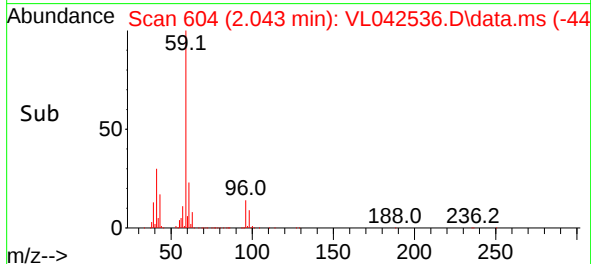
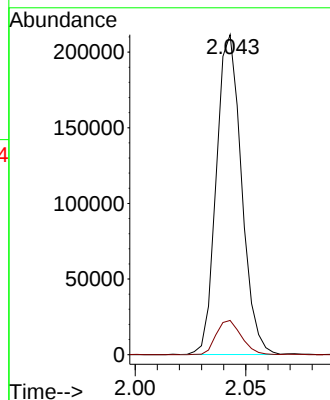
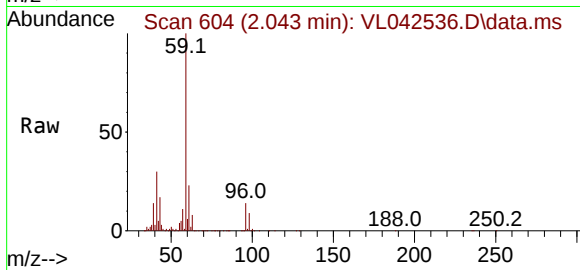
VSTDCCC010

Tgt Ion: 59 Resp: 167624

Ion Ratio Lower Upper

59 100

57 10.8 8.2 12.4



#18

1,1-Dichloroethene

Concen: 9.607 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

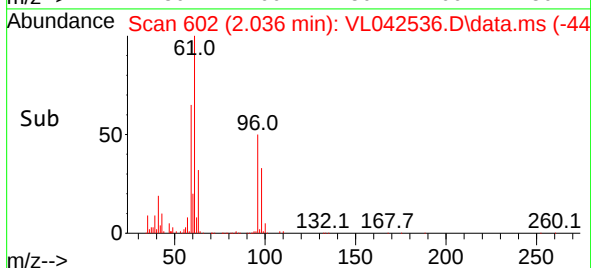
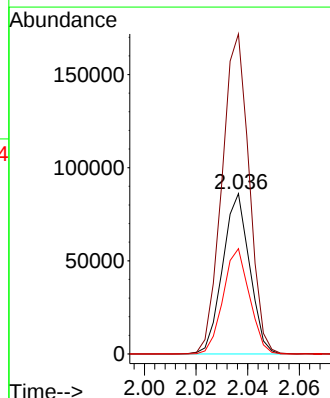
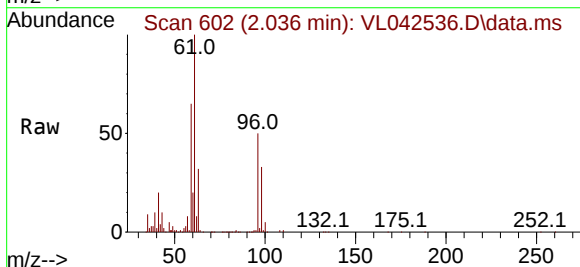
Tgt Ion: 96 Resp: 62337

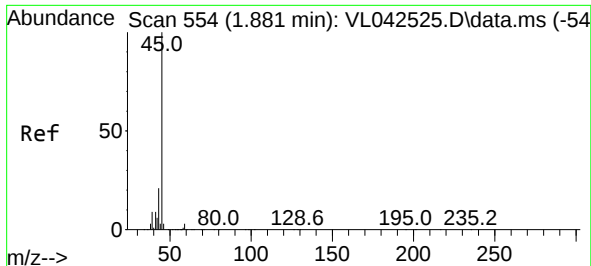
Ion Ratio Lower Upper

96 100

61 199.5 165.0 247.4

98 65.7 52.6 79.0

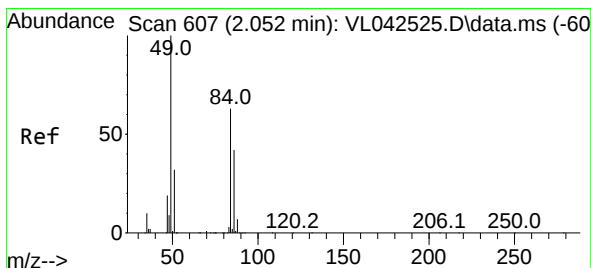
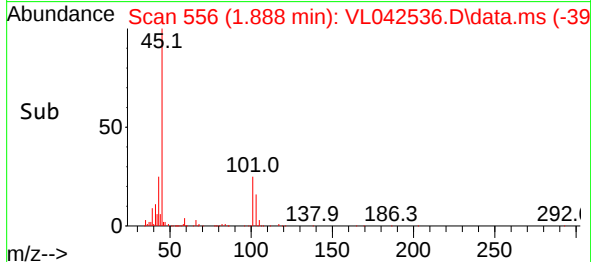
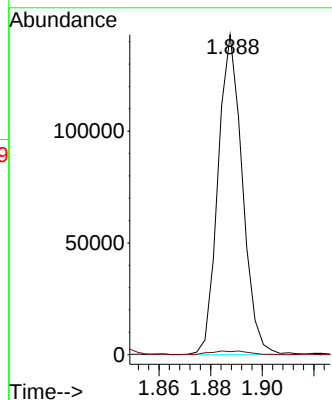
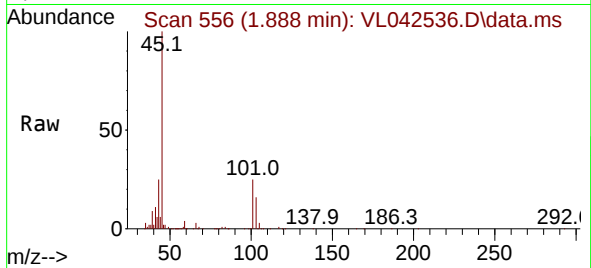




#19
Isopropyl Alcohol
Concen: 9.138 ppbv
RT: 1.888 min Scan# 51
Delta R.T. 0.007 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

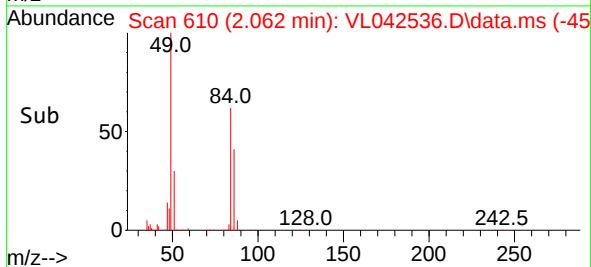
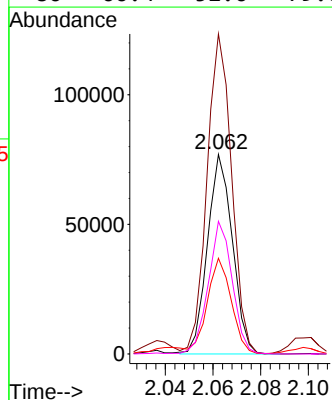
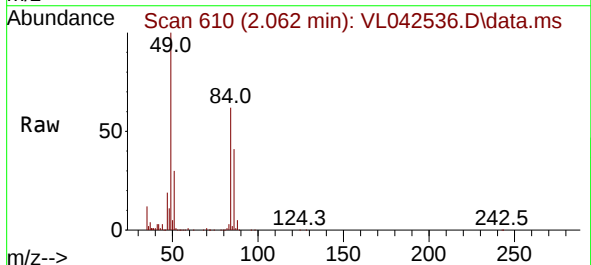
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

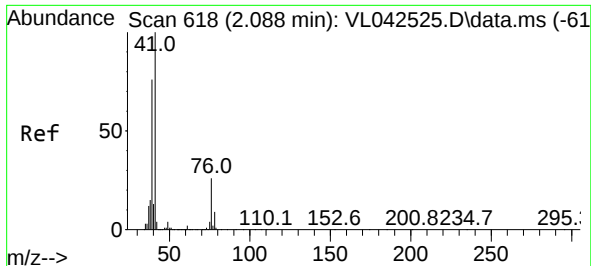
Tgt Ion: 45 Resp: 93610
Ion Ratio Lower Upper
45 100
58 2.0 1.5 2.3



#20
Methylene Chloride
Concen: 8.523 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.010 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 84 Resp: 55969
Ion Ratio Lower Upper
84 100
49 158.8 128.2 192.4
51 47.2 41.7 62.5
86 66.4 52.6 79.0

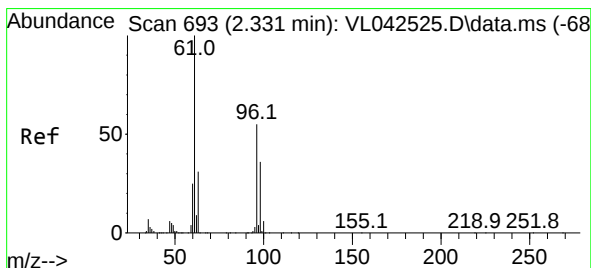
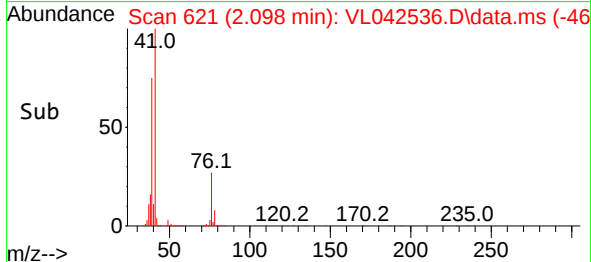
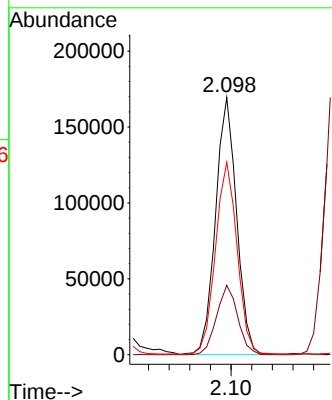
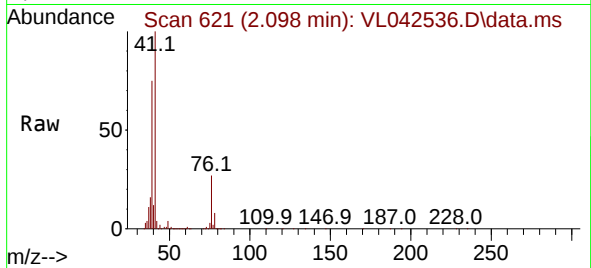




#21
 Allyl Chloride
 Concen: 9.609 ppbv
 RT: 2.098 min Scan# 618
 Delta R.T. 0.010 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

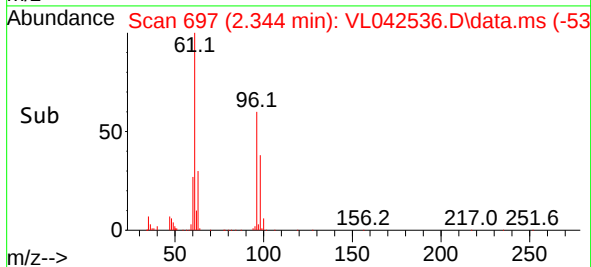
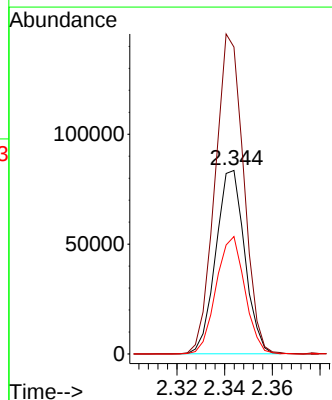
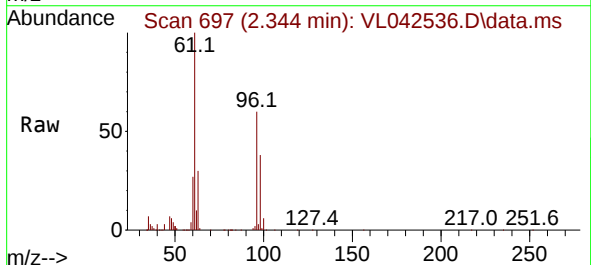
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

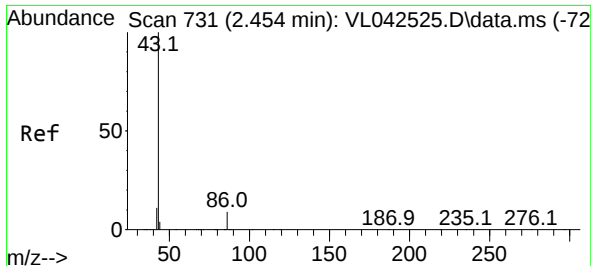
Tgt Ion: 41 Resp: 119972
 Ion Ratio Lower Upper
 41 100
 76 27.2 22.0 33.0
 39 76.8 59.5 89.3



#22
 trans-1,2-Dichloroethene
 Concen: 9.270 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.013 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

Tgt Ion: 96 Resp: 70366
 Ion Ratio Lower Upper
 96 100
 61 167.2 145.9 218.9
 98 63.9 52.2 78.4

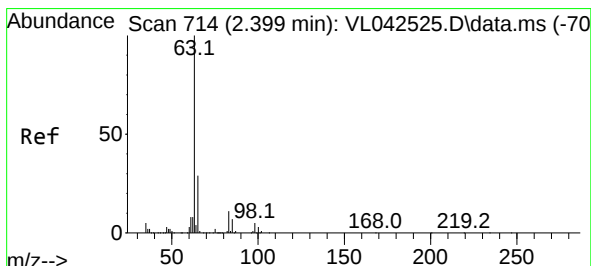
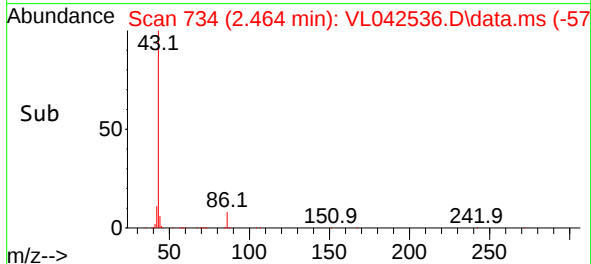
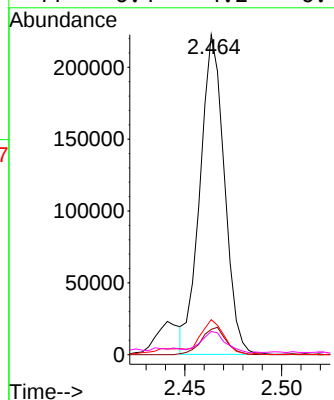
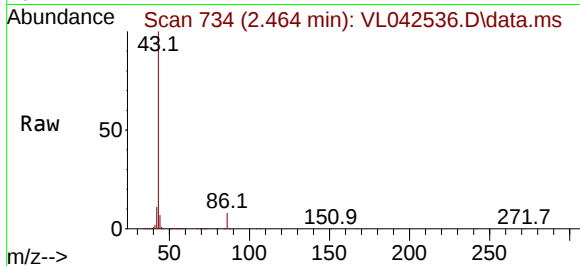




#23
Vinyl Acetate
Concen: 9.852 ppbv
RT: 2.464 min Scan# 718
Delta R.T. 0.010 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

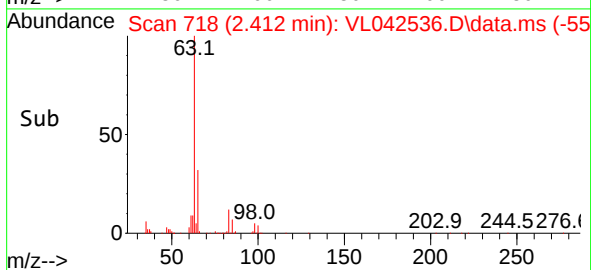
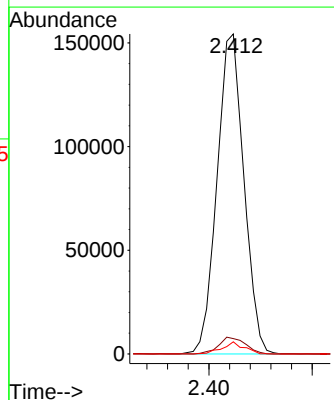
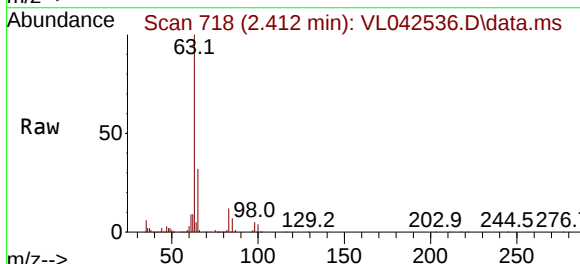
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

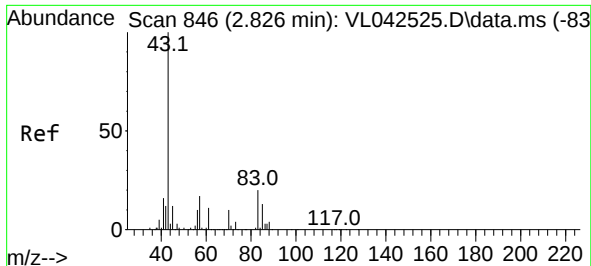
Tgt Ion: 43 Resp: 194509
Ion Ratio Lower Upper
43 100
86 7.9 6.8 10.2
42 10.9 8.8 13.2
44 6.4 4.2 6.4#



#24
1,1-Dichloroethane
Concen: 9.491 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 63 Resp: 139379
Ion Ratio Lower Upper
63 100
98 4.8 2.6 8.0
100 3.8 1.4 4.2

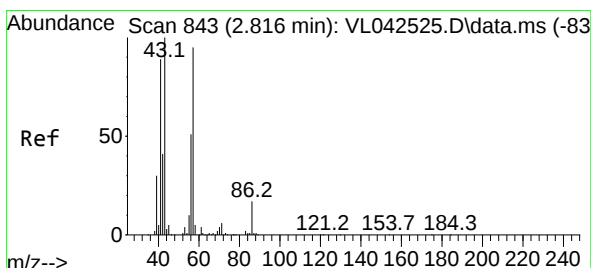
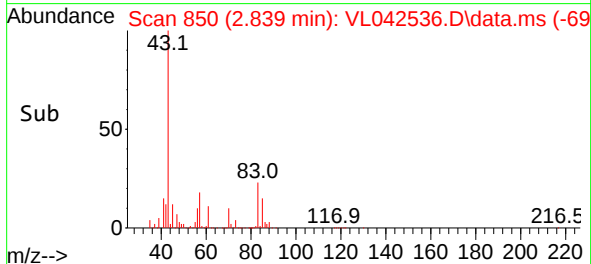
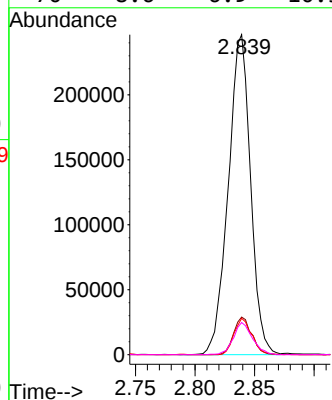
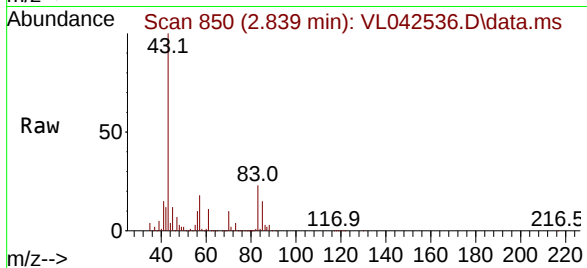




#25
Ethyl Acetate
Concen: 9.689 ppbv
RT: 2.839 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

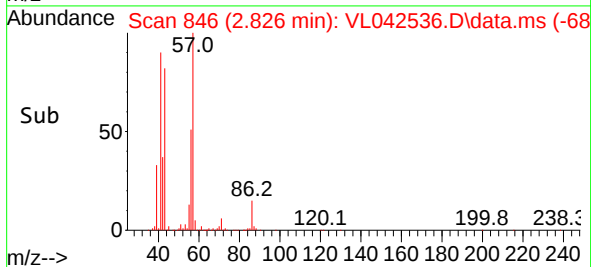
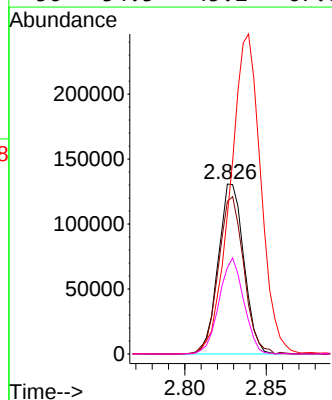
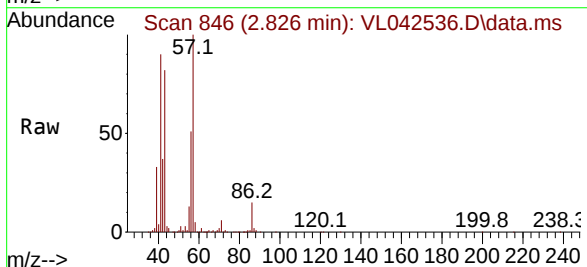
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

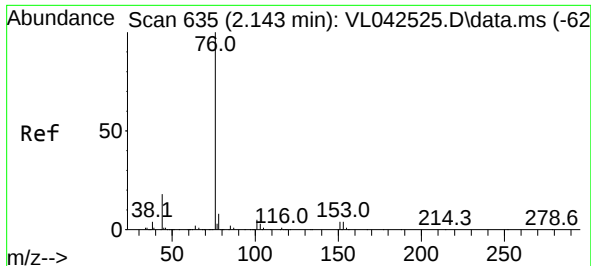
Tgt Ion: 43 Resp: 320825
Ion Ratio Lower Upper
43 100
45 9.6 7.9 11.9
61 9.1 7.1 10.7
70 8.6 6.9 10.3



#26
Hexane
Concen: 10.498 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.010 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 57 Resp: 142712
Ion Ratio Lower Upper
57 100
41 92.6 76.1 114.1
43 225.0 188.9 283.3
56 54.5 45.2 67.8

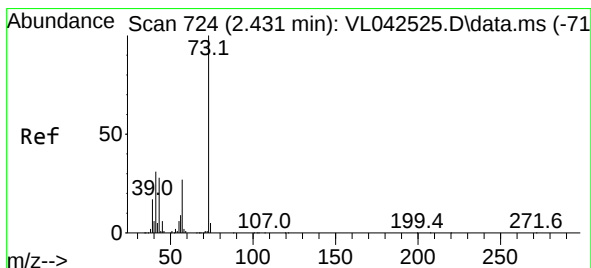
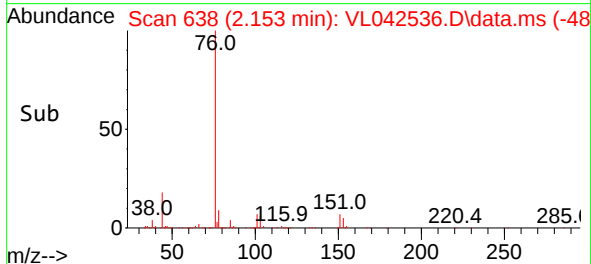
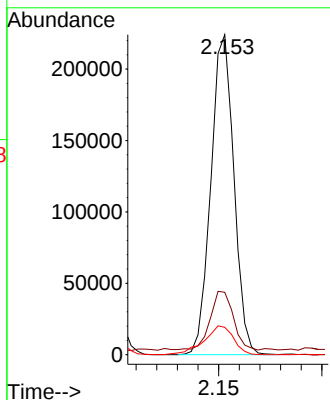
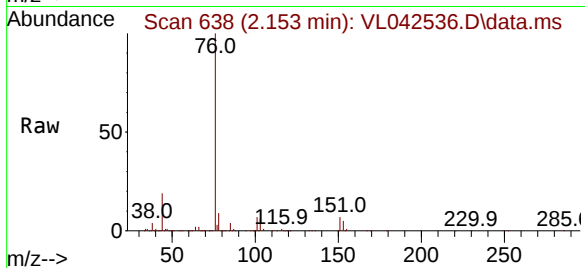




#27
Carbon Disulfide
Concen: 9.889 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

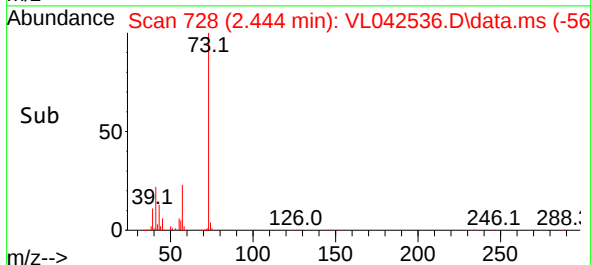
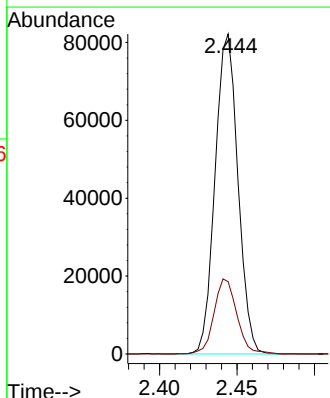
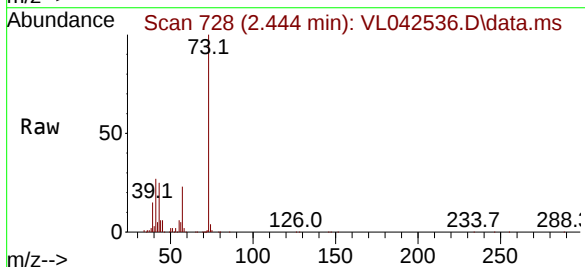
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

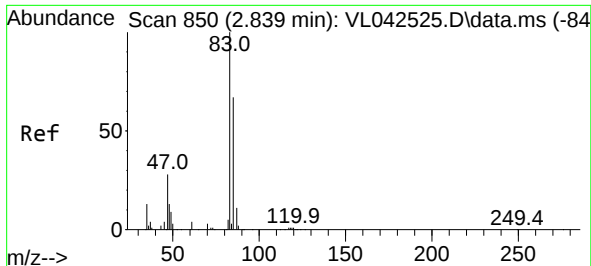
Tgt Ion: 76 Resp: 173546
Ion Ratio Lower Upper
76 100
44 20.0 17.1 25.7
78 11.5 8.6 12.8



#28
Methyl tert-Butyl Ether
Concen: 11.156 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 73 Resp: 84256
Ion Ratio Lower Upper
73 100
57 23.4 20.3 30.5





#29

Chloroform

Concen: 8.880 ppbv

RT: 2.852 min Scan# 850

Delta R.T. 0.013 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

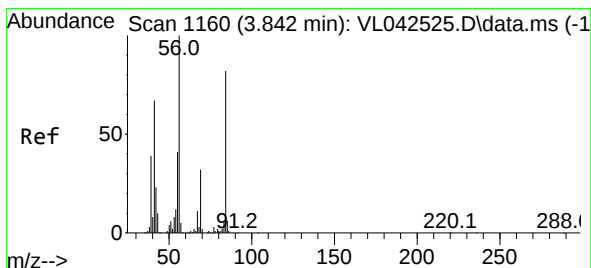
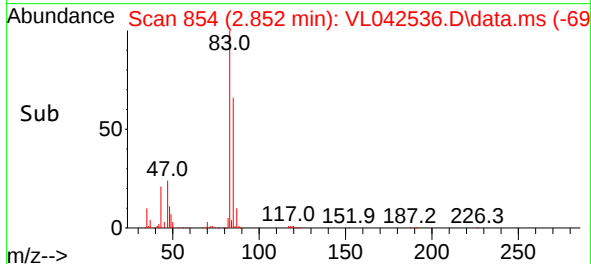
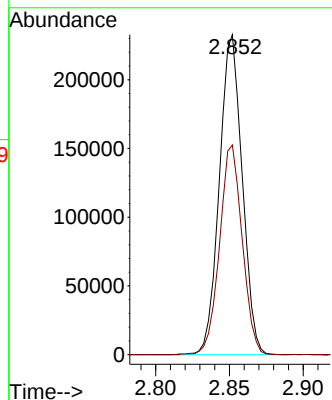
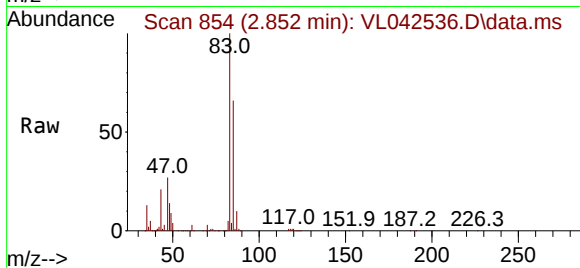
VSTDCCC010

Tgt Ion: 83 Resp: 250373

Ion Ratio Lower Upper

83 100

85 65.5 53.5 80.3



#30

Cyclohexane

Concen: 10.502 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.020 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

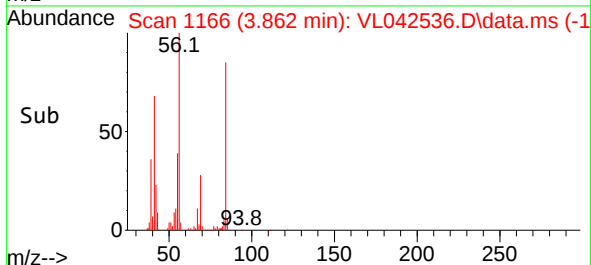
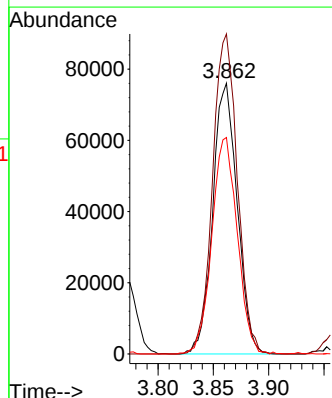
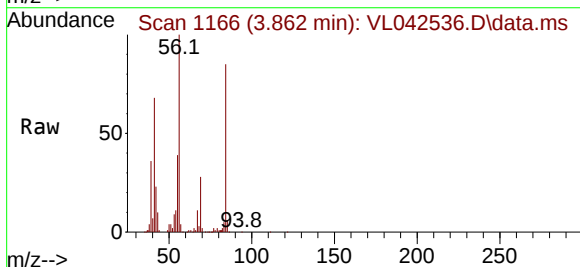
Tgt Ion: 84 Resp: 117210

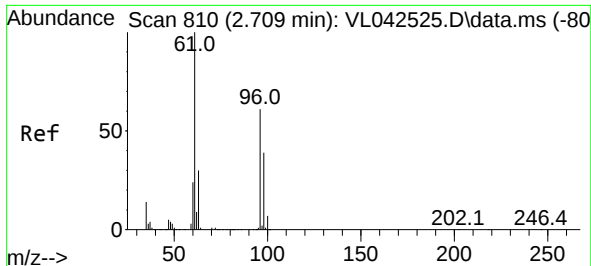
Ion Ratio Lower Upper

84 100

56 119.1 97.1 145.7

41 83.0 66.6 99.8

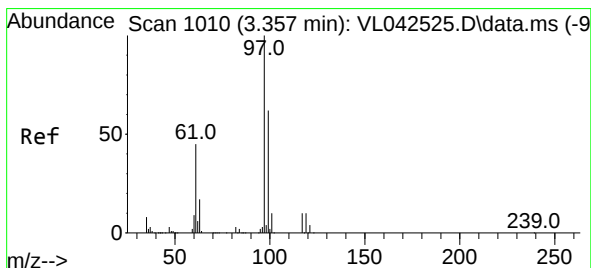
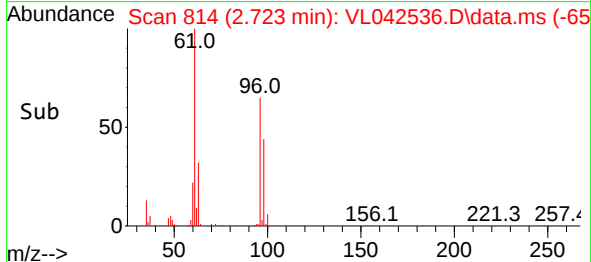
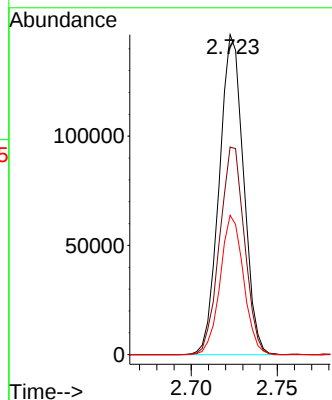
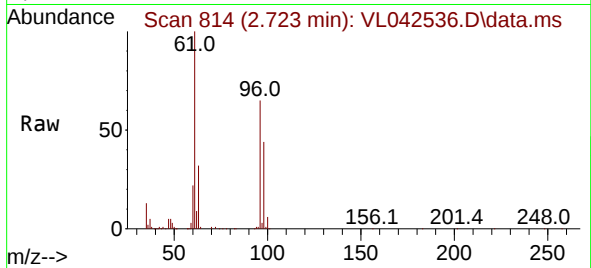




#31
 cis-1,2-Dichloroethene
 Concen: 9.383 ppbv
 RT: 2.723 min Scan# 810
 Delta R.T. 0.013 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

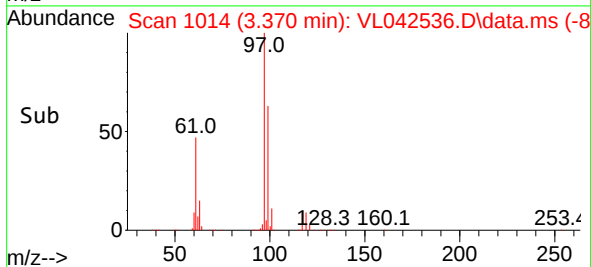
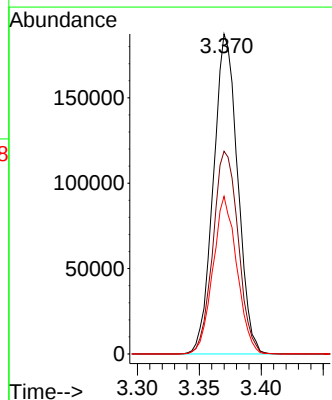
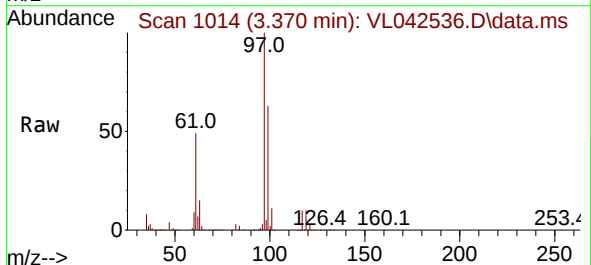
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

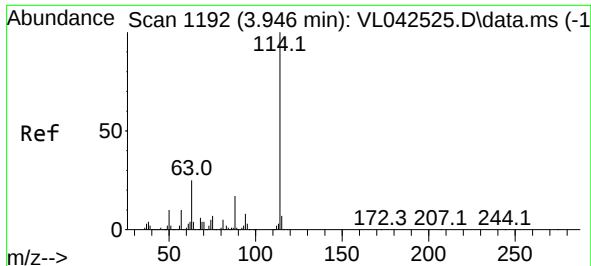
Tgt Ion: 61 Resp: 144036
 Ion Ratio Lower Upper
 61 100
 96 64.9 48.9 73.3
 98 43.6 31.4 47.2



#32
 1,1,1-Trichloroethane
 Concen: 8.787 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.013 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

Tgt Ion: 97 Resp: 255645
 Ion Ratio Lower Upper
 97 100
 99 65.9 50.1 75.1
 61 48.7 38.2 57.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.016 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

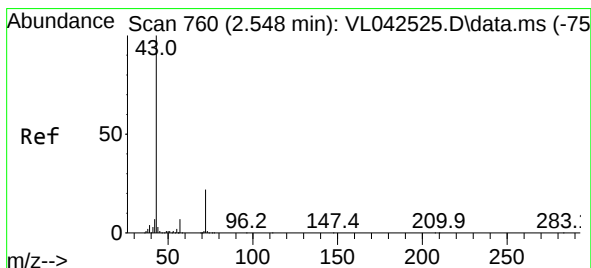
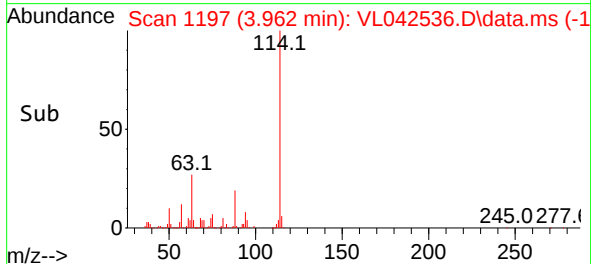
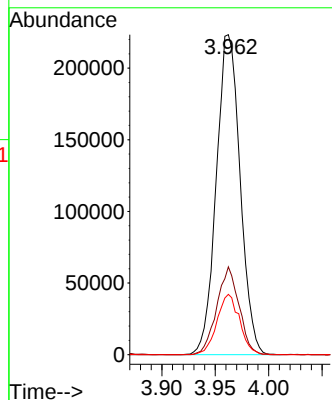
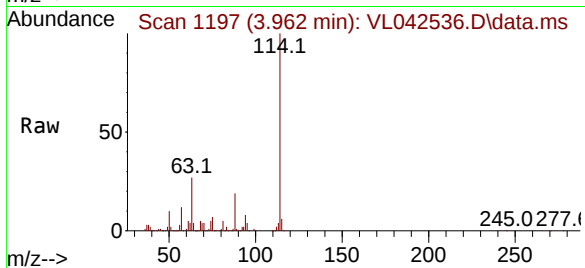
Tgt Ion:114 Resp: 346885

Ion Ratio Lower Upper

114 100

63 25.6 20.4 30.6

88 18.0 14.5 21.7



#34

2-Butanone

Concen: 8.664 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.010 min

Lab File: VL042536.D

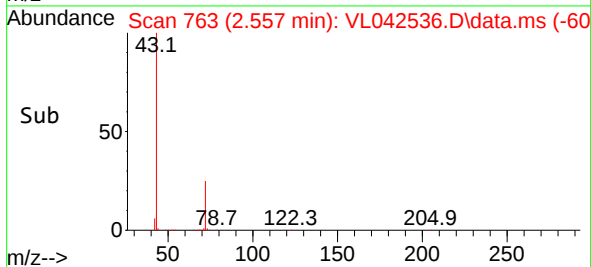
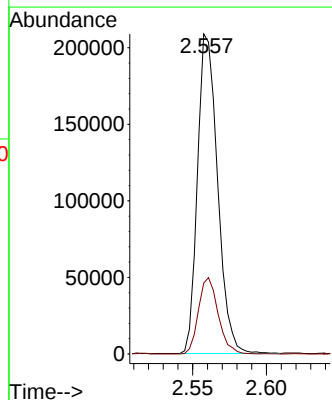
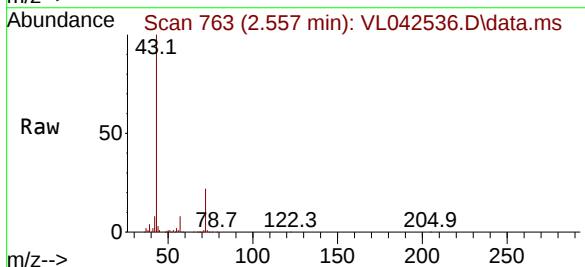
Acq: 14 May 2025 10:23

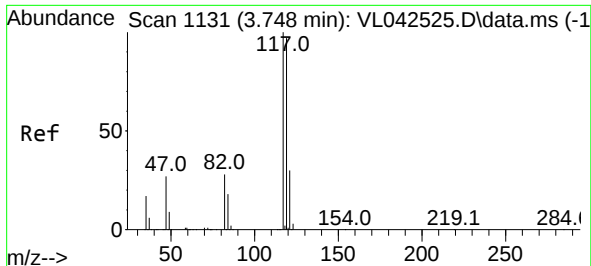
Tgt Ion: 43 Resp: 198101

Ion Ratio Lower Upper

43 100

72 23.5 18.7 28.1

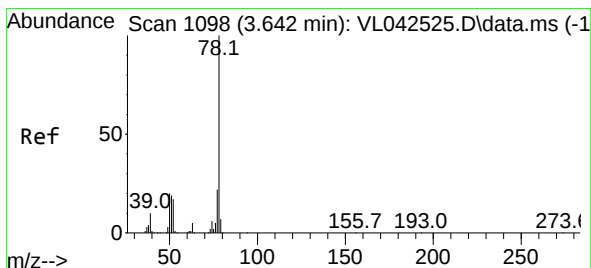
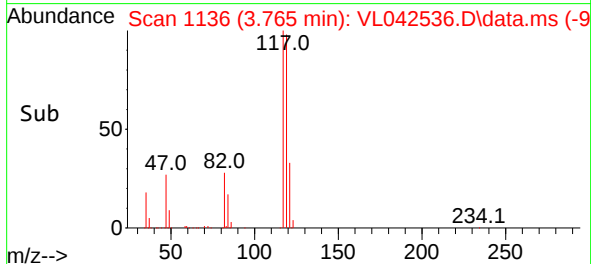
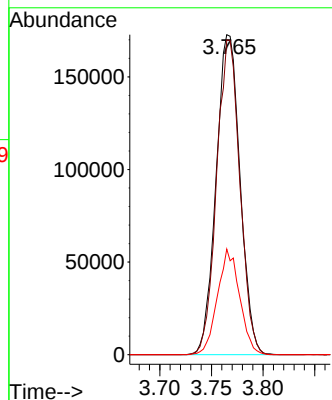
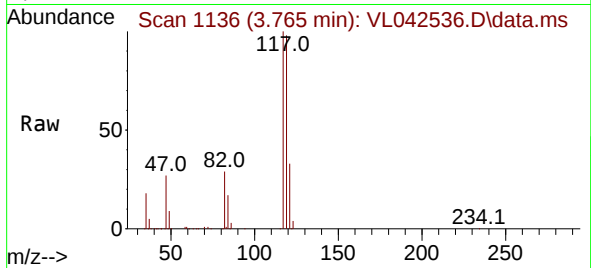




#35
Carbon Tetrachloride
Concen: 8.947 ppbv
RT: 3.765 min Scan# 1136
Delta R.T. 0.016 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

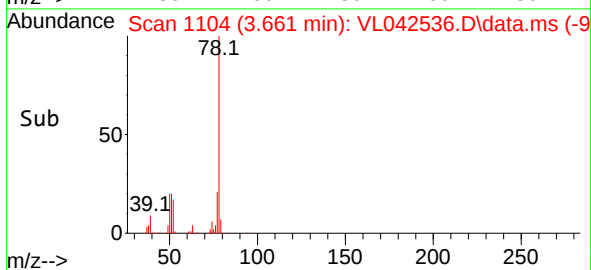
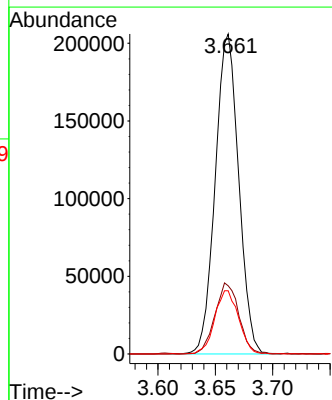
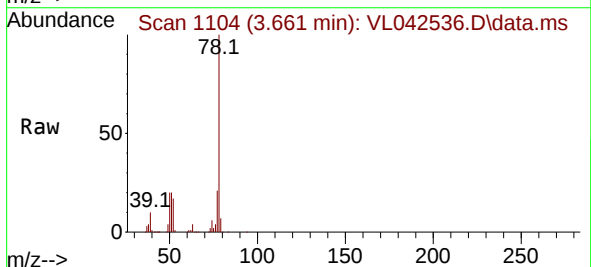
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

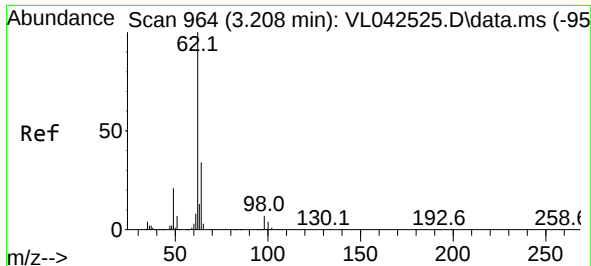
Tgt Ion:117 Resp: 279020
Ion Ratio Lower Upper
117 100
119 98.4 77.7 116.5
121 33.0 24.0 36.0



#36
Benzene
Concen: 9.521 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.020 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 78 Resp: 292705
Ion Ratio Lower Upper
78 100
77 21.3 17.4 26.2
50 19.7 16.3 24.5





#37

1,2-Dichloroethane

Concen: 8.885 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.013 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_1

ClientSampleId :

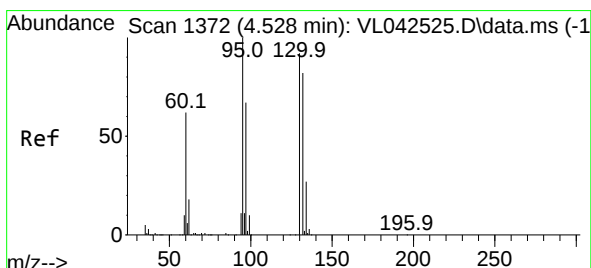
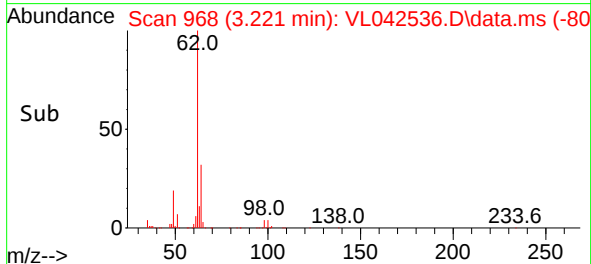
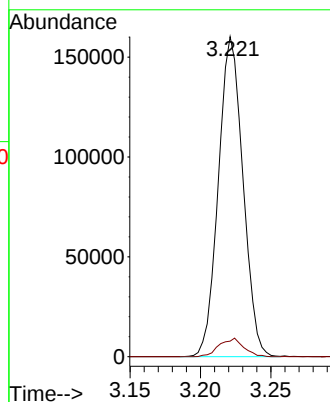
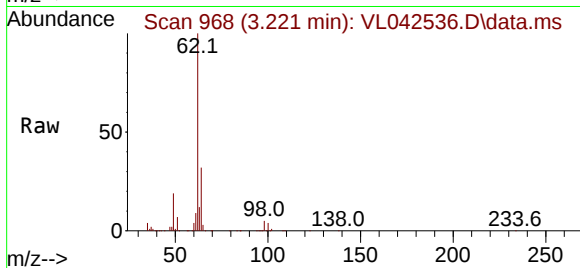
VSTDCCC010

Tgt Ion: 62 Resp: 194846

Ion Ratio Lower Upper

62 100

98 5.7 5.0 7.4



#38

Trichloroethene

Concen: 9.092 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.023 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Tgt Ion:130 Resp: 121523

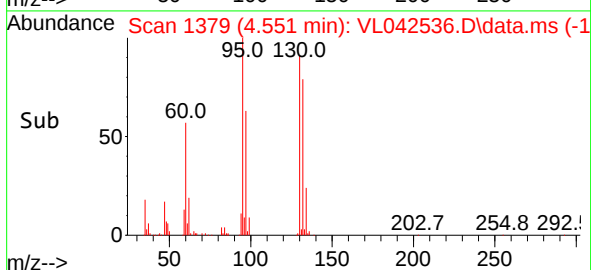
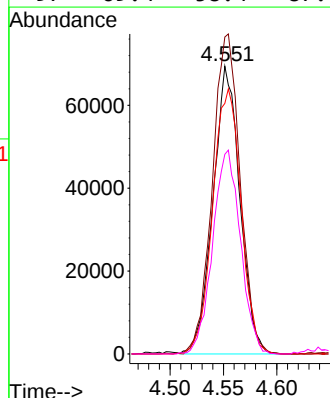
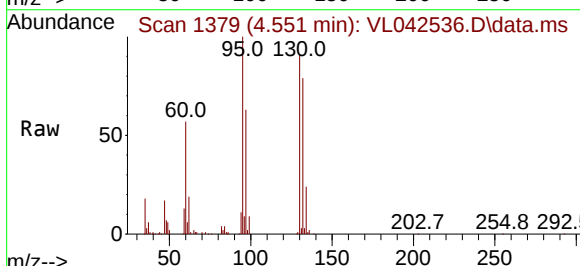
Ion Ratio Lower Upper

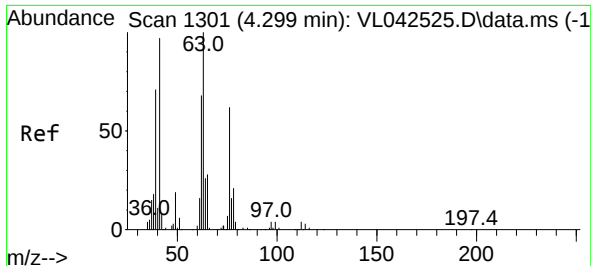
130 100

95 110.0 87.0 130.4

132 87.1 71.1 106.7

97 69.4 58.4 87.6





#39

1,2-Dichloropropane

Concen: 8.967 ppbv

RT: 4.318 min Scan# 1307

Delta R.T. 0.020 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

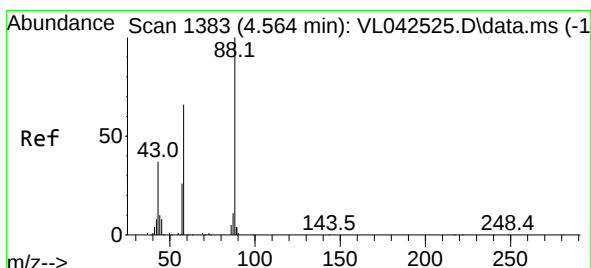
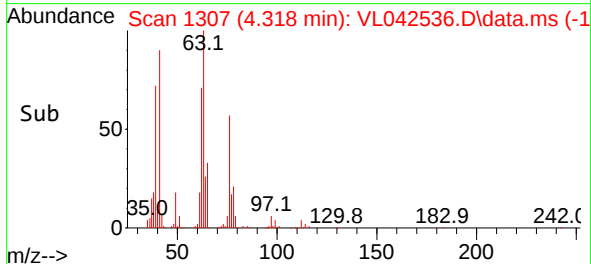
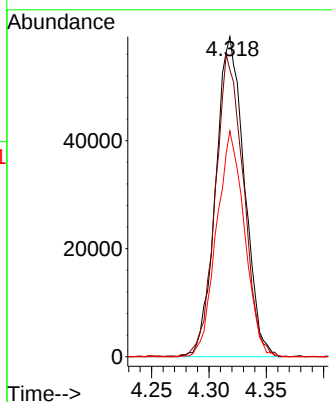
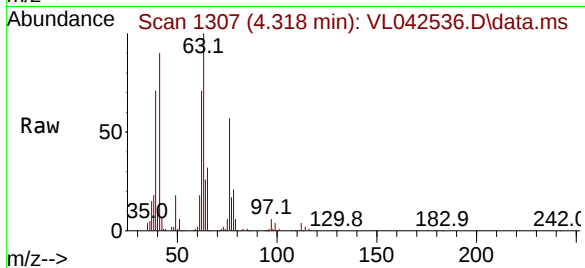
Tgt Ion: 63 Resp: 102683

Ion Ratio Lower Upper

63 100

41 89.5 77.5 116.3

62 70.5 54.6 82.0



#40

1,4-Dioxane

Concen: 9.810 ppbv

RT: 4.584 min Scan# 1389

Delta R.T. 0.020 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Tgt Ion: 88 Resp: 45600

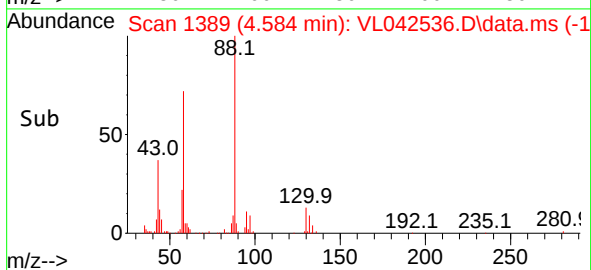
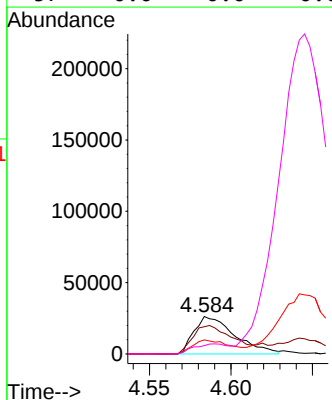
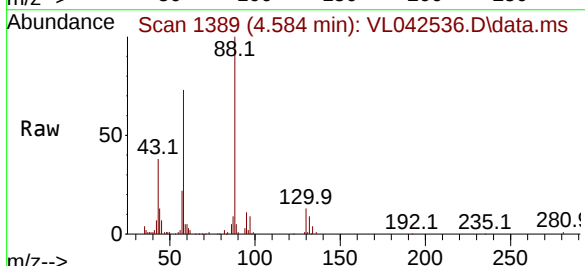
Ion Ratio Lower Upper

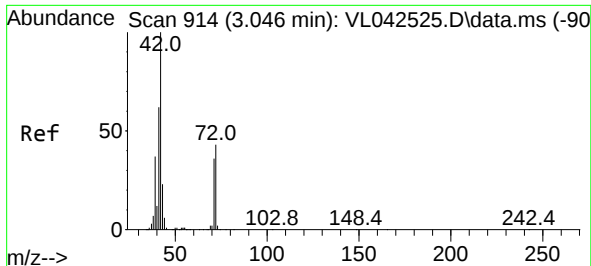
88 100

58 85.2 58.2 87.2

43 34.2 27.9 41.9

57 0.0 0.0 0.0

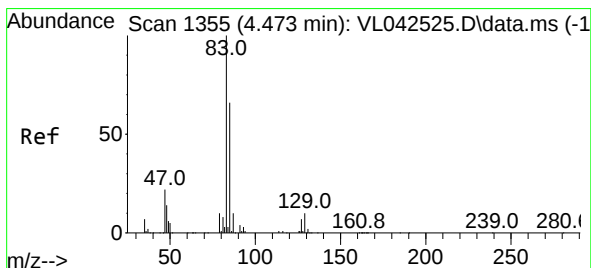
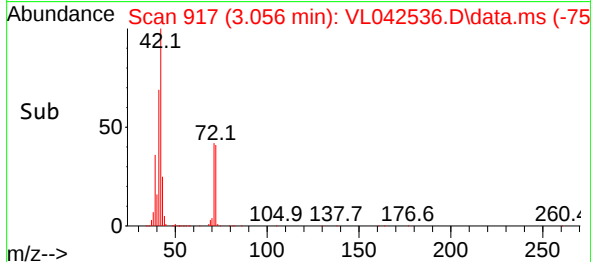
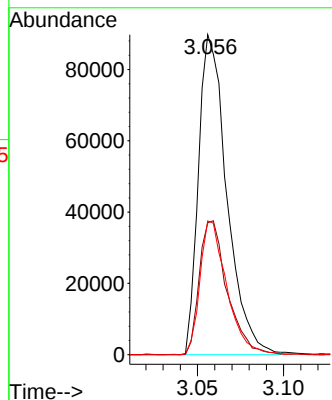
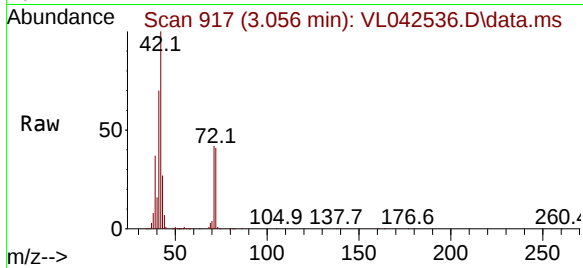




#41
Tetrahydrofuran
Concen: 10.412 ppbv
RT: 3.056 min Scan# 914
Delta R.T. 0.010 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

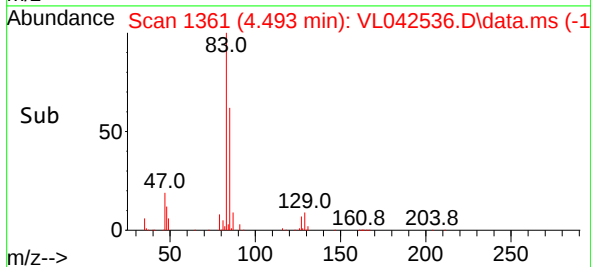
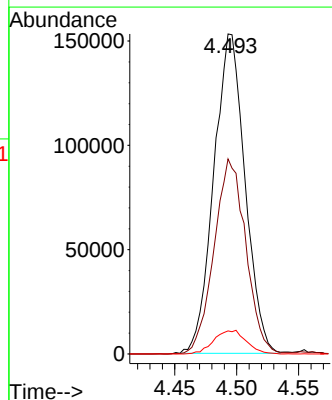
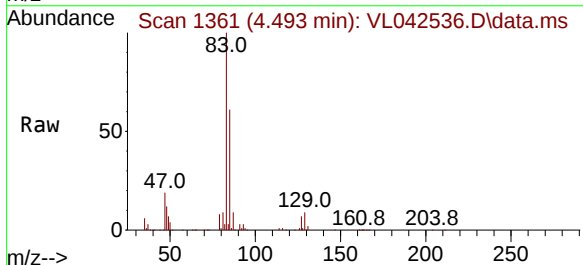
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

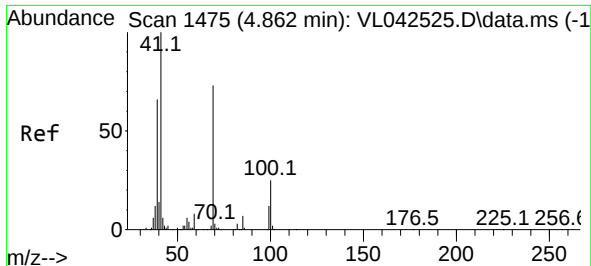
Tgt Ion: 42 Resp: 103053
Ion Ratio Lower Upper
42 100
72 41.0 32.7 49.1
71 39.6 30.4 45.6



#42
Bromodichloromethane
Concen: 9.183 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. 0.020 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 83 Resp: 268737
Ion Ratio Lower Upper
83 100
85 61.0 52.6 79.0
127 7.2 6.0 9.0

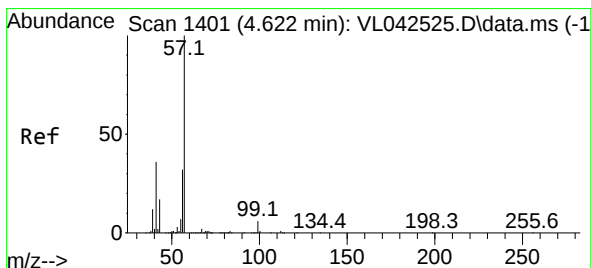
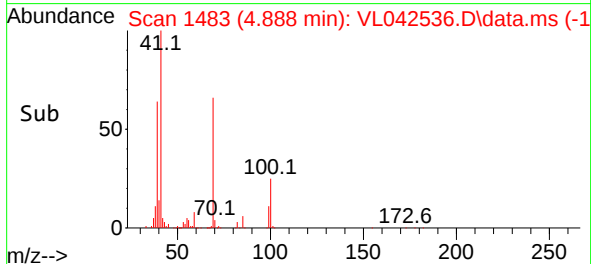
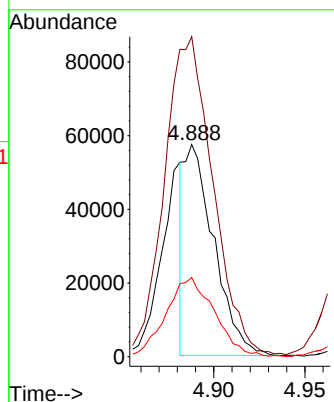
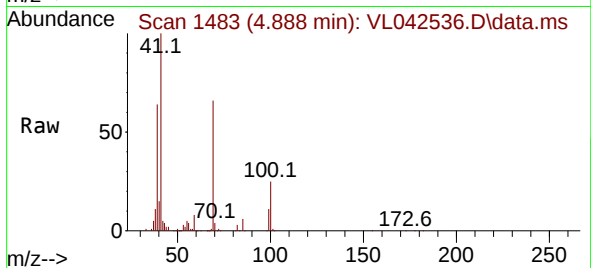




#43
Methyl Methacrylate
Concen: 6.265 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.026 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

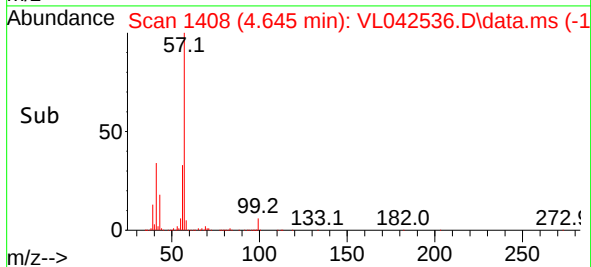
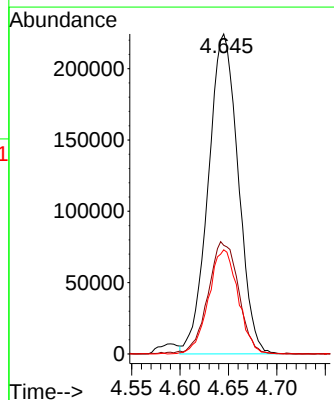
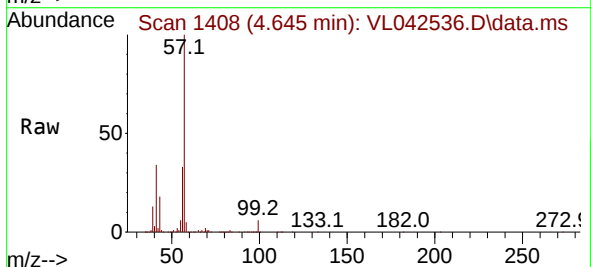
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

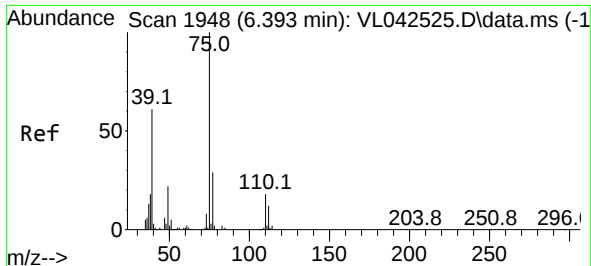
Tgt Ion: 69 Resp: 64497
Ion Ratio Lower Upper
69 100
41 250.9 119.9 179.9#
100 61.7 28.4 42.6#



#44
2,2,4-Trimethylpentane
Concen: 9.900 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.023 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 57 Resp: 482249
Ion Ratio Lower Upper
57 100
41 36.2 28.3 42.5
56 32.2 25.9 38.9

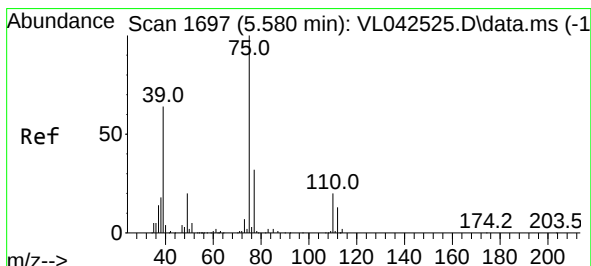
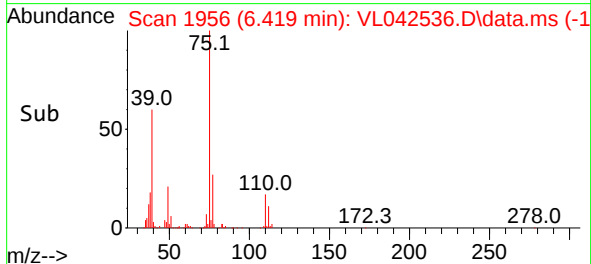
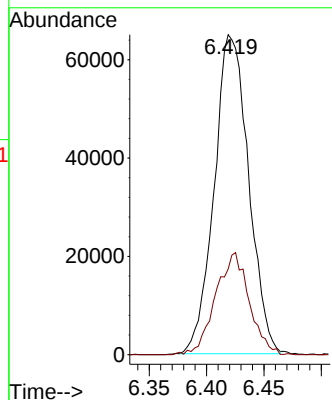
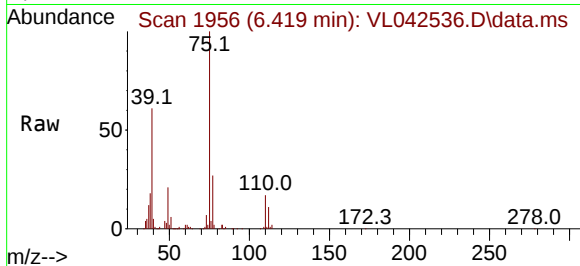




#45
t-1,3-Dichloropropene
Concen: 10.271 ppbv
RT: 6.419 min Scan# 1948
Delta R.T. 0.026 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

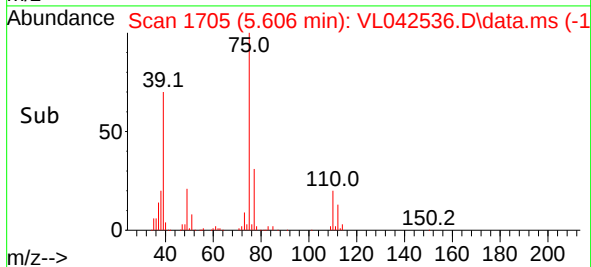
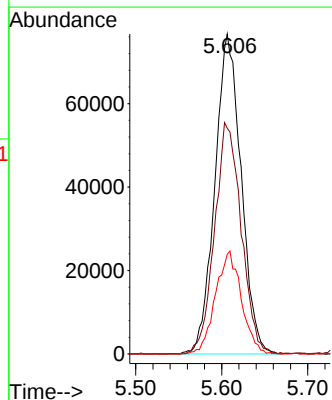
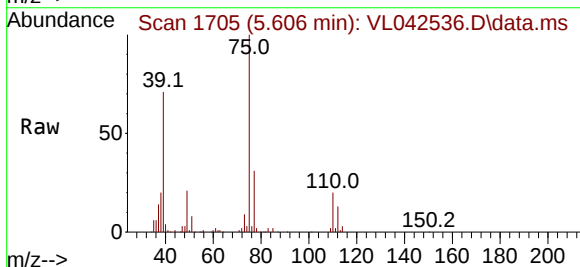
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

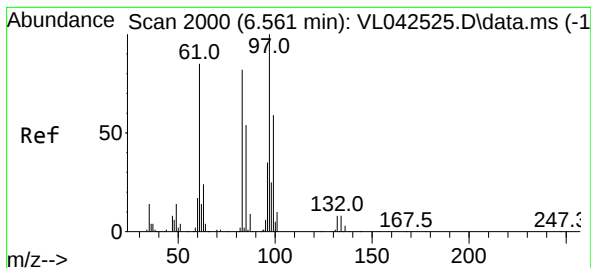
Tgt Ion: 75 Resp: 135101
Ion Ratio Lower Upper
75 100
77 26.8 23.3 34.9



#46
cis-1,3-Dichloropropene
Concen: 10.268 ppbv
RT: 5.606 min Scan# 1705
Delta R.T. 0.026 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 75 Resp: 162473
Ion Ratio Lower Upper
75 100
39 70.5 51.2 76.8
77 31.2 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 8.999 ppbv

RT: 6.587 min Scan# 2000

Delta R.T. 0.026 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 121339

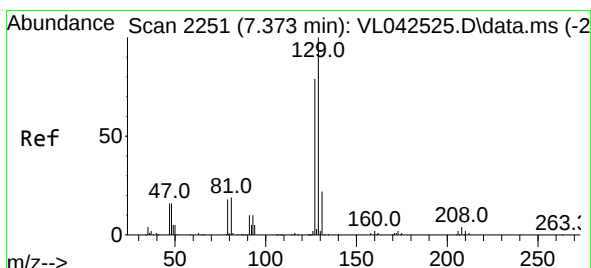
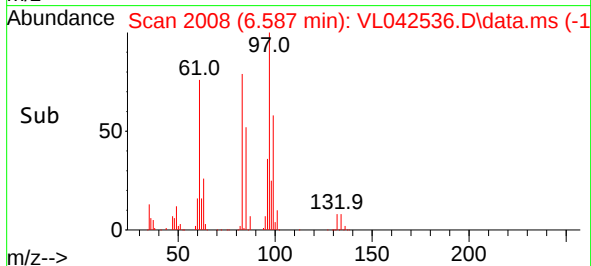
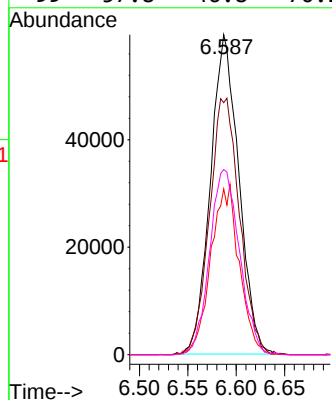
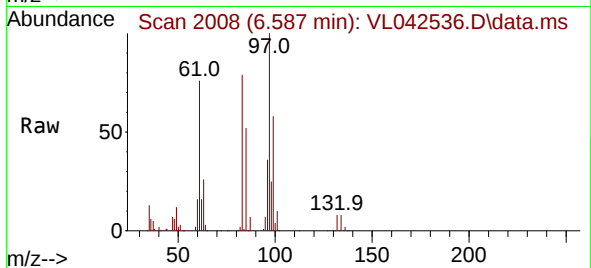
Ion Ratio Lower Upper

97 100

83 78.6 66.0 99.0

85 51.9 42.8 64.2

99 57.8 46.8 70.2



#48

Dibromochloromethane

Concen: 9.523 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.020 min

Lab File: VL042536.D

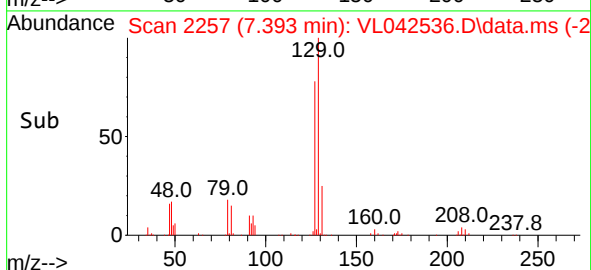
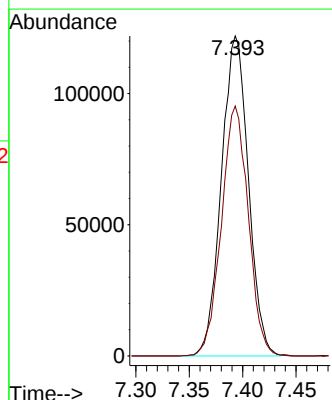
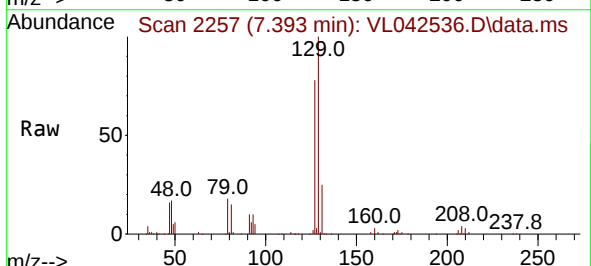
Acq: 14 May 2025 10:23

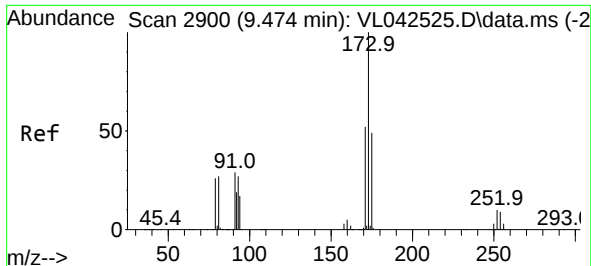
Tgt Ion: 129 Resp: 214390

Ion Ratio Lower Upper

129 100

127 77.8 39.6 118.8

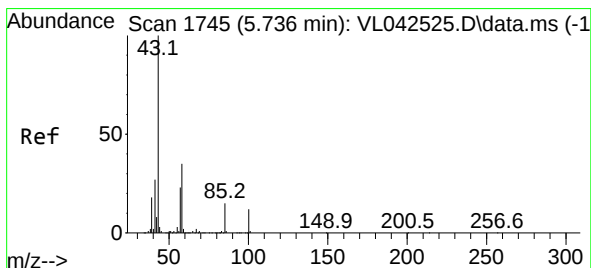
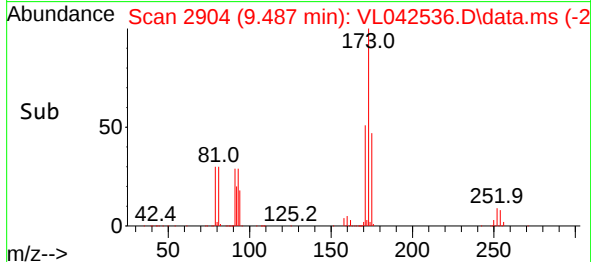
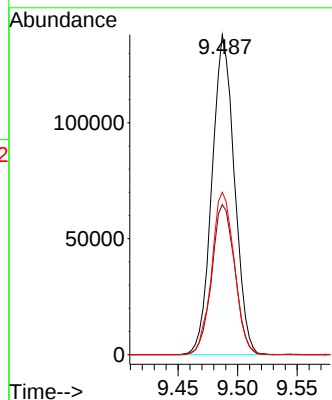
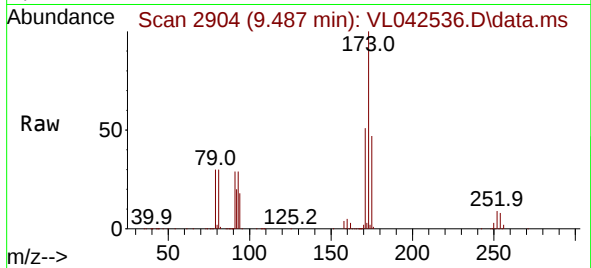




#49
Bromoform
Concen: 9.790 ppbv
RT: 9.487 min Scan# 2904
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

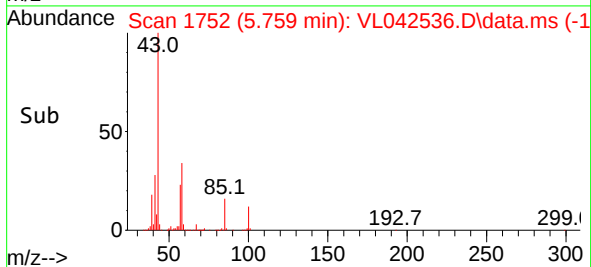
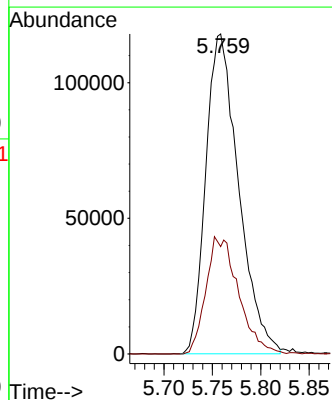
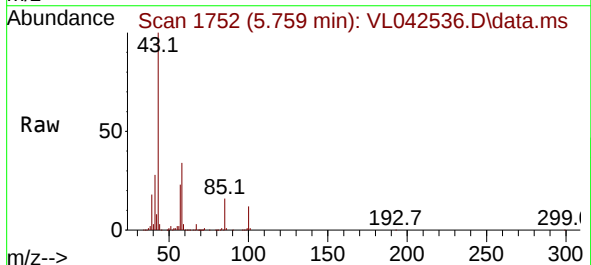
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

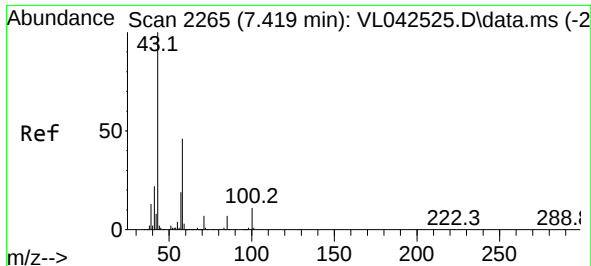
Tgt Ion:173 Resp: 180872
Ion Ratio Lower Upper
173 100
175 48.3 39.1 58.7
171 51.5 41.8 62.8



#50
4-Methyl-2-Pentanone
Concen: 10.326 ppbv
RT: 5.759 min Scan# 1752
Delta R.T. 0.023 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 43 Resp: 277297
Ion Ratio Lower Upper
43 100
58 36.5 28.6 42.8

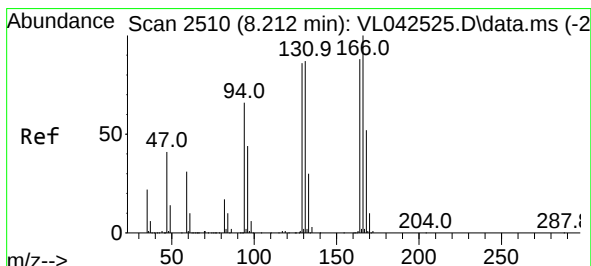
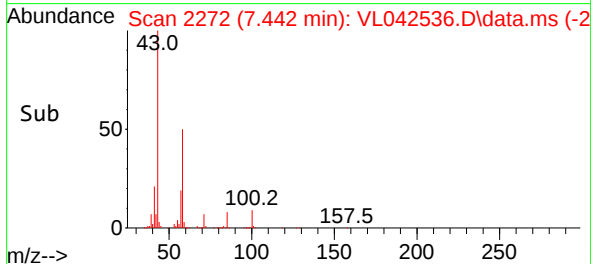
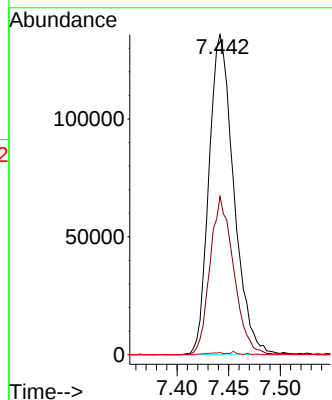
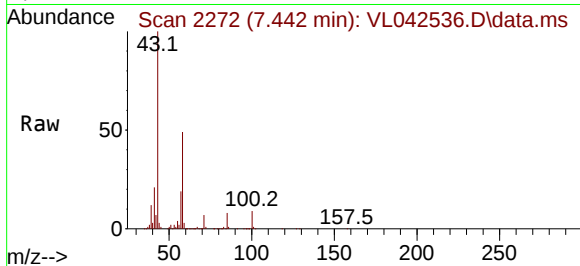




#51
2-Hexanone
Concen: 11.360 ppbv
RT: 7.442 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

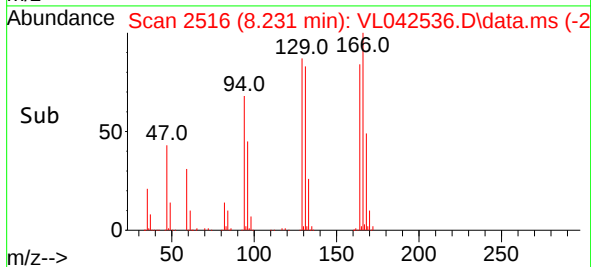
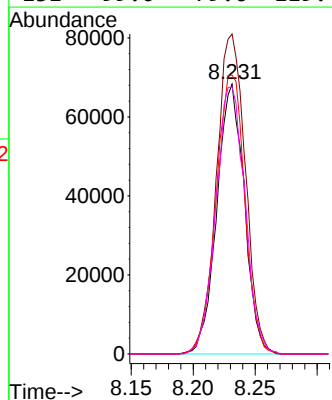
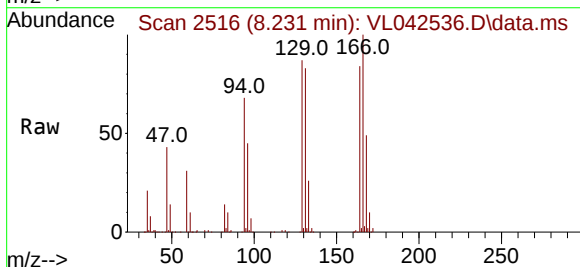
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

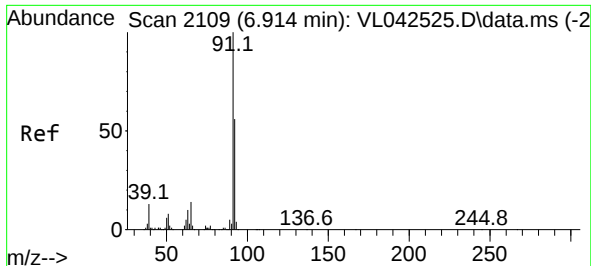
Tgt Ion: 43 Resp: 226925
Ion Ratio Lower Upper
43 100
58 47.4 37.5 56.3
98 0.8 0.9 1.3#



#52
Tetrachloroethene
Concen: 8.964 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.020 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 164 Resp: 105432
Ion Ratio Lower Upper
164 100
166 118.6 91.3 136.9
129 103.4 78.9 118.3
131 99.0 79.6 119.4

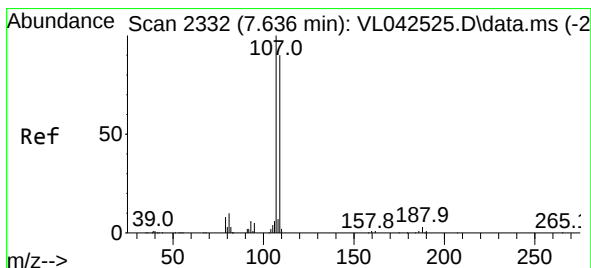
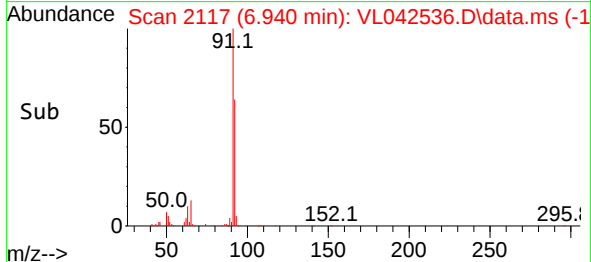
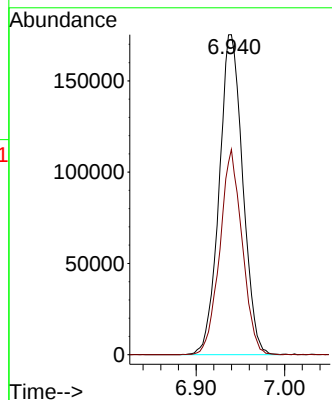
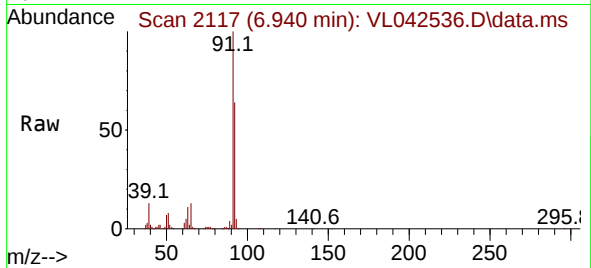




#53
Toluene
Concen: 10.761 ppbv
RT: 6.940 min Scan# 2109
Delta R.T. 0.026 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

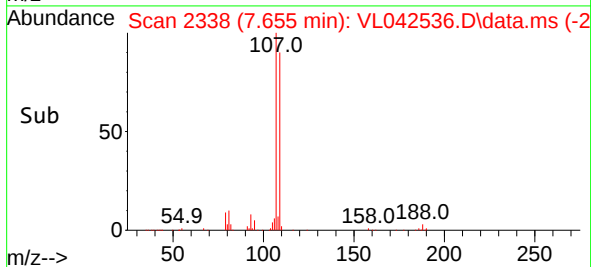
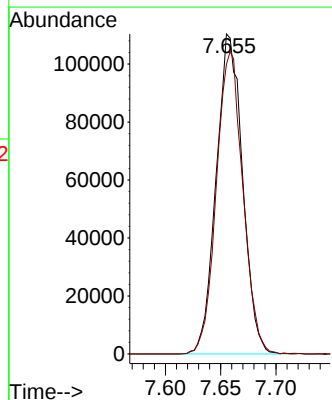
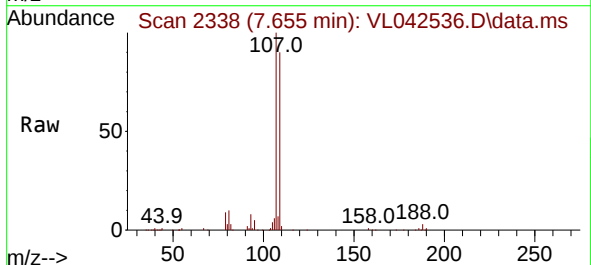
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

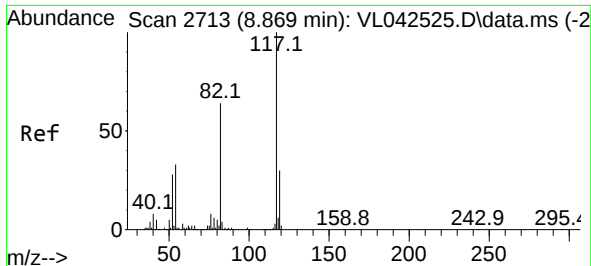
Tgt Ion: 91 Resp: 324628
Ion Ratio Lower Upper
91 100
92 60.7 47.8 71.6



#54
1,2-Dibromoethane
Concen: 9.275 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. 0.020 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 107 Resp: 182645
Ion Ratio Lower Upper
107 100
109 90.5 72.2 108.4

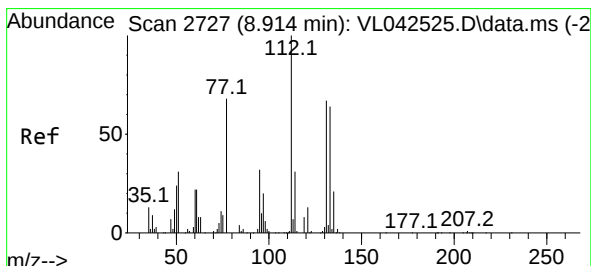
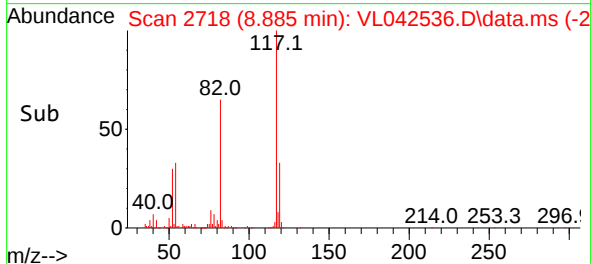
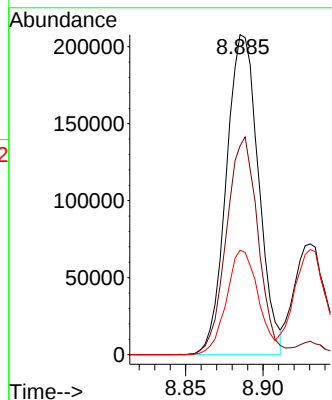
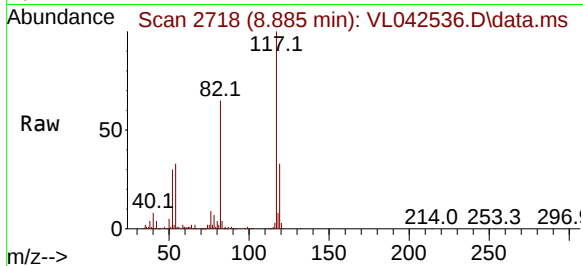




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

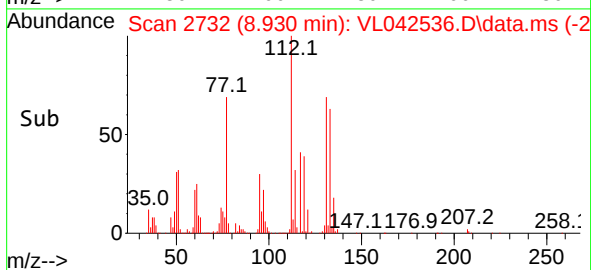
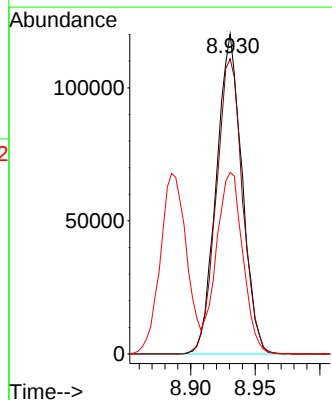
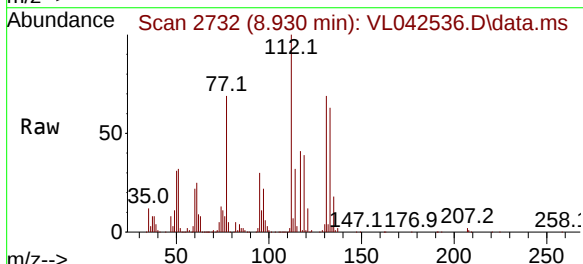
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

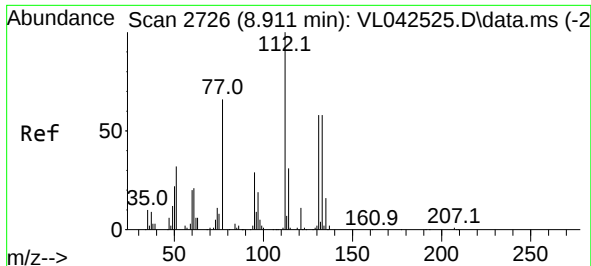
Tgt Ion:117 Resp: 301246
Ion Ratio Lower Upper
117 100
82 70.2 55.0 82.4
119 32.1 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 8.904 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. 0.016 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion:131 Resp: 166298
Ion Ratio Lower Upper
131 100
133 94.7 77.4 116.2
119 59.8 49.0 73.4

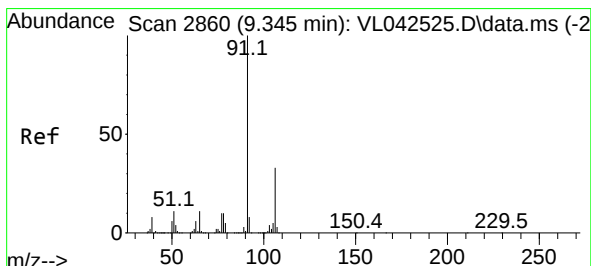
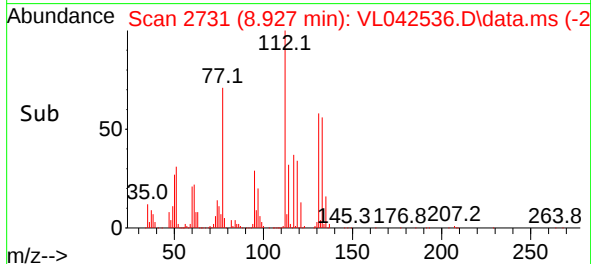
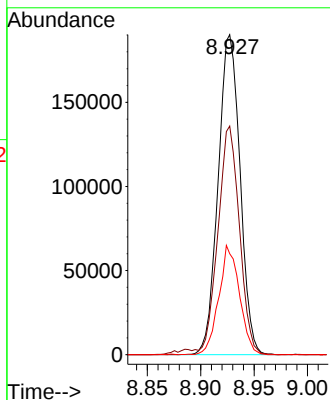
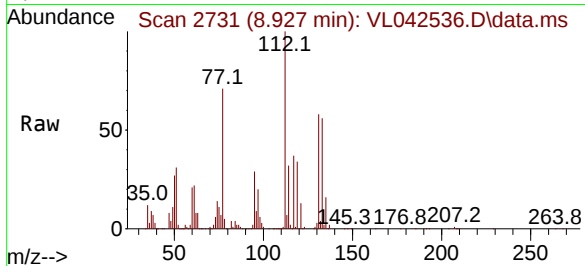




#57
Chlorobenzene
Concen: 8.989 ppbv
RT: 8.927 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

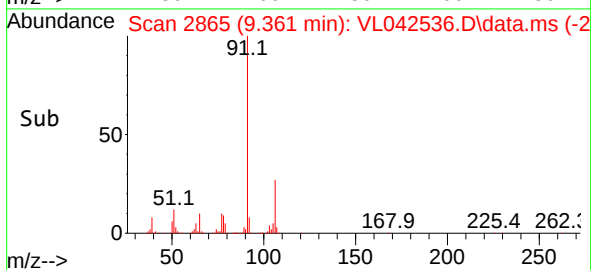
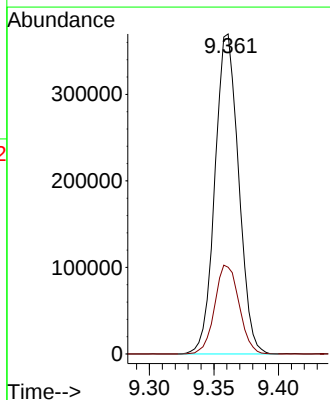
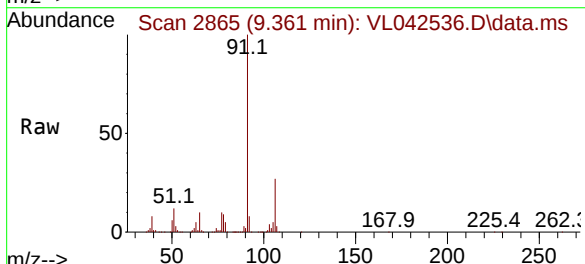
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

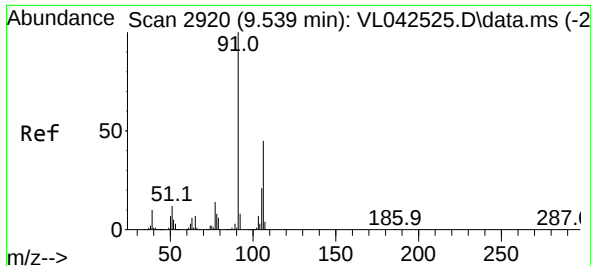
Tgt Ion:112 Resp: 271874
Ion Ratio Lower Upper
112 100
77 71.5 53.6 80.4
114 31.6 28.2 34.4



#58
Ethyl Benzene
Concen: 11.466 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.016 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 91 Resp: 470778
Ion Ratio Lower Upper
91 100
106 27.1 26.0 39.0





#59

m/p-Xylene

Concen: 10.864 ppbv

RT: 9.558 min Scan# 2920

Delta R.T. 0.020 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

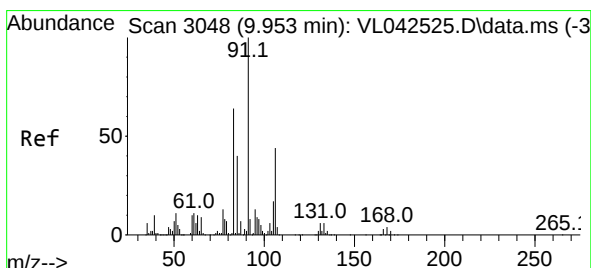
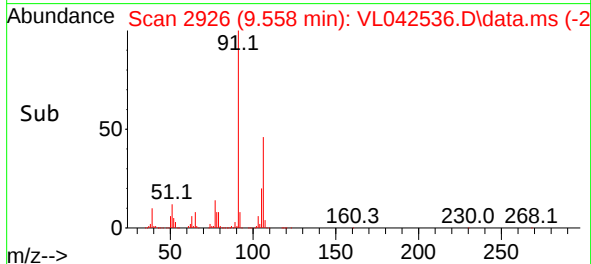
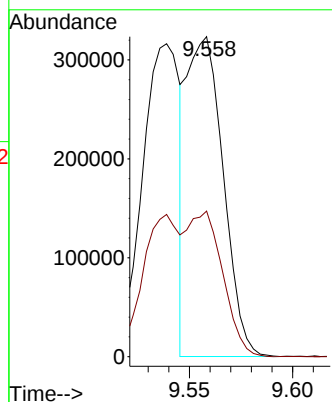
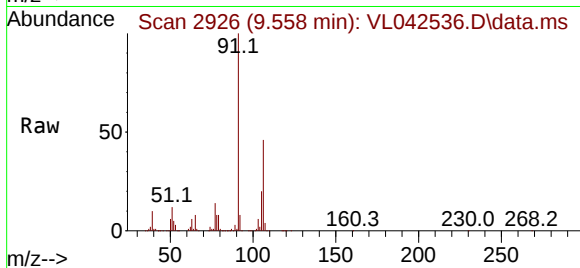
VSTDCCC010

Tgt Ion: 91 Resp: 396174

Ion Ratio Lower Upper

91 100

106 90.2 0.0 0.0#



#60

o-Xylene

Concen: 11.253 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.013 min

Lab File: VL042536.D

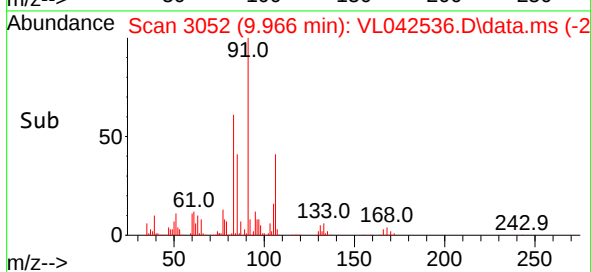
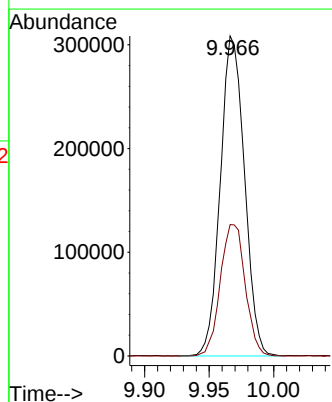
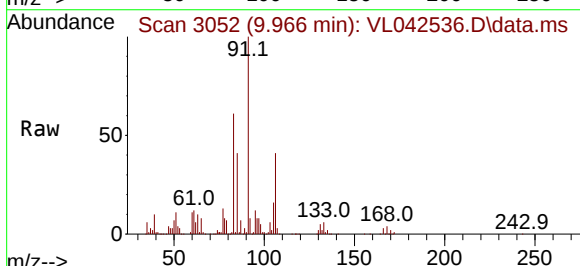
Acq: 14 May 2025 10:23

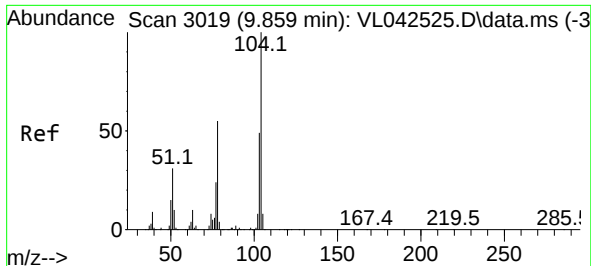
Tgt Ion: 91 Resp: 400752

Ion Ratio Lower Upper

91 100

106 42.4 21.6 64.6

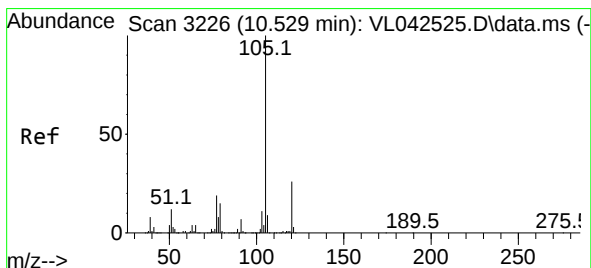
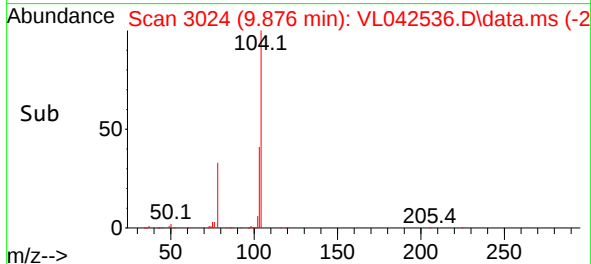
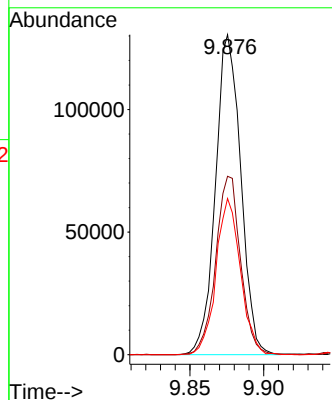
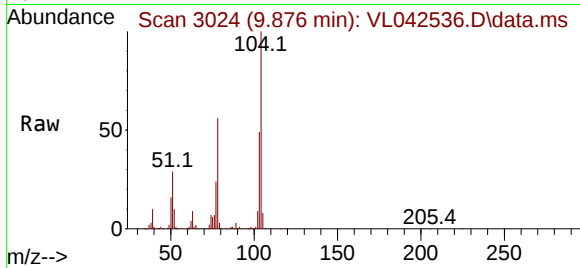




#61
Styrene
Concen: 11.809 ppbv
RT: 9.876 min Scan# 3019
Delta R.T. 0.016 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

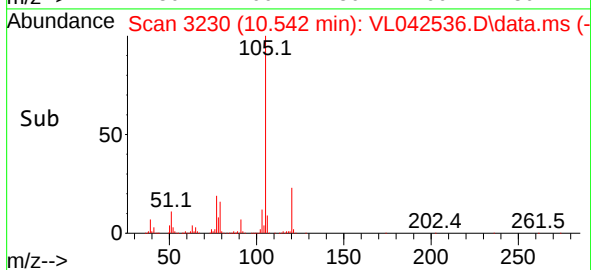
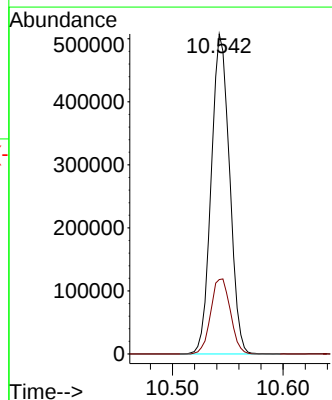
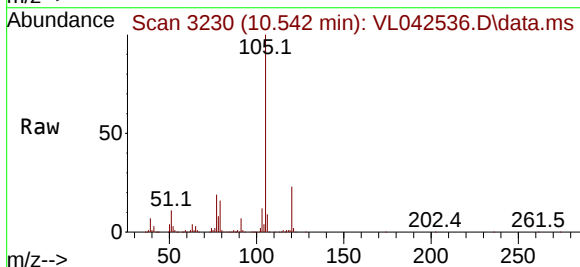
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

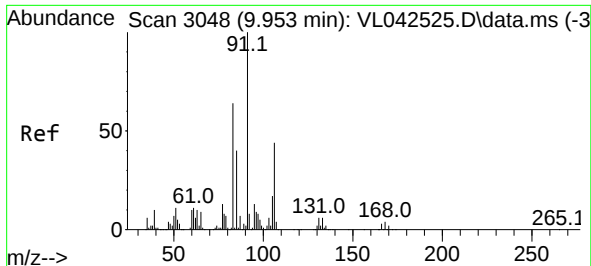
Tgt Ion:104 Resp: 155757
Ion Ratio Lower Upper
104 100
78 54.9 44.7 67.1
103 47.2 38.6 58.0



#62
Isopropylbenzene
Concen: 10.866 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion:105 Resp: 582836
Ion Ratio Lower Upper
105 100
120 25.2 20.1 30.1

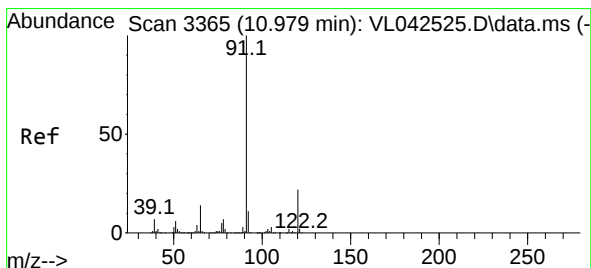
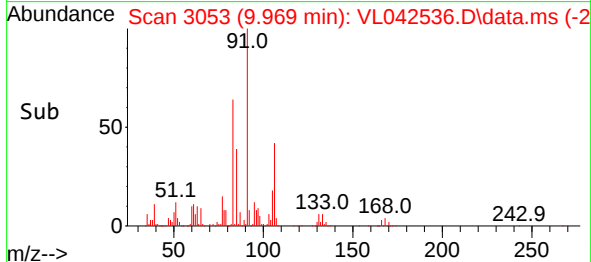
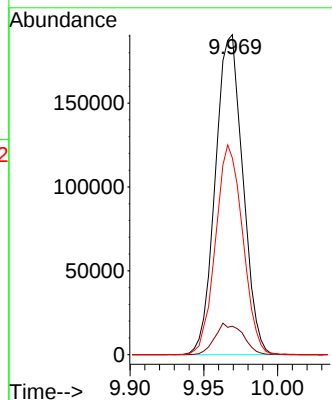
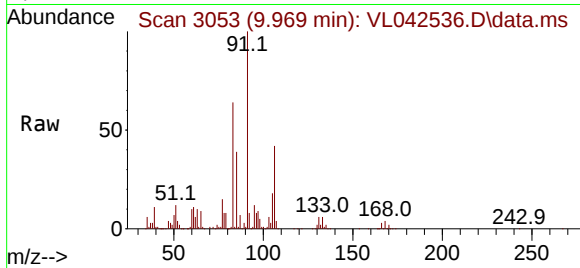




#63
1,1,2,2-Tetrachloroethane
Concen: 8.570 ppbv
RT: 9.969 min Scan# 3048
Delta R.T. 0.016 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

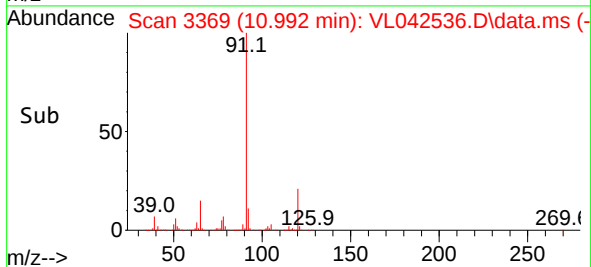
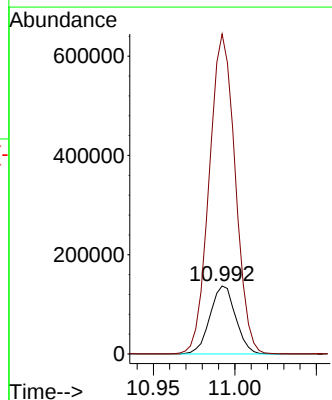
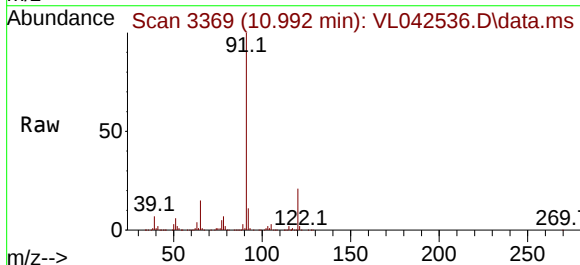
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

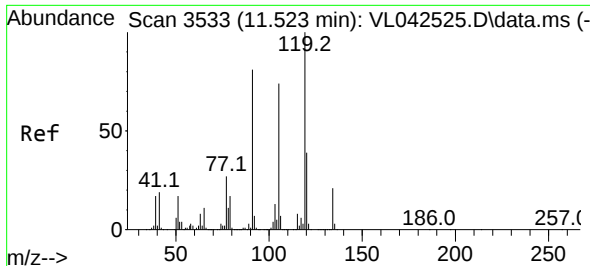
Tgt Ion: 83 Resp: 247714
Ion Ratio Lower Upper
83 100
131 10.0 4.9 14.7
85 64.8 32.3 96.8



#64
n-propylbenzene
Concen: 10.978 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 120 Resp: 149494
Ion Ratio Lower Upper
120 100
91 479.1 377.7 566.5

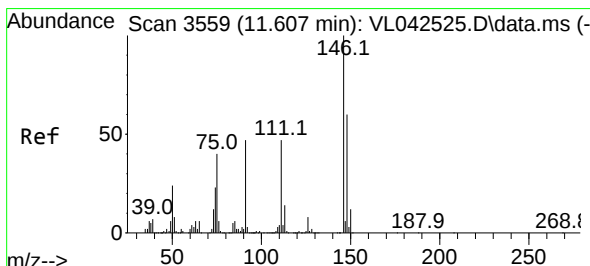
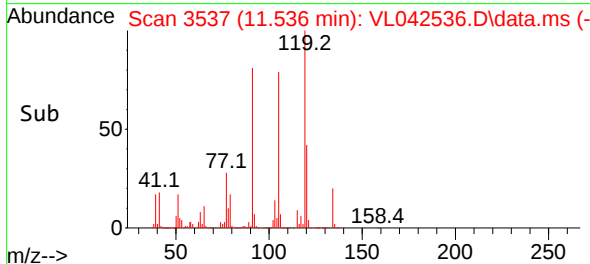
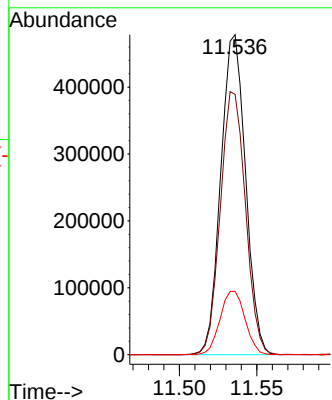
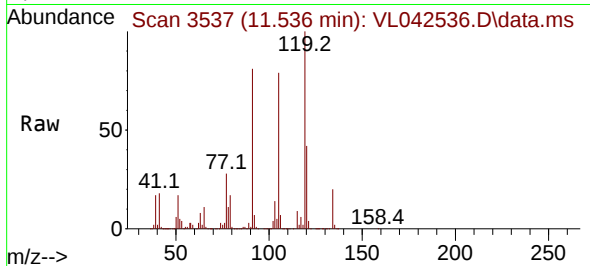




#65
tert-Butylbenzene
Concen: 10.790 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

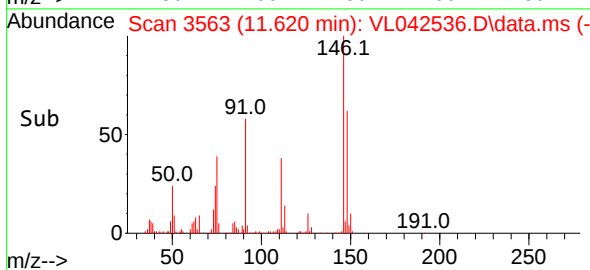
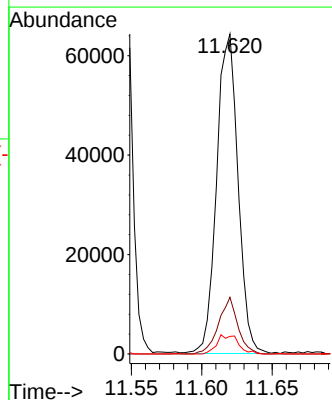
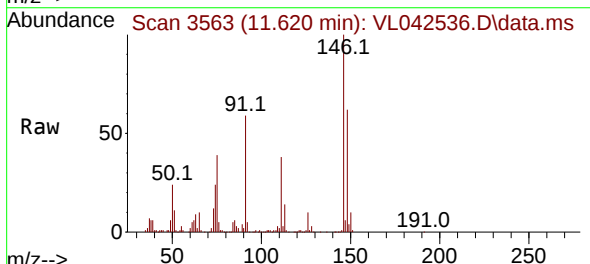
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

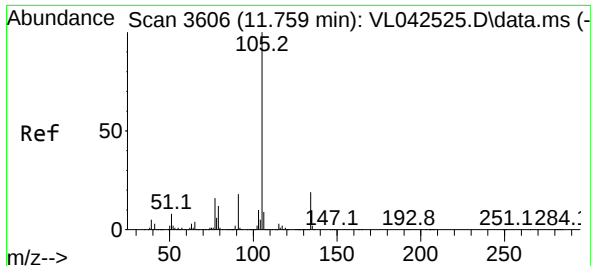
Tgt Ion:119 Resp: 531415
Ion Ratio Lower Upper
119 100
91 83.5 66.6 99.8
134 20.0 16.3 24.5



#66
Benzyl Chloride
Concen: 10.391 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 91 Resp: 68005
Ion Ratio Lower Upper
91 100
126 16.0 13.7 20.5
128 6.1 4.2 6.2

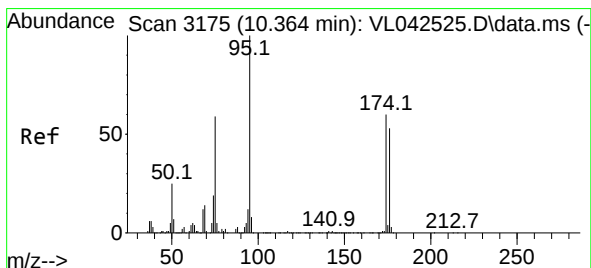
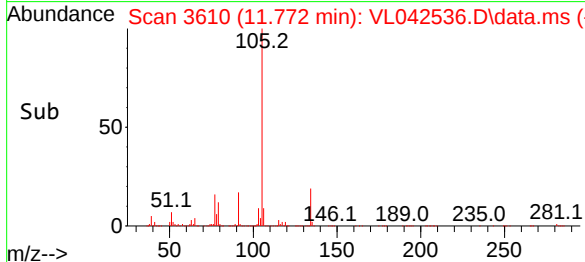
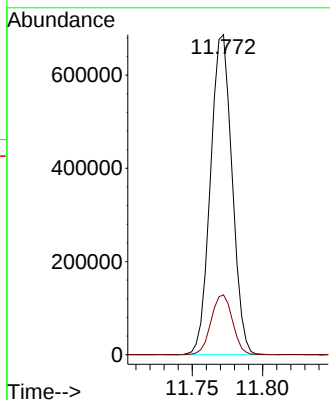
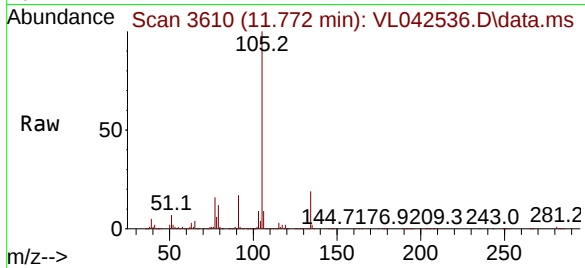




#67
 sec-Butylbenzene
 Concen: 10.390 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.013 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

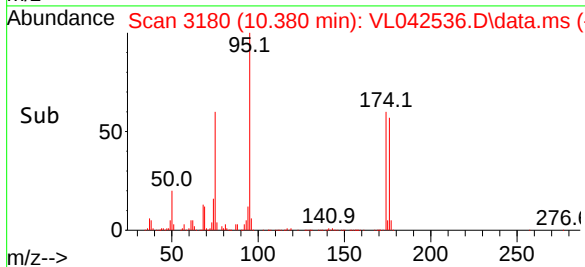
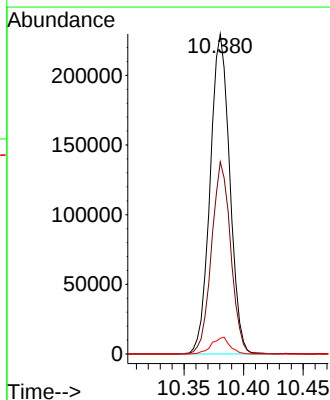
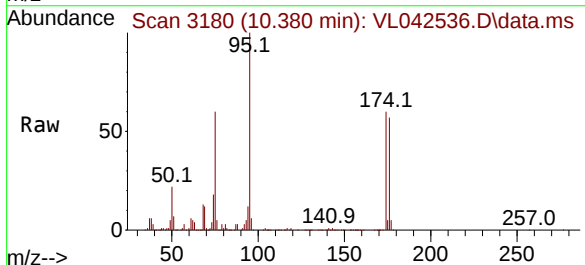
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

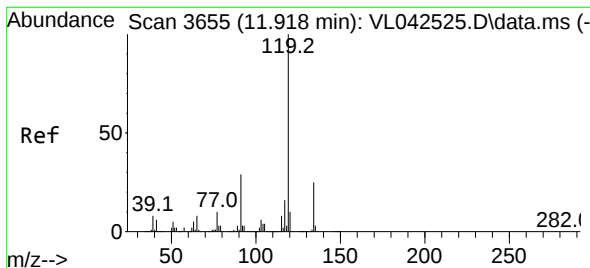
Tgt Ion:105 Resp: 733701
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.012 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.016 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

Tgt Ion: 95 Resp: 262420
 Ion Ratio Lower Upper
 95 100
 174 58.9 48.0 72.0
 175 4.9 3.5 5.3





#69

p-Isopropyltoluene

Concen: 11.049 ppbv

RT: 11.928 min Scan# 3658

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

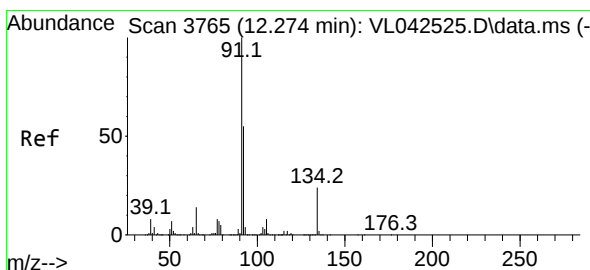
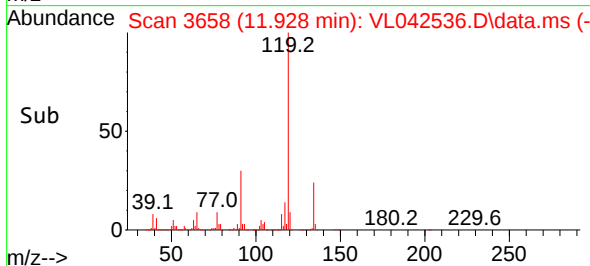
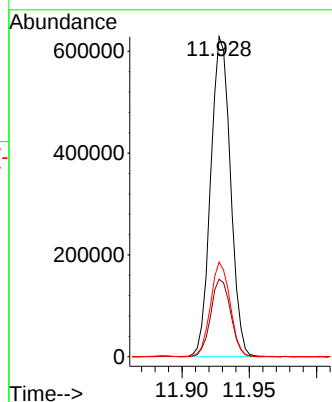
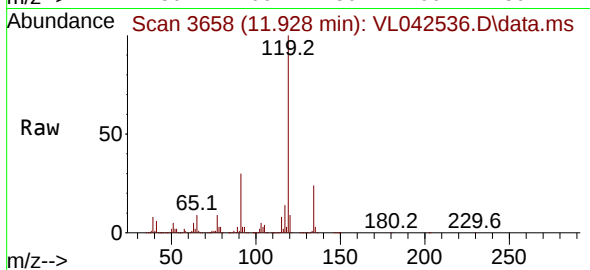
Tgt Ion:119 Resp: 641428

Ion Ratio Lower Upper

119 100

134 24.5 19.8 29.6

91 29.4 23.6 35.4



#70

n-Butylbenzene

Concen: 11.113 ppbv

RT: 12.284 min Scan# 3768

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

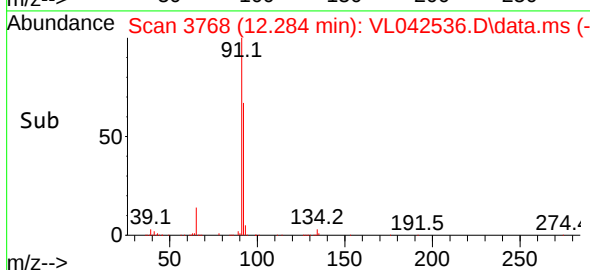
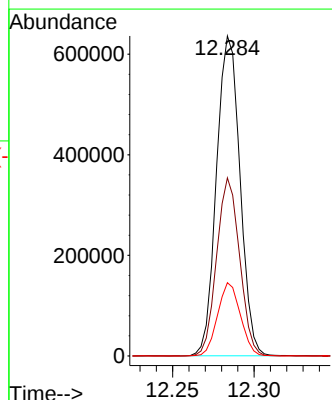
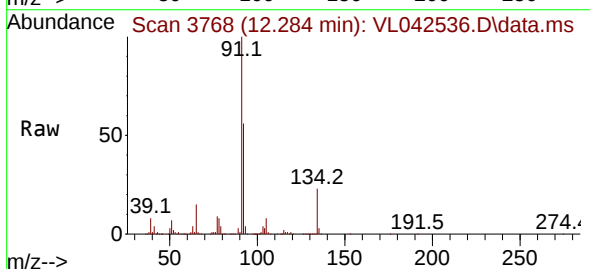
Tgt Ion: 91 Resp: 637479

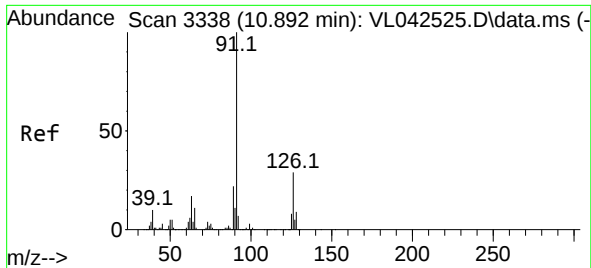
Ion Ratio Lower Upper

91 100

92 54.4 43.7 65.5

134 22.3 18.9 28.3

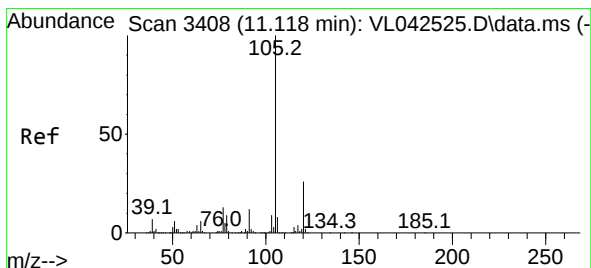
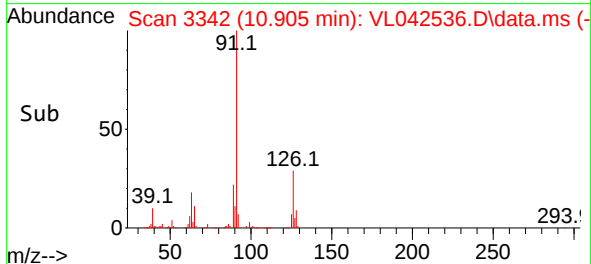
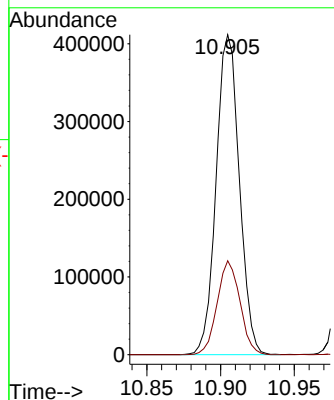
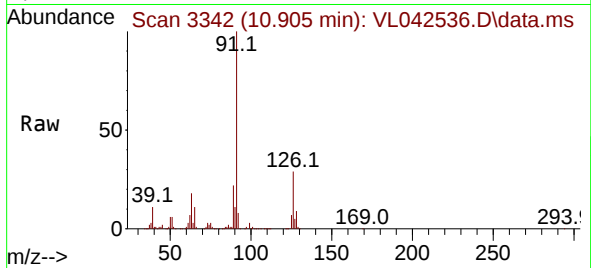




#71
2-Chlorotoluene
Concen: 11.075 ppbv
RT: 10.905 min Scan# 3111
Delta R.T. 0.013 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

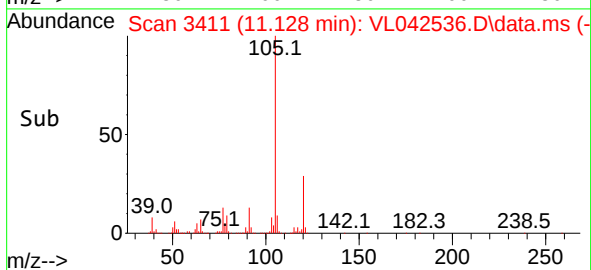
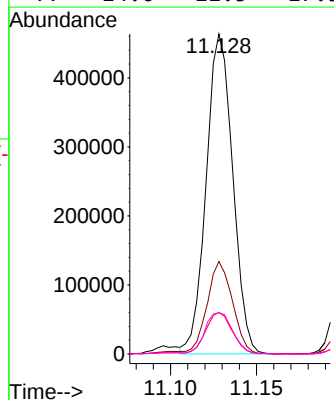
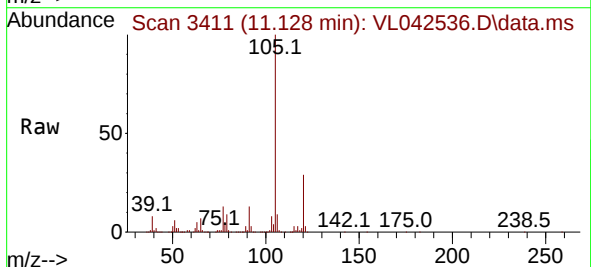
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

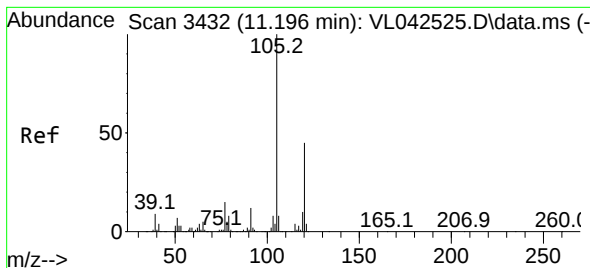
Tgt Ion: 91 Resp: 449790
Ion Ratio Lower Upper
91 100
126 28.8 11.4 45.6



#72
4-Ethyltoluene
Concen: 11.252 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.010 min
Lab File: VL042536.D
Acq: 14 May 2025 10:23

Tgt Ion: 105 Resp: 497072
Ion Ratio Lower Upper
105 100
120 28.5 22.9 34.3
91 13.4 10.9 16.3
77 14.0 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 10.849 ppbv

RT: 11.206 min Scan# 3432

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

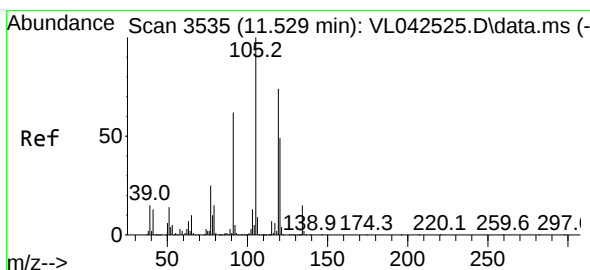
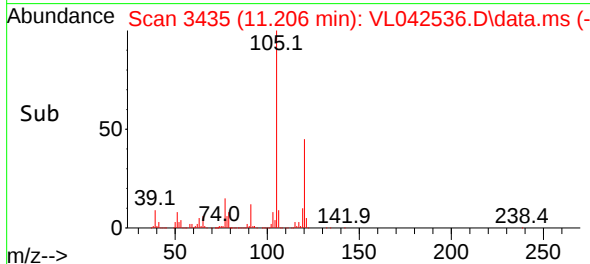
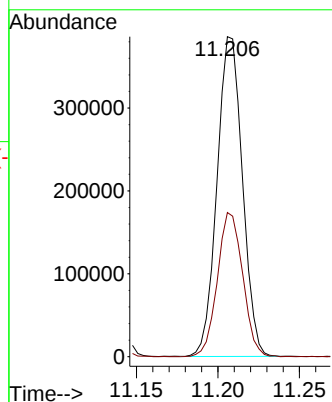
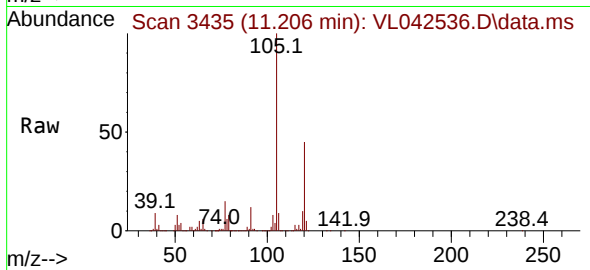
VSTDCCC010

Tgt Ion:105 Resp: 417484

Ion Ratio Lower Upper

105 100

120 45.1 36.0 54.0



#74

1,2,4-Trimethylbenzene

Concen: 10.016 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Tgt Ion:105 Resp: 474163

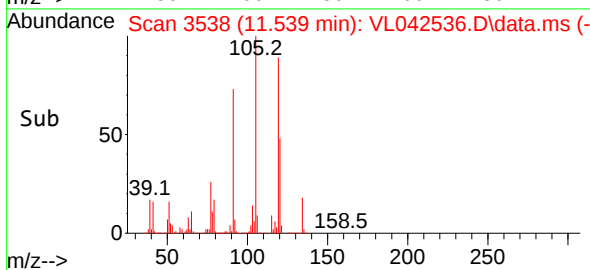
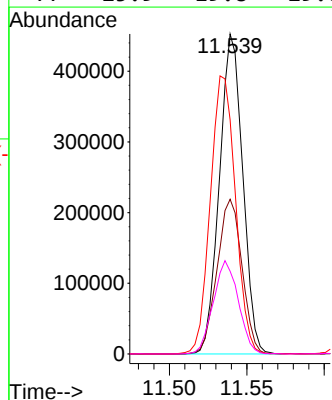
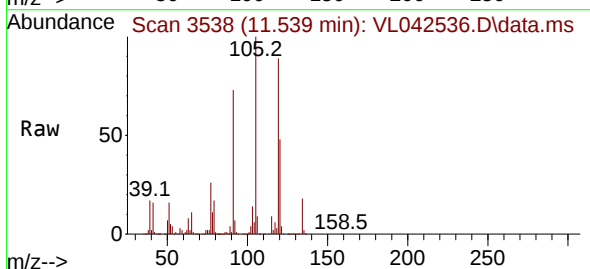
Ion Ratio Lower Upper

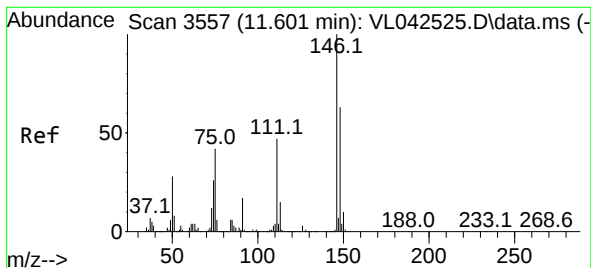
105 100

120 48.4 39.0 58.6

91 73.1 49.4 74.2

77 25.9 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 9.464 ppbv

RT: 11.610 min Scan# 3557

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

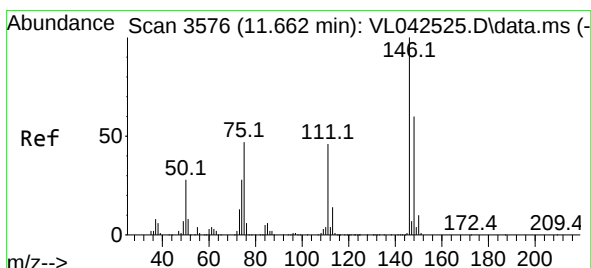
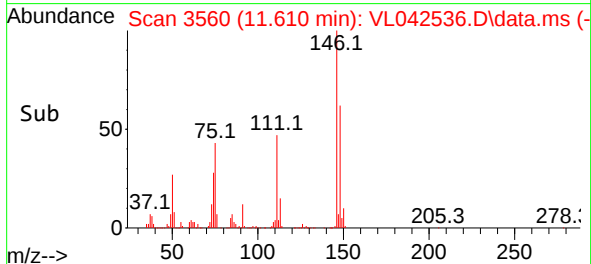
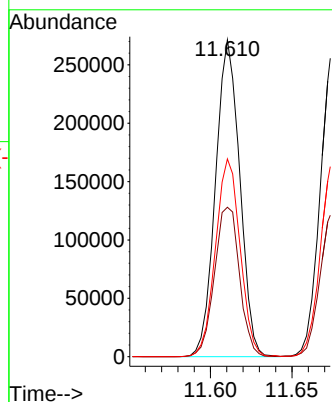
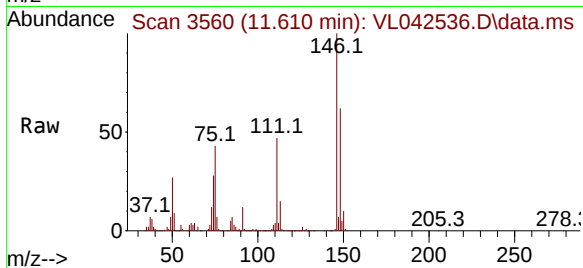
Tgt Ion:146 Resp: 280626

Ion Ratio Lower Upper

146 100

111 48.9 23.6 71.0

148 63.2 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 9.958 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.013 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

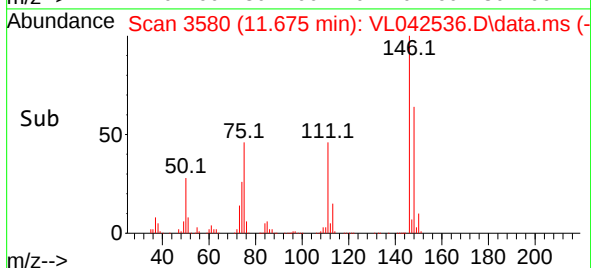
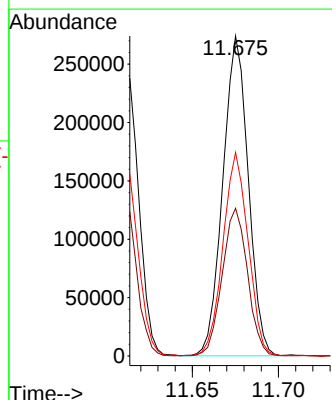
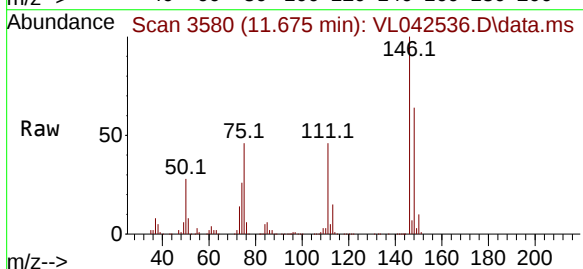
Tgt Ion:146 Resp: 280915

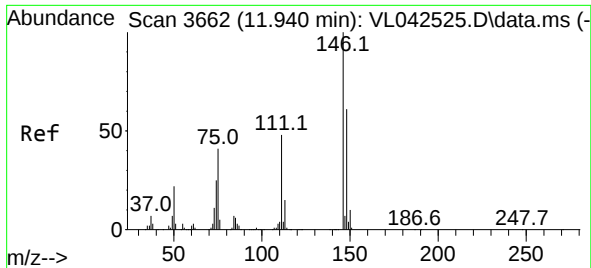
Ion Ratio Lower Upper

146 100

111 46.4 23.4 70.3

148 63.2 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 8.908 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

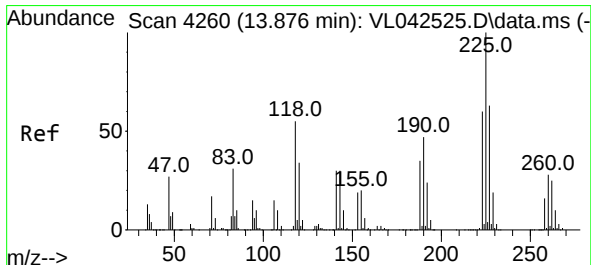
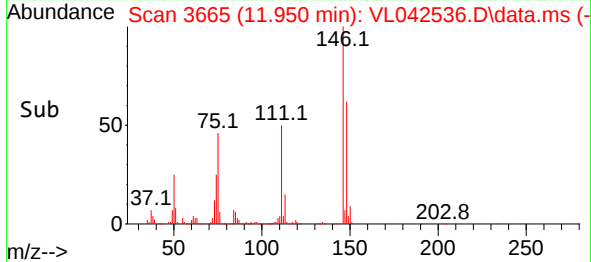
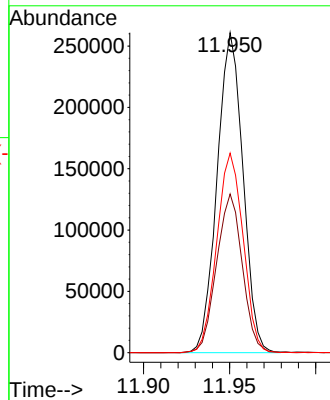
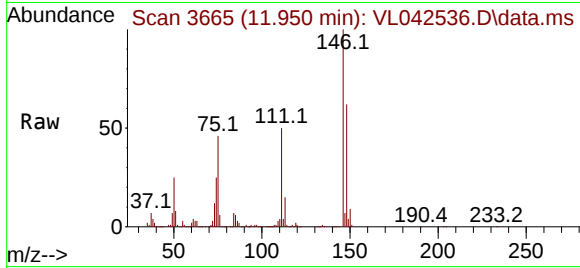
Tgt Ion:146 Resp: 272842

Ion Ratio Lower Upper

146 100

111 49.4 24.9 74.8

148 63.5 31.4 94.2



#78

Hexachloro-1,3-Butadiene

Concen: 8.588 ppbv

RT: 13.886 min Scan# 4263

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

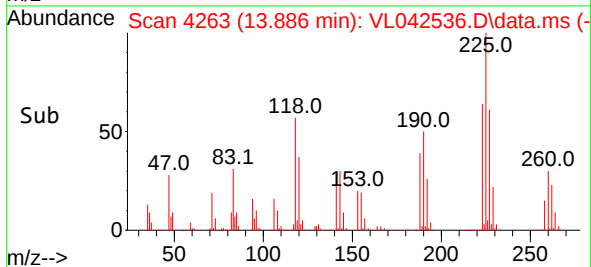
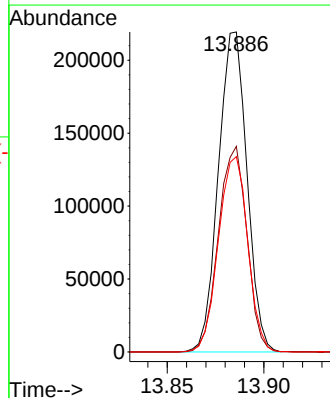
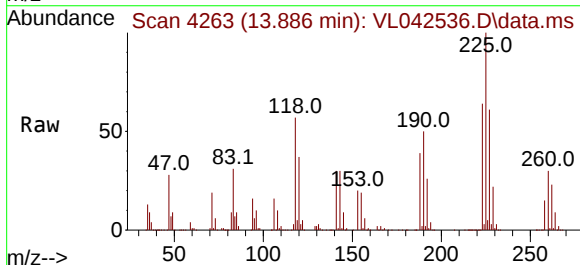
Tgt Ion:225 Resp: 225532

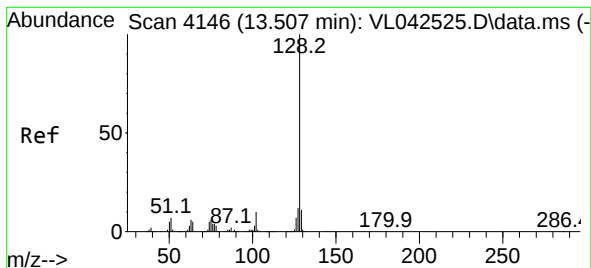
Ion Ratio Lower Upper

225 100

223 64.0 50.8 76.2

227 62.5 50.5 75.7





#79

Naphthalene

Concen: 13.459 ppbv

RT: 13.517 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

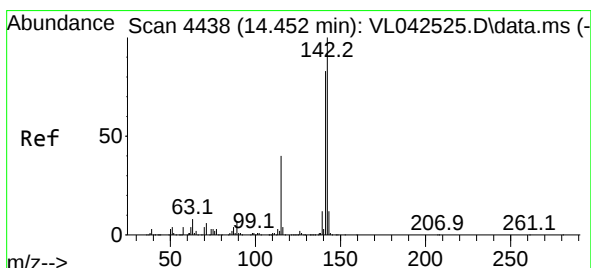
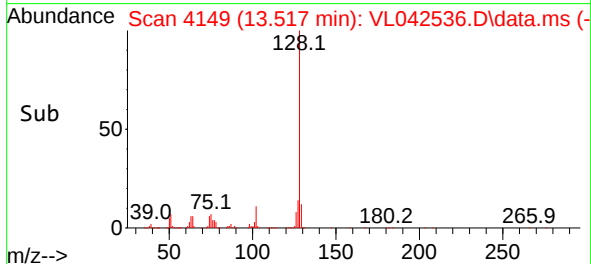
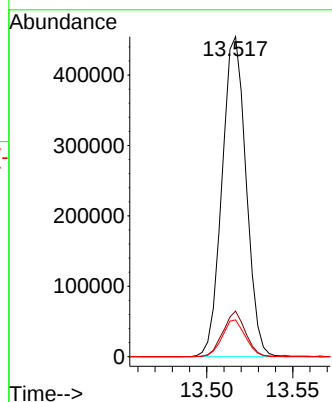
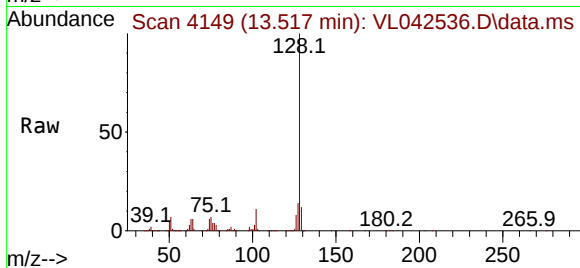
Tgt Ion:128 Resp: 441576

Ion Ratio Lower Upper

128 100

127 14.2 9.8 14.8

129 11.5 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 14.525 ppbv

RT: 14.459 min Scan# 4440

Delta R.T. 0.007 min

Lab File: VL042536.D

Acq: 14 May 2025 10:23

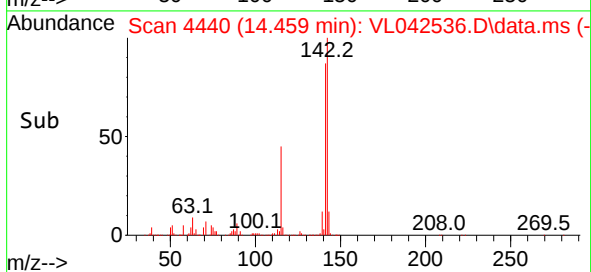
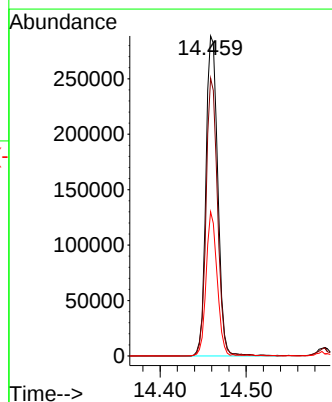
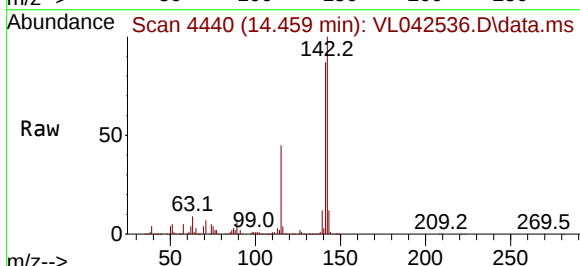
Tgt Ion:142 Resp: 275041

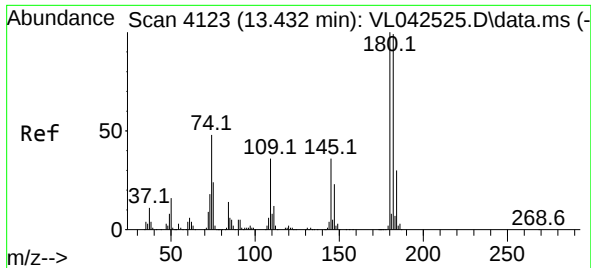
Ion Ratio Lower Upper

142 100

141 84.4 66.8 100.2

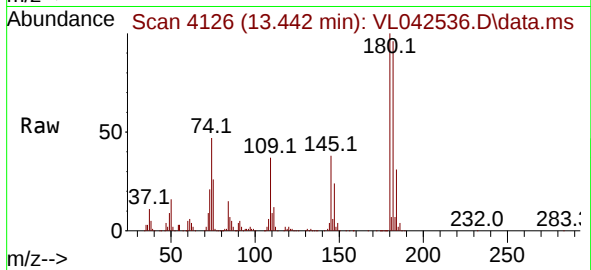
115 42.5 33.0 49.6





#81
 1,2,4-Trichlorobenzene
 Concen: 11.385 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL042536.D
 Acq: 14 May 2025 10:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010



Tgt Ion:180 Resp: 227198

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
184	29.5	24.6	36.8

