

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040425\
 Data File : VL042215.D
 Acq On : 04 Apr 2025 08:58
 Operator : SY/MD
 Sample : VSTDCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 05 01:58:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	187369	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	519347	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	464975	10.000	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	383840	10.052	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	263276	9.517	ppbv	99
3) Chlorodifluoromethane	1.476	51	264623	9.363	ppbv	96
4) Chloromethane	1.534	50	104117	9.209	ppbv	96
5) Vinyl Chloride	1.580	62	98352	8.209	ppbv	97
6) Bromomethane	1.667	94	44500	8.685	ppbv	97
7) Chloroethane	1.706	64	39804	8.771	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	227648	9.663	ppbv	93
9) Propene	1.486	41	101955	7.871	ppbv	99
10) Heptane	4.988	43	290775	8.439	ppbv	99
11) Trichlorofluoromethane	1.877	101	256266	9.520	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.140	101	195280	8.826	ppbv	97
13) Ethanol	1.722	45	5295	4.324	ppbv	99
14) Bromoethene	1.783	108	72355	8.536	ppbv	98
15) Acetone	1.835	43	219621	8.381	ppbv	96
16) 1,3-Butadiene	1.609	39	106868	8.351	ppbv	98
17) tert-Butyl alcohol	2.042	59	264585	8.107	ppbv	100
18) 1,1-Dichloroethene	2.036	96	87932	8.501	ppbv	95
19) Isopropyl Alcohol	1.887	45	123909	8.381	ppbv	98
20) Methylene Chloride	2.062	84	76274	7.815	ppbv	94
21) Allyl Chloride	2.097	41	158103	8.555	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	97729	8.175	ppbv	96
23) Vinyl Acetate	2.463	43	81872	7.219	ppbv	99
24) 1,1-Dichloroethane	2.411	63	199075	8.983	ppbv	99
25) Ethyl Acetate	2.839	43	602732	8.862	ppbv	99
26) Hexane	2.829	57	231730	8.821	ppbv	99
27) Carbon Disulfide	2.152	76	244246	8.670	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	131136	8.018	ppbv	97
29) Chloroform	2.852	83	378649	9.849	ppbv	99
30) Cyclohexane	3.861	84	196271	8.604	ppbv	96
31) cis-1,2-Dichloroethene	2.722	61	243455	9.129	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	401472	9.121	ppbv	98
34) 2-Butanone	2.560	43	347241	9.221	ppbv	100
35) Carbon Tetrachloride	3.764	117	412365	10.164	ppbv	97
36) Benzene	3.661	78	467443	9.079	ppbv	97
37) 1,2-Dichloroethane	3.221	62	307037	10.416	ppbv	97
38) Trichloroethene	4.554	130	199451	9.284	ppbv	98
39) 1,2-Dichloropropane	4.318	63	170450	9.090	ppbv	91
40) 1,4-Dioxane	4.590	88	81209	8.160	ppbv #	93
41) Tetrahydrofuran	3.059	42	189995	8.761	ppbv	98
42) Bromodichloromethane	4.496	83	416628	10.252	ppbv	98
43) Methyl Methacrylate	4.884	69	184838	8.480	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	789050	9.069	ppbv	97
45) t-1,3-Dichloropropene	6.422	75	196583	8.407	ppbv	95

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Instrument :
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 ClientSampleId :
 VSTDCC010

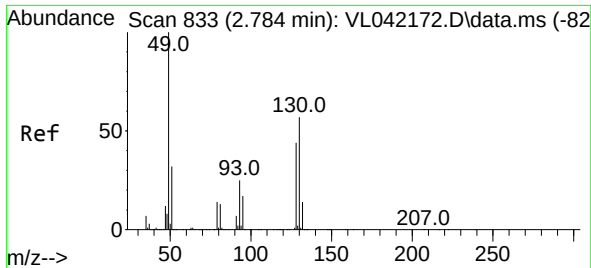
Quant Time: Apr 05 01:58:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	248725	8.677	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	188954	9.533	ppbv	96
48) Dibromochloromethane	7.396	129	338657	10.081	ppbv	100
49) Bromoform	9.490	173	291660	9.671	ppbv	100
50) 4-Methyl-2-Pentanone	5.761	43	485587	8.136	ppbv	98
51) 2-Hexanone	7.448	43	393233	8.024	ppbv #	96
52) Tetrachloroethene	8.231	164	170524	8.351	ppbv	94
53) Toluene	6.939	91	548226	8.982	ppbv	99
54) 1,2-Dibromoethane	7.661	107	262312	9.493	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.930	131	265488	10.373	ppbv	97
57) Chlorobenzene	8.927	112	435637	9.878	ppbv	97
58) Ethyl Benzene	9.360	91	787508	9.535	ppbv	100
59) m/p-Xylene	9.558	91	600901	9.111	ppbv #	19
60) o-Xylene	9.969	91	648429	9.808	ppbv	96
61) Styrene	9.875	104	307359	9.397	ppbv	99
62) Isopropylbenzene	10.545	105	991027	10.024	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	404850	10.079	ppbv	100
64) n-propylbenzene	10.995	120	263771	10.364	ppbv	96
65) tert-Butylbenzene	11.535	119	904984	9.898	ppbv	98
66) Benzyl Chloride	11.620	91	71677	7.388	ppbv	97
67) sec-Butylbenzene	11.772	105	1272047	10.009	ppbv	99
69) p-Isopropyltoluene	11.930	119	1096744	10.022	ppbv	99
70) n-Butylbenzene	12.283	91	1129301	10.090	ppbv	99
71) 2-Chlorotoluene	10.908	91	769367	10.027	ppbv	100
72) 4-Ethyltoluene	11.131	105	835598	10.151	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	724375	10.076	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	804419	9.712	ppbv	96
75) 1,3-Dichlorobenzene	11.613	146	469384	10.333	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	467820	10.348	ppbv	100
77) 1,2-Dichlorobenzene	11.950	146	460424	10.410	ppbv	99
78) Hexachloro-1,3-Butadiene	13.885	225	386022	8.574	ppbv	100
79) Naphthalene	13.516	128	931920	10.287	ppbv	99
80) Naphthalene,2-methyl-	14.461	142	470633	10.593	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	416845	9.975	ppbv	100

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

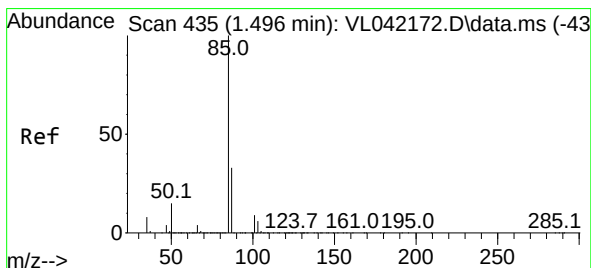
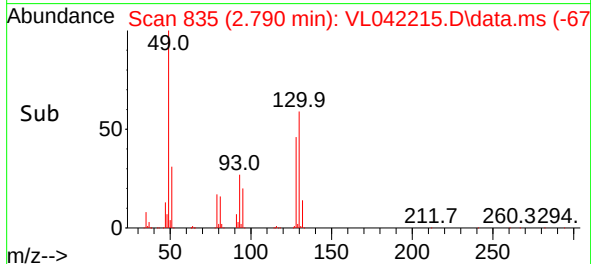
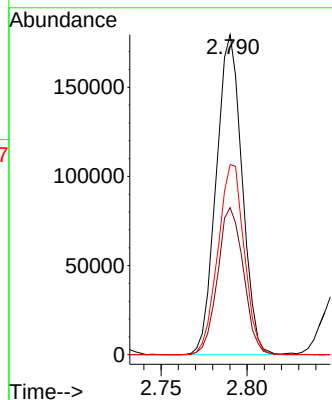
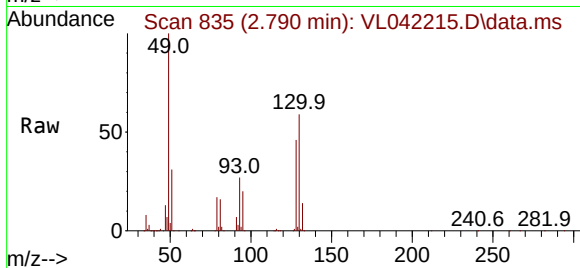




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

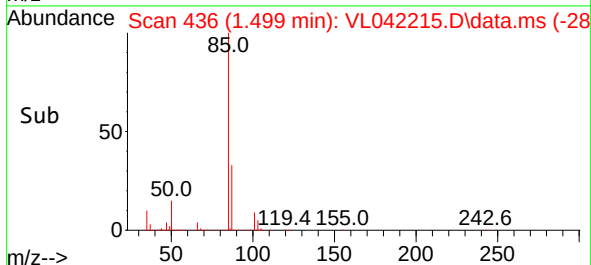
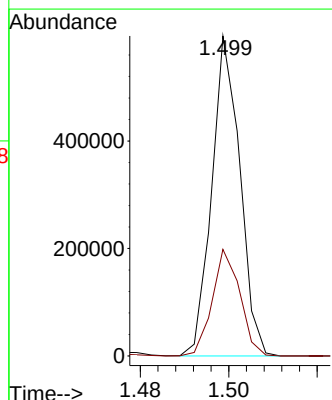
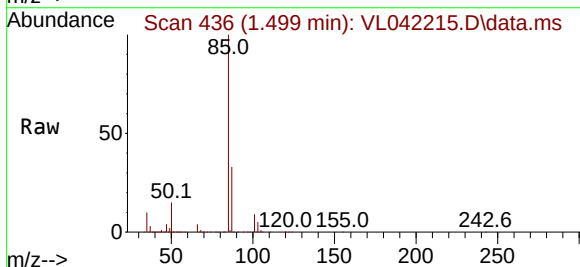
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

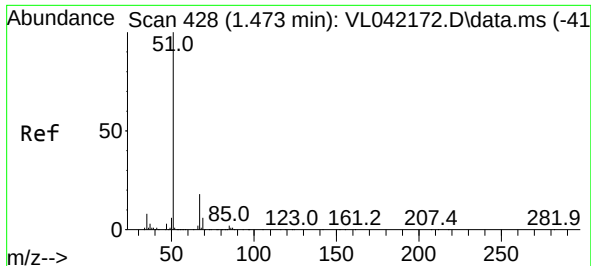
Tgt Ion: 49 Resp: 187369
Ion Ratio Lower Upper
49 100
128 45.9 22.9 68.5
130 60.7 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 9.517 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 85 Resp: 263276
Ion Ratio Lower Upper
85 100
87 33.3 26.1 39.1

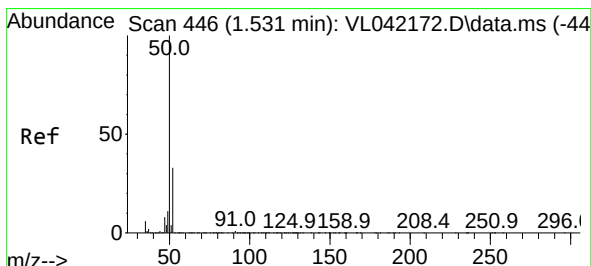
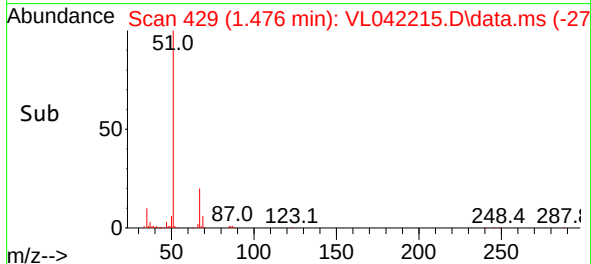
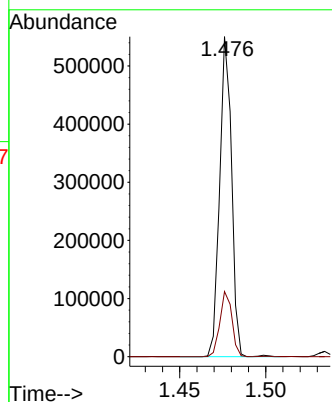
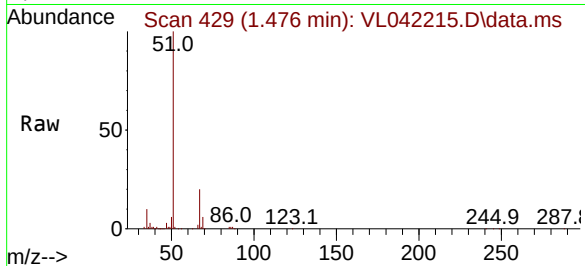




#3
Chlorodifluoromethane
Concen: 9.363 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

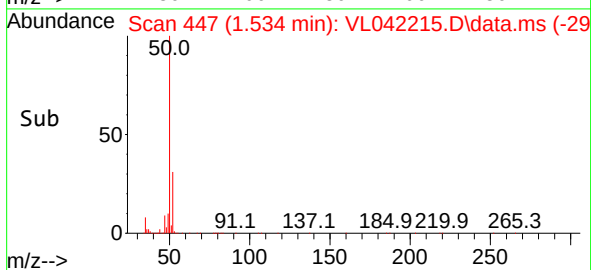
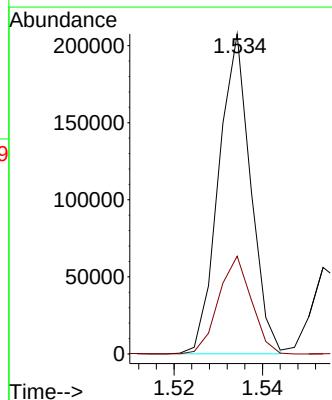
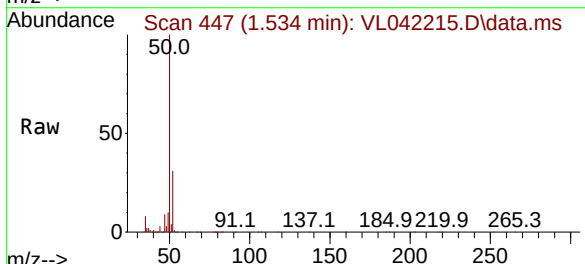
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ClientSampleId :
VSTDCCC010

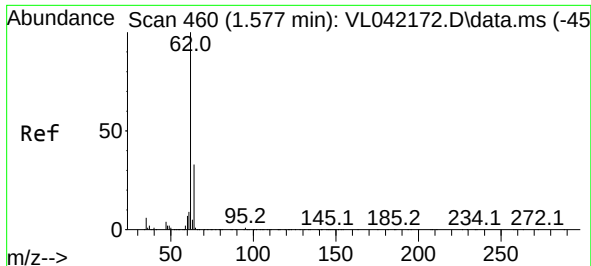
Tgt Ion: 51 Resp: 264623
Ion Ratio Lower Upper
51 100
67 20.8 15.0 22.6



#4
Chloromethane
Concen: 9.209 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 50 Resp: 104117
Ion Ratio Lower Upper
50 100
52 30.6 26.1 39.1

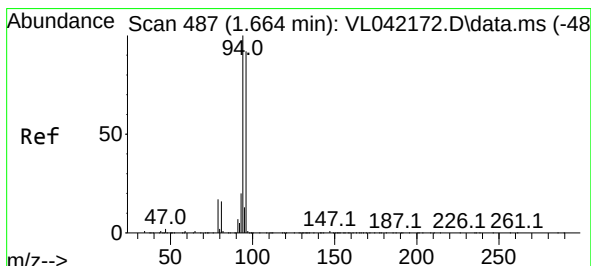
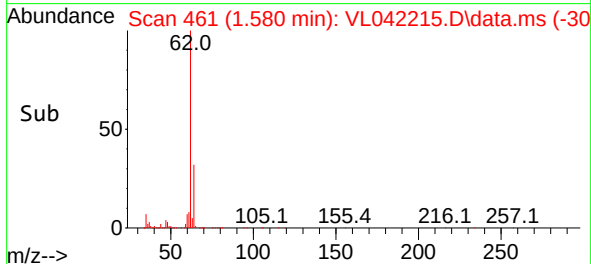
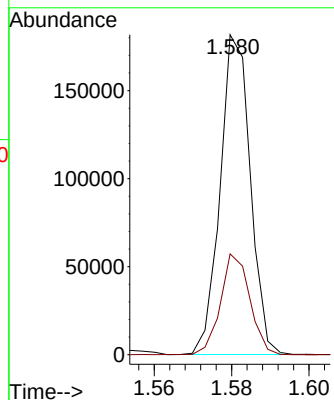
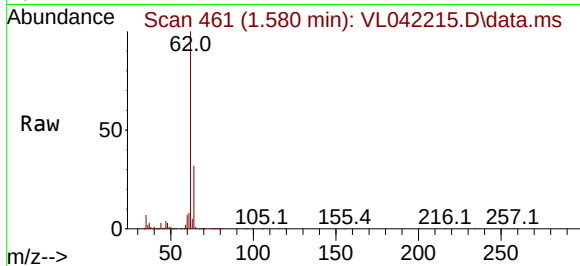




#5
 Vinyl Chloride
 Concen: 8.209 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

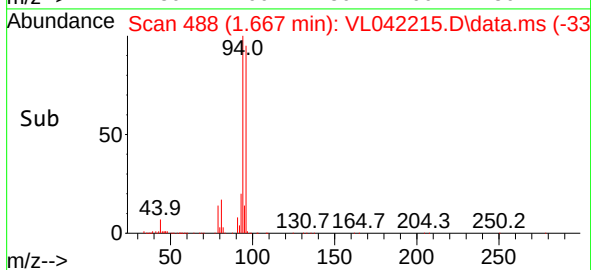
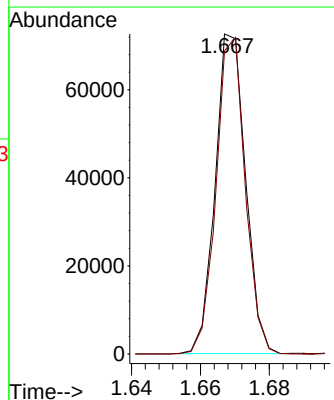
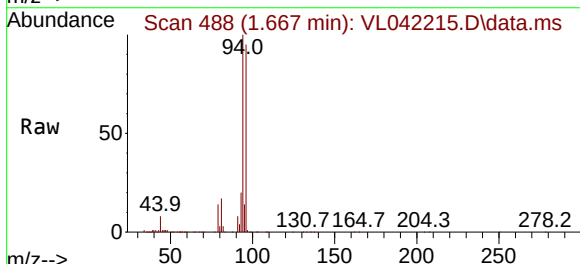
Instrument :
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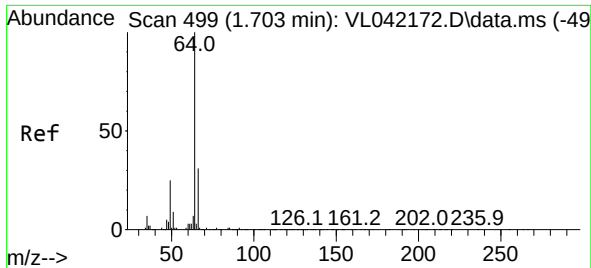
Tgt Ion: 62 Resp: 98352
 Ion Ratio Lower Upper
 62 100
 64 31.5 26.6 40.0



#6
 Bromomethane
 Concen: 8.685 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

Tgt Ion: 94 Resp: 44500
 Ion Ratio Lower Upper
 94 100
 96 94.7 73.1 109.7

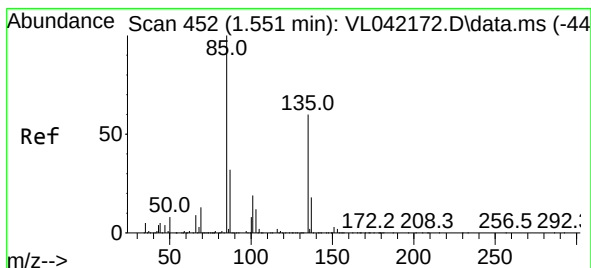
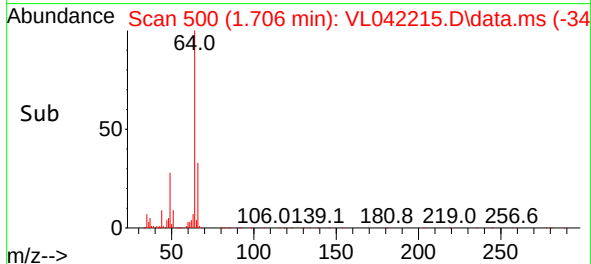
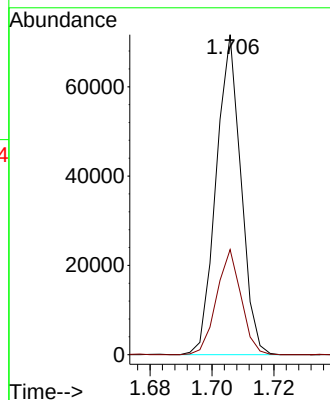
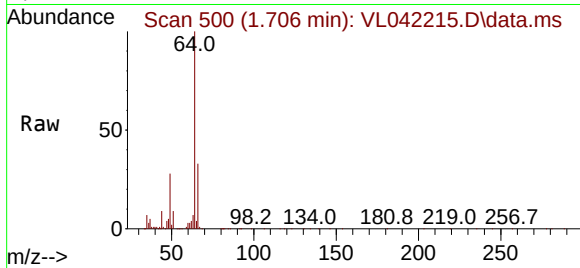




#7
Chloroethane
Concen: 8.771 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.003 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

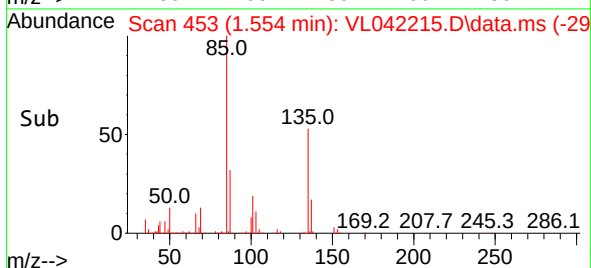
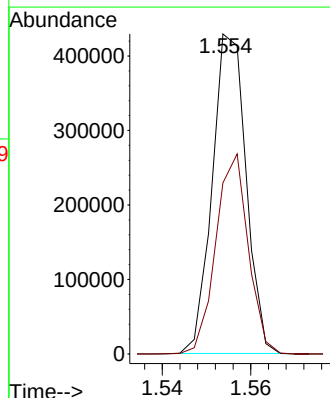
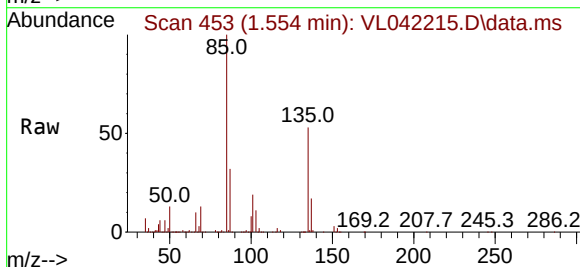
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ClientSampleId :
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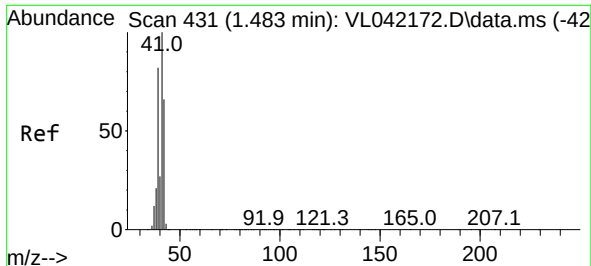
Tgt Ion: 64 Resp: 39804
Ion Ratio Lower Upper
64 100
66 32.8 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 9.663 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 85 Resp: 227648
Ion Ratio Lower Upper
85 100
135 60.0 52.4 78.6





#9

Propene

Concen: 7.871 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_1

ClientSampleId :

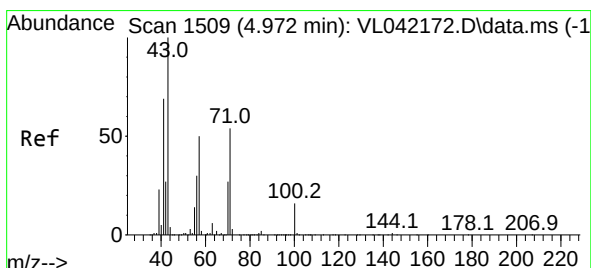
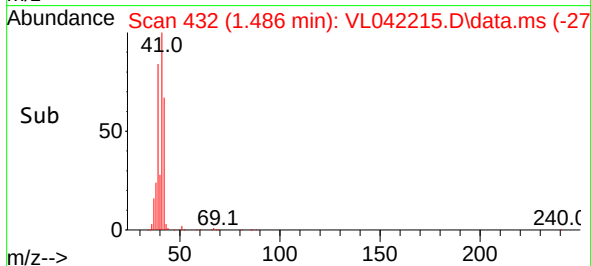
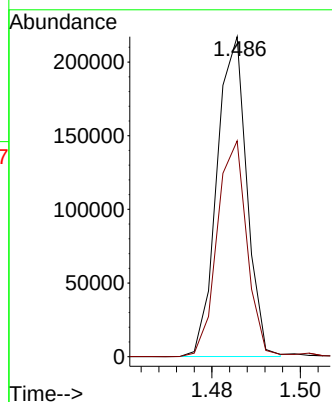
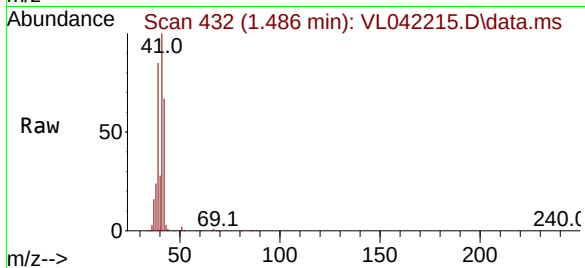
VSTDCCC010

Tgt Ion: 41 Resp: 101955

Ion Ratio Lower Upper

41 100

42 68.6 55.4 83.2



#10

Heptane

Concen: 8.439 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.016 min

Lab File: VL042215.D

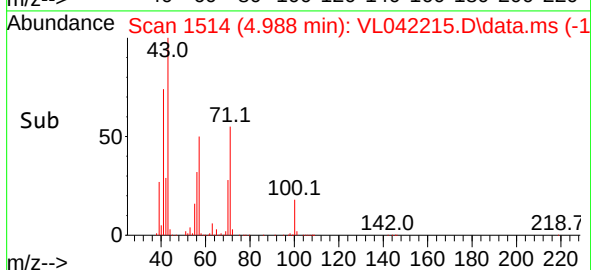
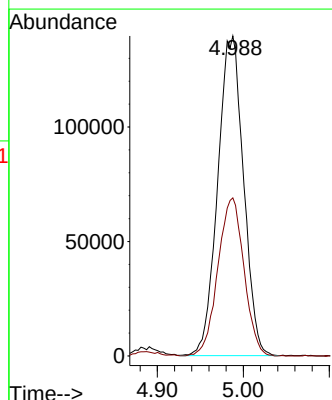
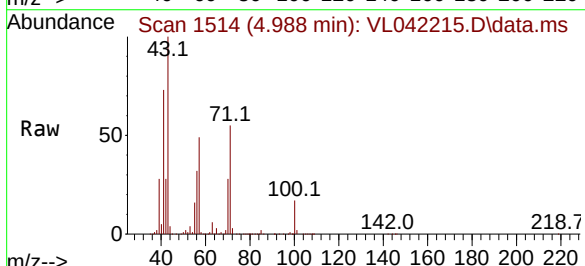
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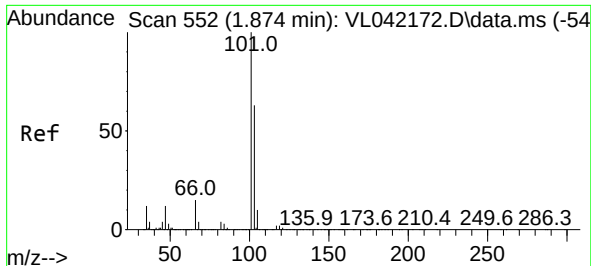
Tgt Ion: 43 Resp: 290775

Ion Ratio Lower Upper

43 100

57 50.0 39.4 59.2

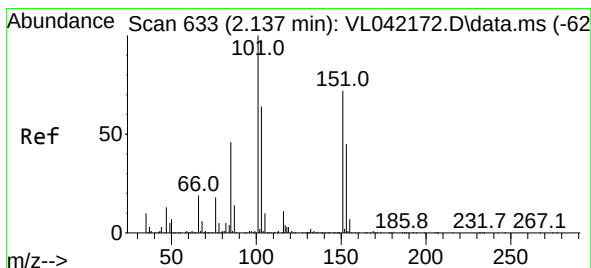
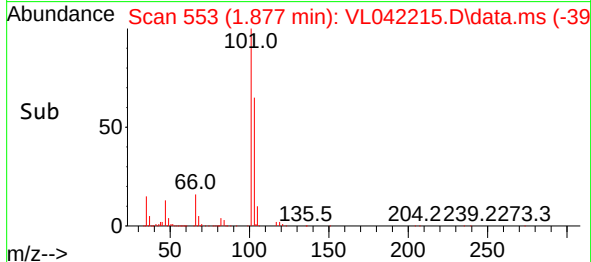
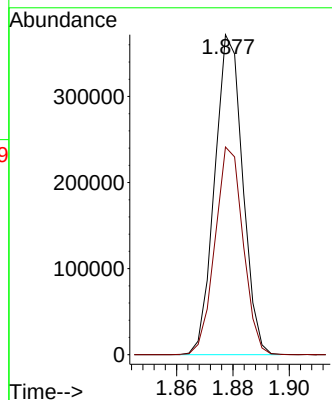
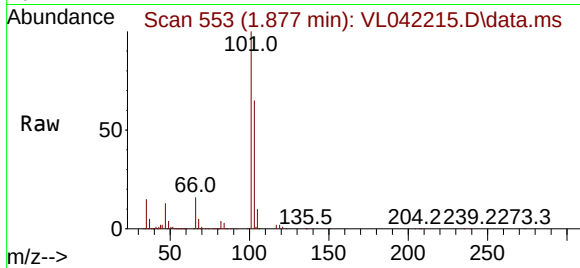




#11
 Trichlorofluoromethane
 Concen: 9.520 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

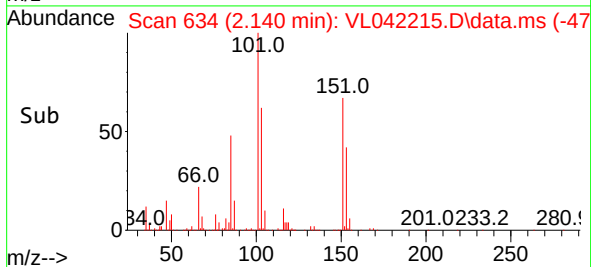
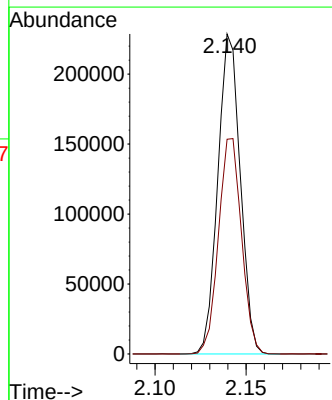
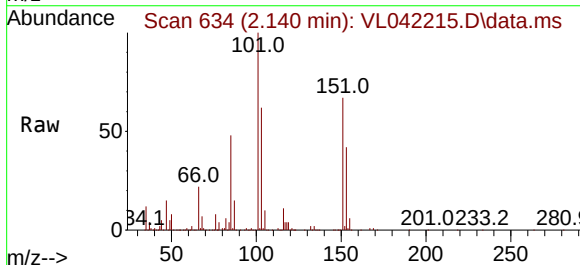
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

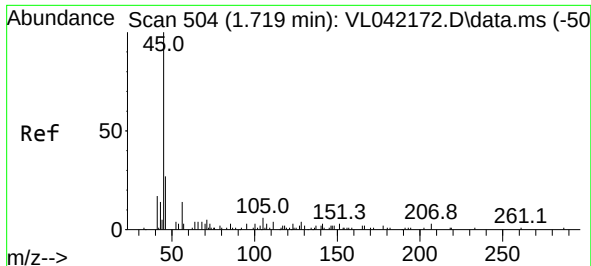
Tgt Ion:101 Resp: 256266
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.826 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

Tgt Ion:101 Resp: 195280
 Ion Ratio Lower Upper
 101 100
 151 69.2 57.1 85.7

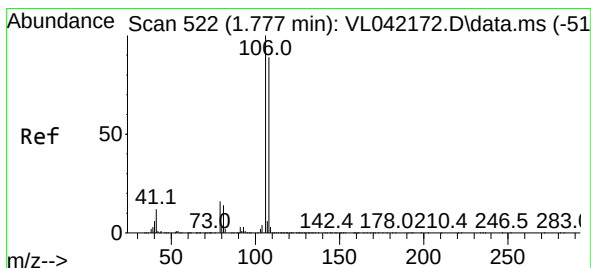
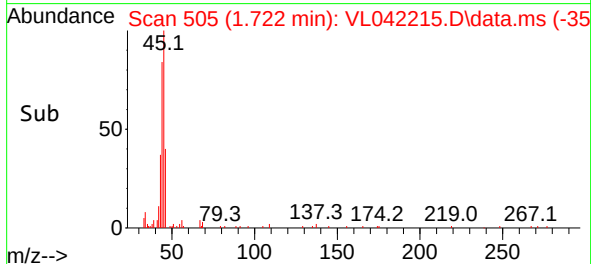
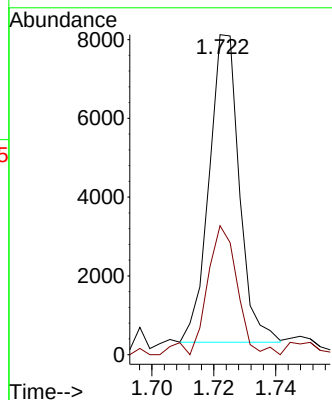
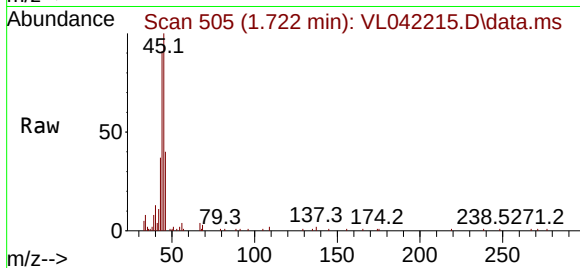




#13
 Ethanol
 Concen: 4.324 ppbv
 RT: 1.722 min Scan# 504
 Delta R.T. 0.003 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

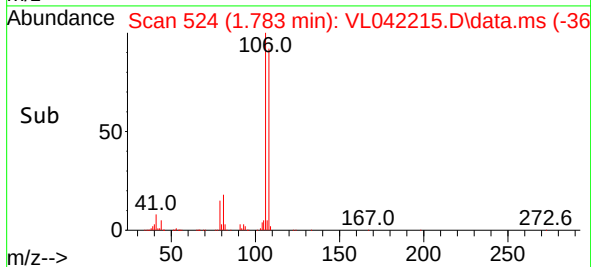
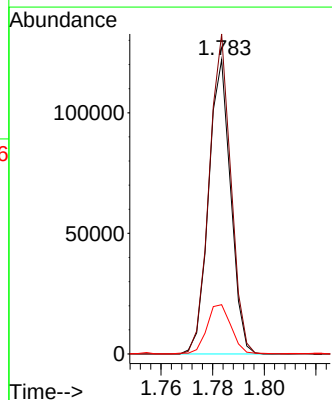
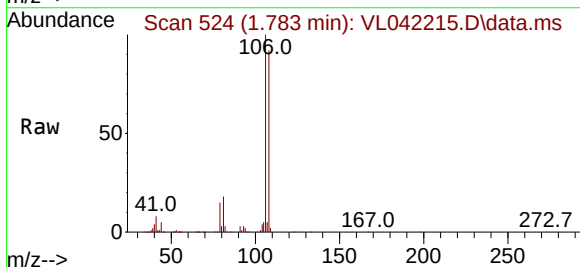
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

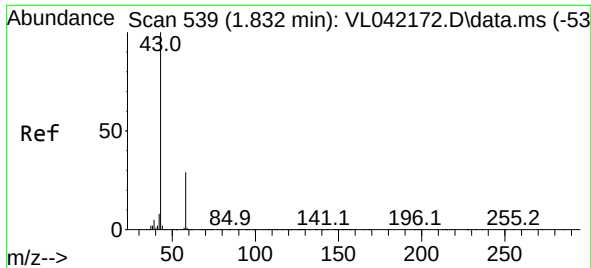
Tgt Ion: 45 Resp: 5295
 Ion Ratio Lower Upper
 45 100
 46 49.6 20.2 80.8



#14
 Bromoethene
 Concen: 8.536 ppbv
 RT: 1.783 min Scan# 524
 Delta R.T. 0.006 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

Tgt Ion: 108 Resp: 72355
 Ion Ratio Lower Upper
 108 100
 106 106.7 86.8 130.2
 79 19.5 15.0 22.6





#15

Acetone

Concen: 8.381 ppbv

RT: 1.835 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

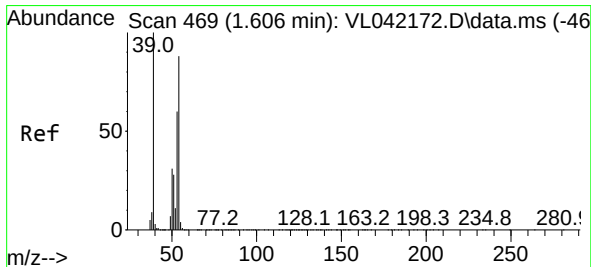
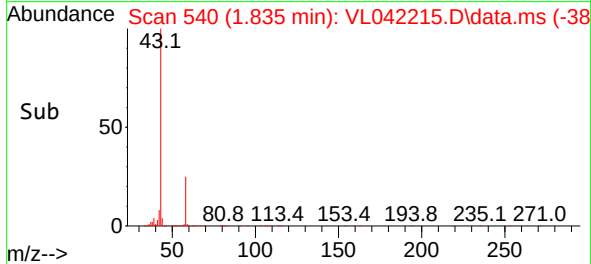
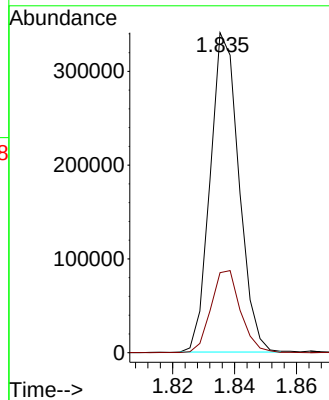
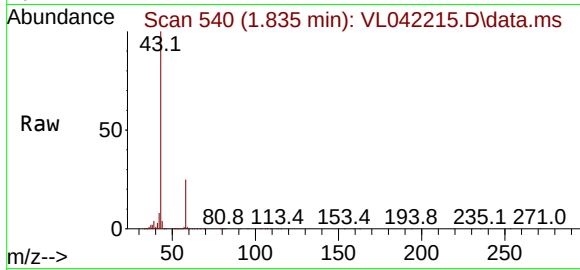
VSTDCCC010

Tgt Ion: 43 Resp: 219621

Ion Ratio Lower Upper

43 100

58 26.7 23.2 34.8



#16

1,3-Butadiene

Concen: 8.351 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL042215.D

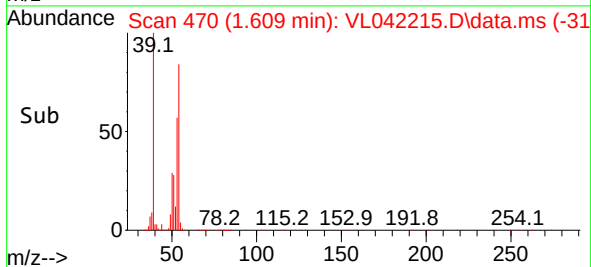
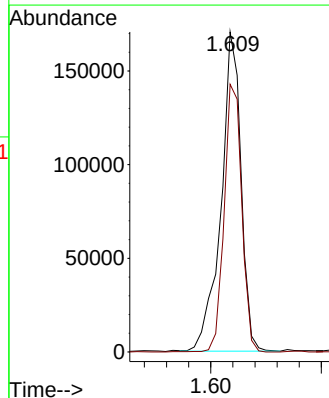
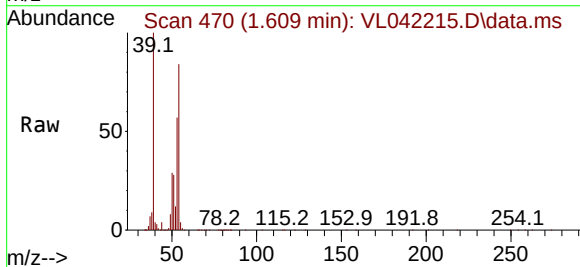
Acq: 04 Apr 2025 08:58

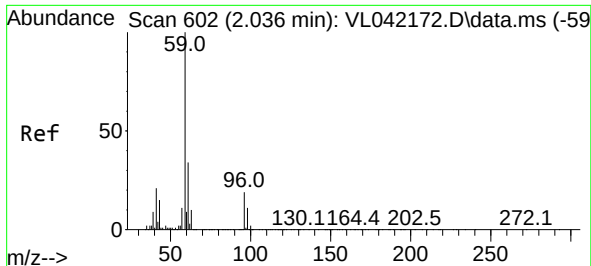
Tgt Ion: 39 Resp: 106868

Ion Ratio Lower Upper

39 100

54 74.1 60.7 91.1





#17

tert-Butyl alcohol

Concen: 8.107 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

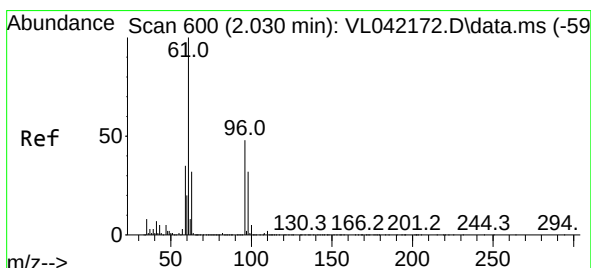
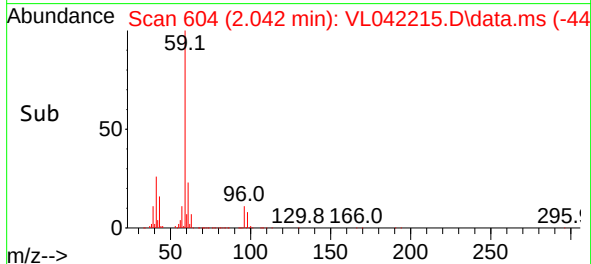
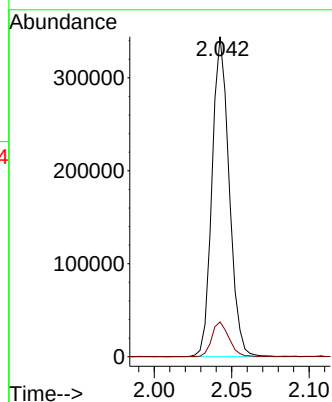
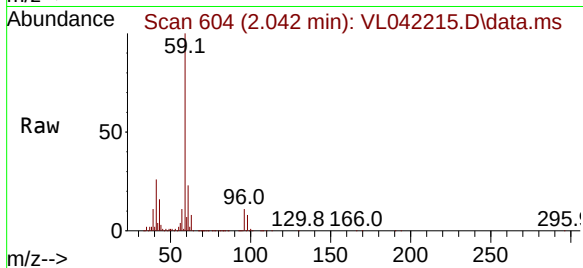
VSTDCCC010

Tgt Ion: 59 Resp: 264585

Ion Ratio Lower Upper

59 100

57 11.1 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.501 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

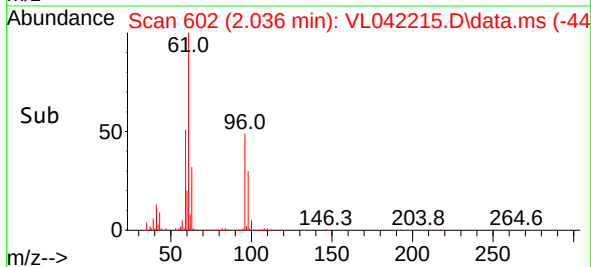
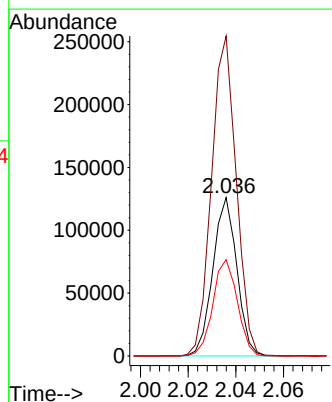
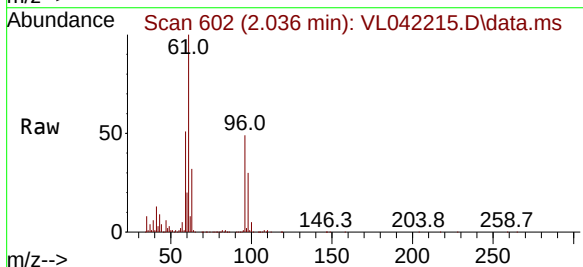
Tgt Ion: 96 Resp: 87932

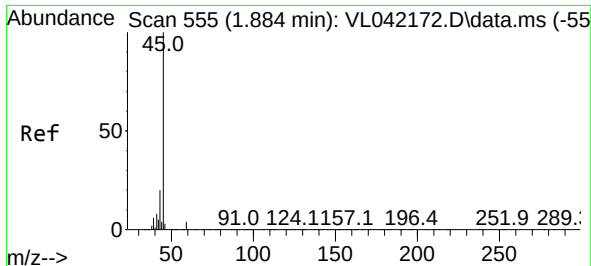
Ion Ratio Lower Upper

96 100

61 202.1 167.6 251.4

98 60.8 53.5 80.3

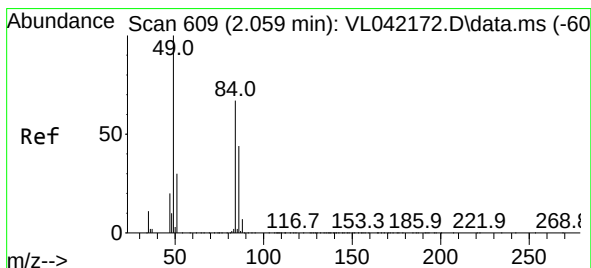
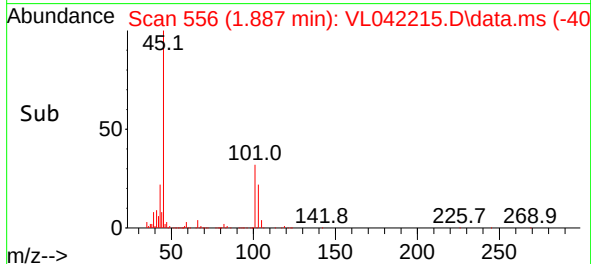
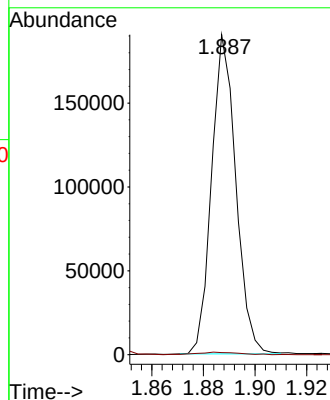
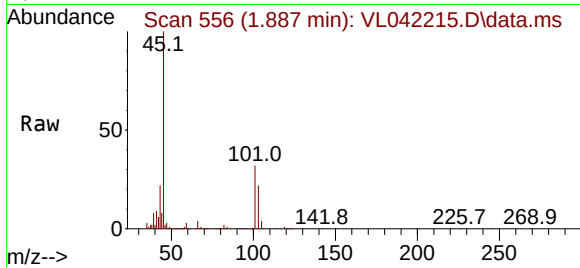




#19
Isopropyl Alcohol
Concen: 8.381 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

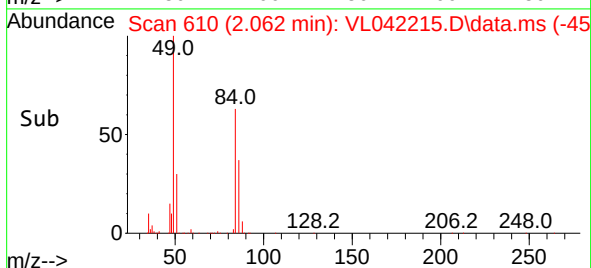
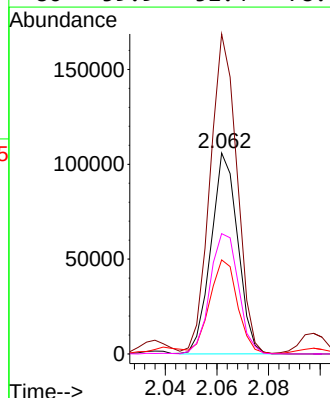
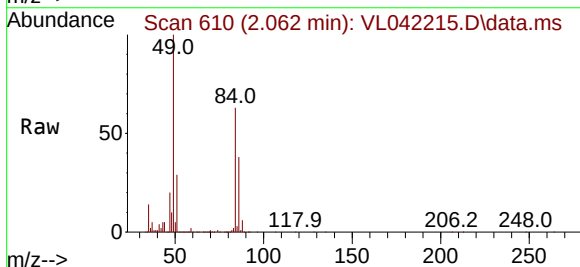
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

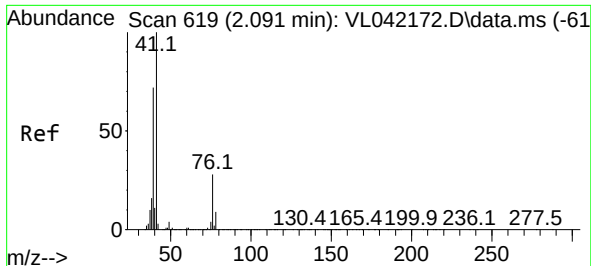
Tgt Ion: 45 Resp: 123909
Ion Ratio Lower Upper
45 100
58 47.2 36.9 55.3



#20
Methylene Chloride
Concen: 7.815 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.003 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 84 Resp: 76274
Ion Ratio Lower Upper
84 100
49 158.7 120.2 180.4
51 46.6 37.4 56.0
86 59.9 52.4 78.6

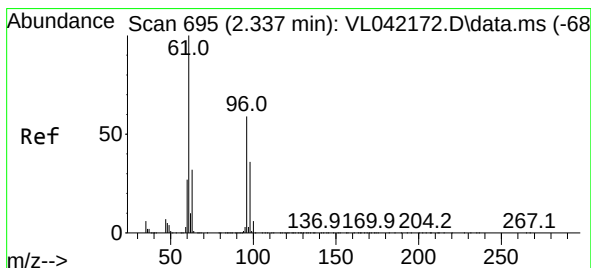
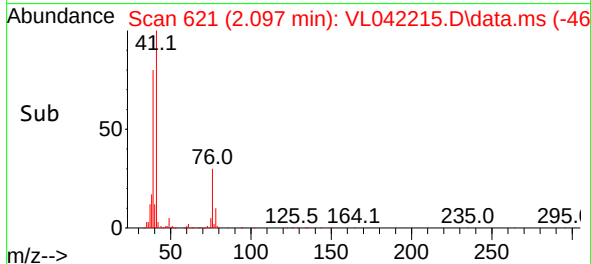
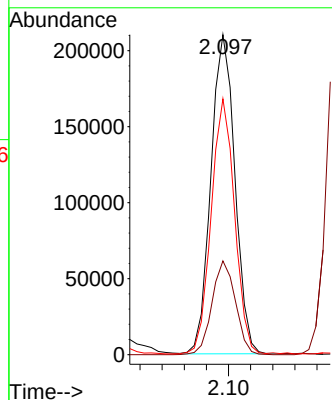
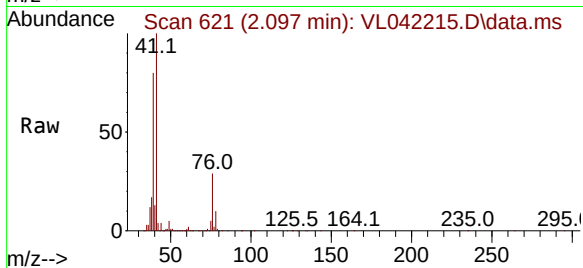




#21
 Allyl Chloride
 Concen: 8.555 ppbv
 RT: 2.097 min Scan# 619
 Delta R.T. 0.006 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

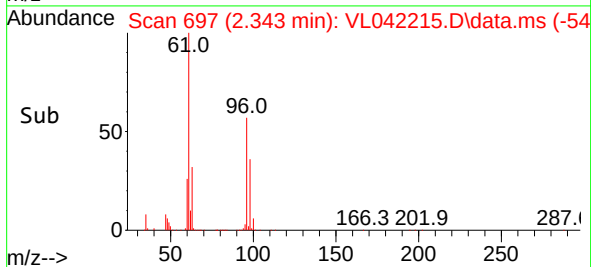
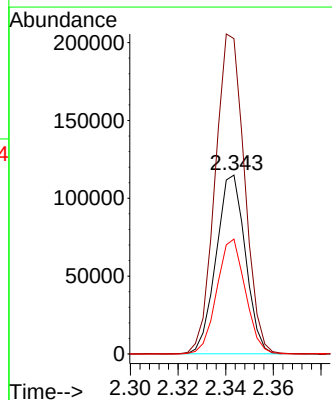
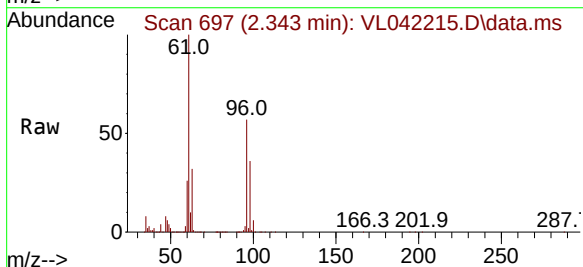
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

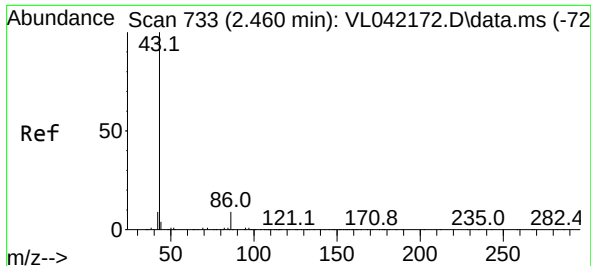
Tgt Ion: 41 Resp: 158103
 Ion Ratio Lower Upper
 41 100
 76 28.7 24.1 36.1
 39 77.8 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 8.175 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. 0.006 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

Tgt Ion: 96 Resp: 97729
 Ion Ratio Lower Upper
 96 100
 61 176.4 136.6 204.8
 98 64.3 49.4 74.2

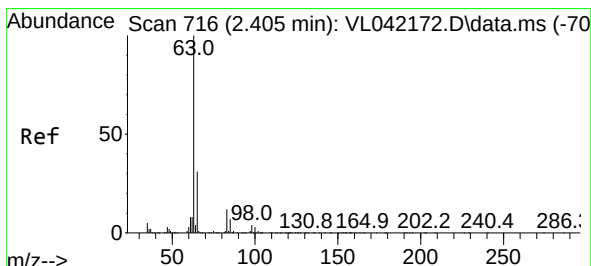
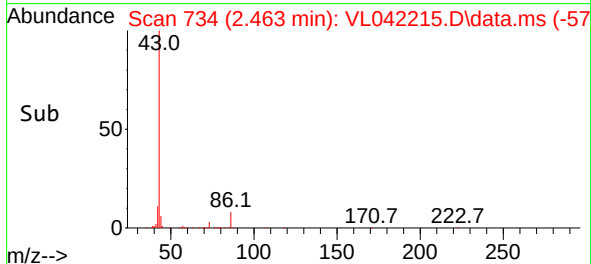
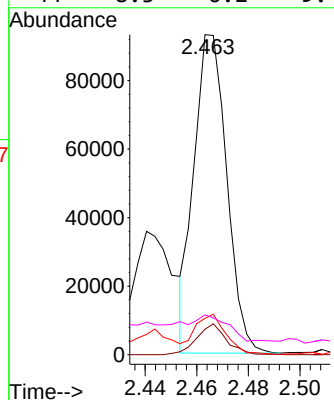
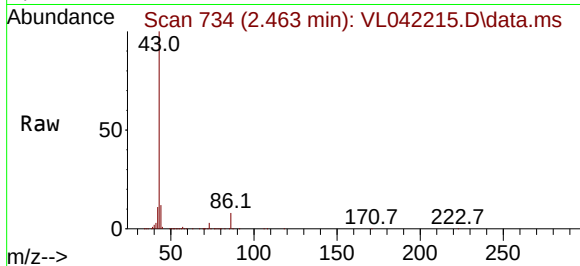




#23
 Vinyl Acetate
 Concen: 7.219 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

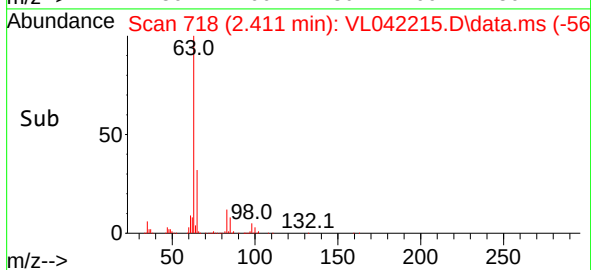
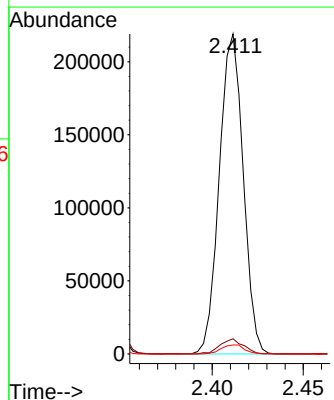
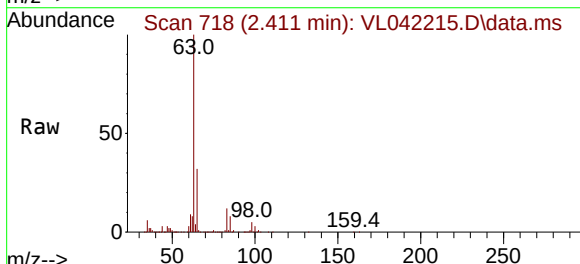
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

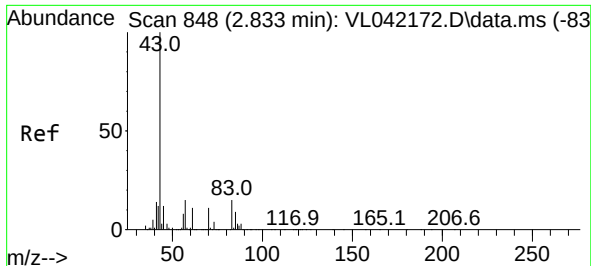
Tgt Ion:	43	Resp:	81872
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.5	8.3
42	10.8	8.6	13.0
44	8.3	6.2	9.4



#24
 1,1-Dichloroethane
 Concen: 8.983 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. 0.006 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

Tgt Ion:	63	Resp:	199075
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.8
100	2.8	1.6	4.7



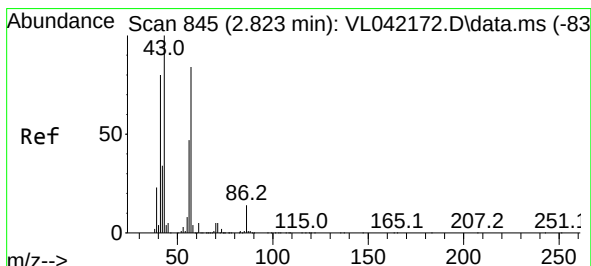
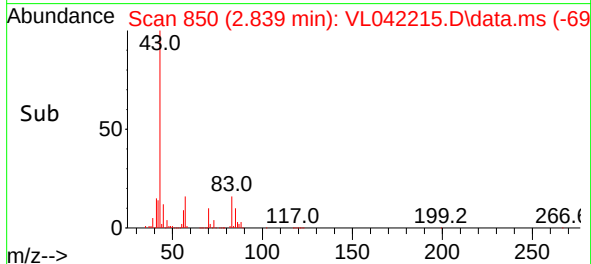
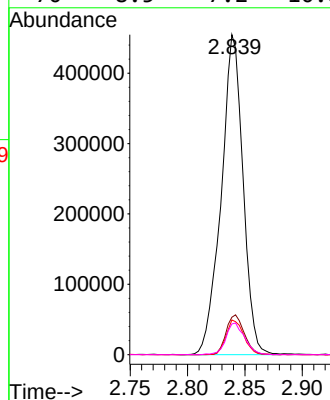
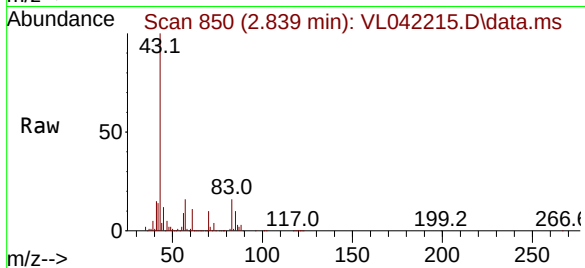


#25
Ethyl Acetate
Concen: 8.862 ppbv
RT: 2.839 min Scan# 848
Delta R.T. 0.006 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 602732

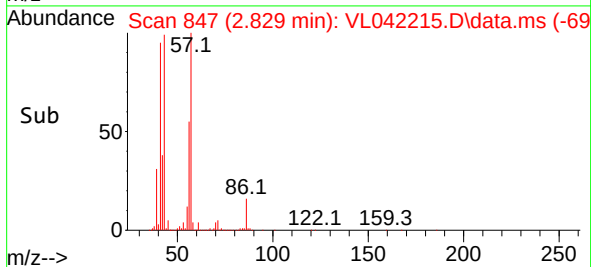
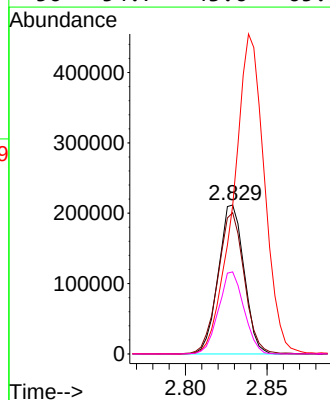
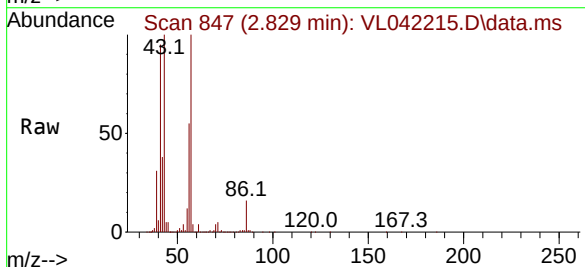
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.2
61	8.8	7.3	10.9
70	8.5	7.2	10.8

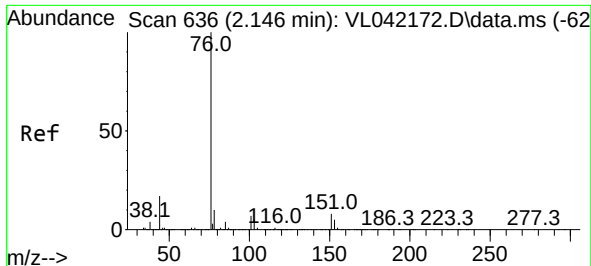


#26
Hexane
Concen: 8.821 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 57 Resp: 231730

Ion	Ratio	Lower	Upper
57	100		
41	97.5	76.6	114.8
43	261.3	207.8	311.8
56	54.7	43.6	65.4





#27

Carbon Disulfide

Concen: 8.670 ppbv

RT: 2.152 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

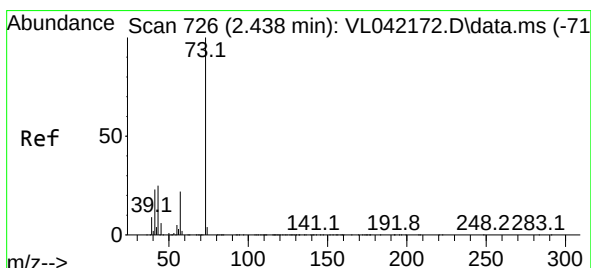
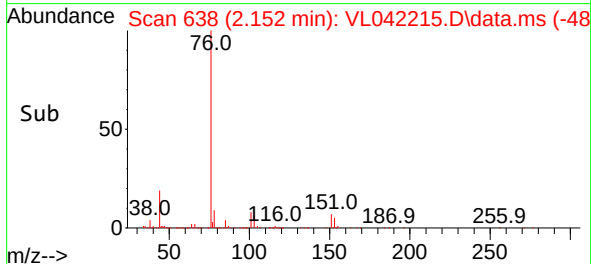
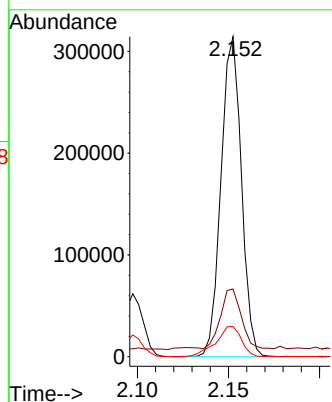
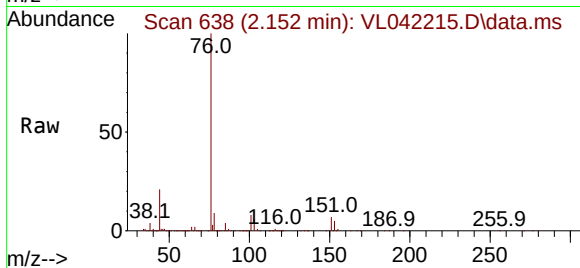
Tgt Ion: 76 Resp: 244246

Ion Ratio Lower Upper

76 100

44 21.1 14.7 22.1

78 11.9 9.3 13.9



#28

Methyl tert-Butyl Ether

Concen: 8.018 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.006 min

Lab File: VL042215.D

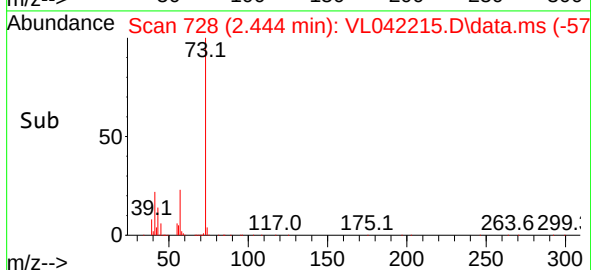
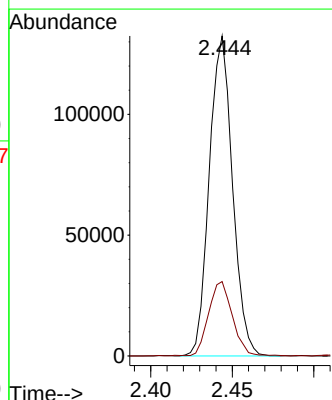
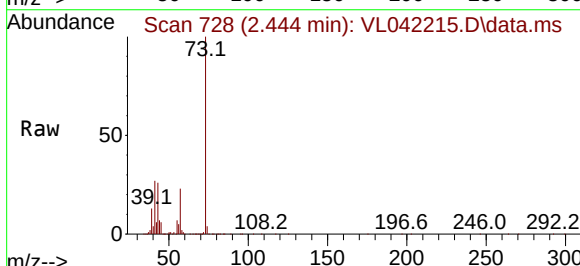
Acq: 04 Apr 2025 08:58

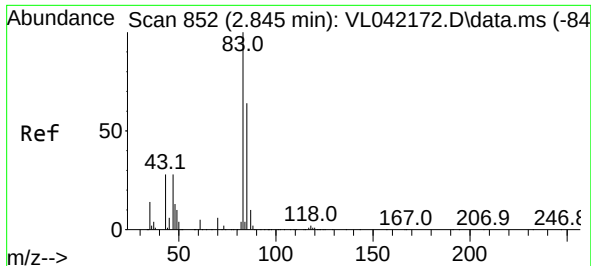
Tgt Ion: 73 Resp: 131136

Ion Ratio Lower Upper

73 100

57 24.0 20.5 30.7





#29

Chloroform

Concen: 9.849 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

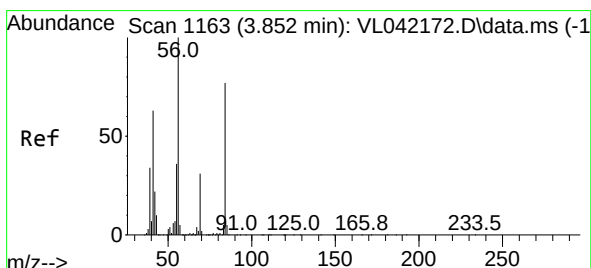
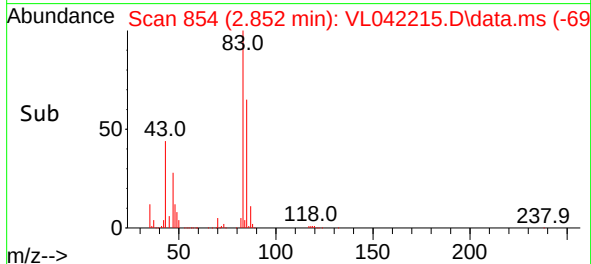
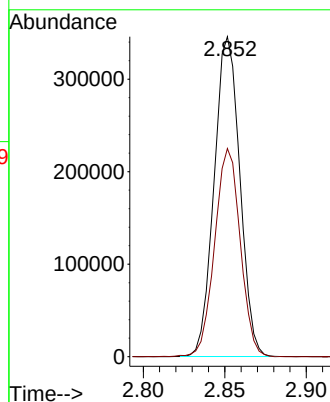
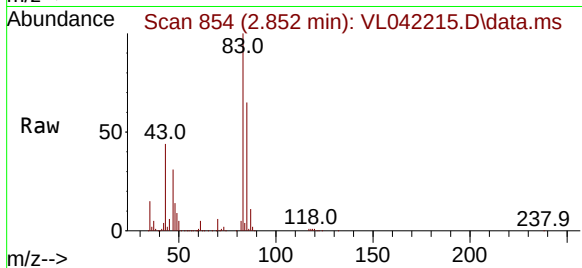
VSTDCCC010

Tgt Ion: 83 Resp: 378649

Ion Ratio Lower Upper

83 100

85 65.0 51.4 77.2



#30

Cyclohexane

Concen: 8.604 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

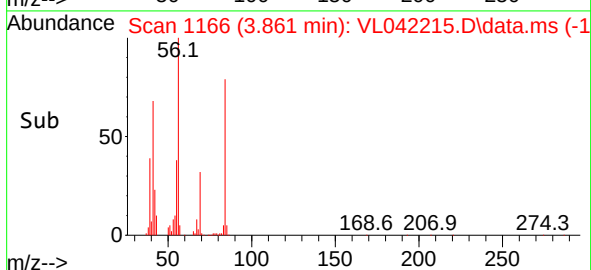
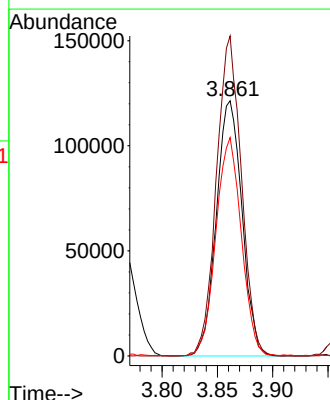
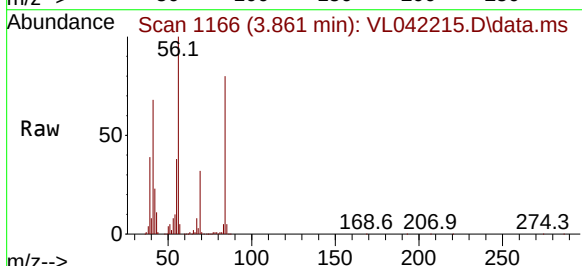
Tgt Ion: 84 Resp: 196271

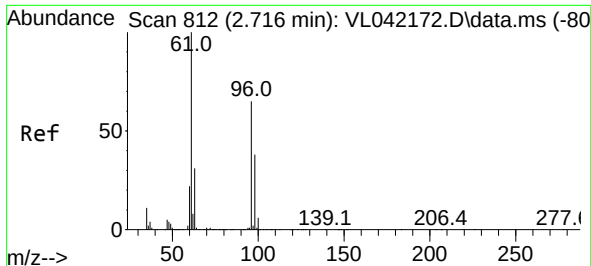
Ion Ratio Lower Upper

84 100

56 121.5 102.8 154.2

41 84.7 66.5 99.7

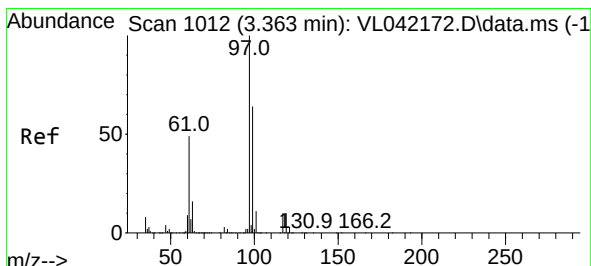
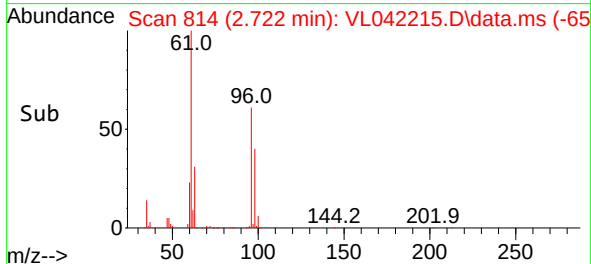
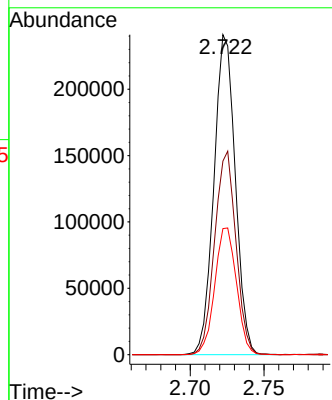
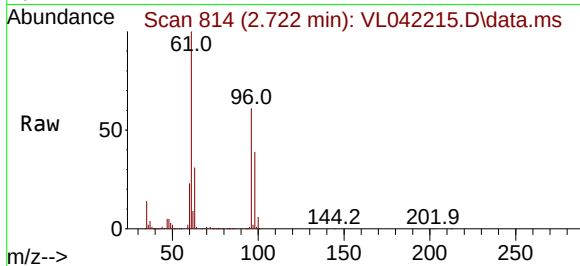




#31
 cis-1,2-Dichloroethene
 Concen: 9.129 ppbv
 RT: 2.722 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

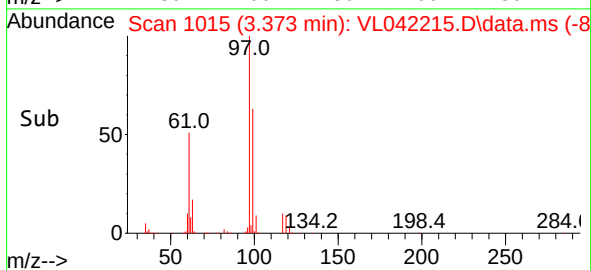
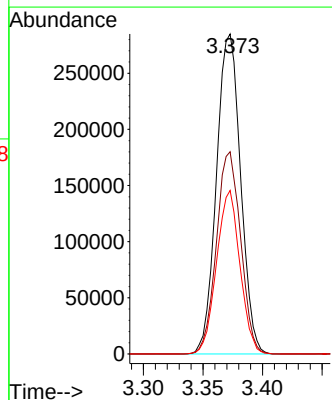
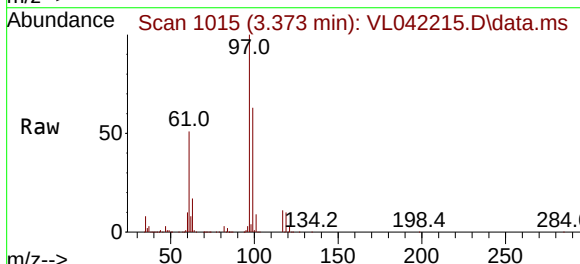
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

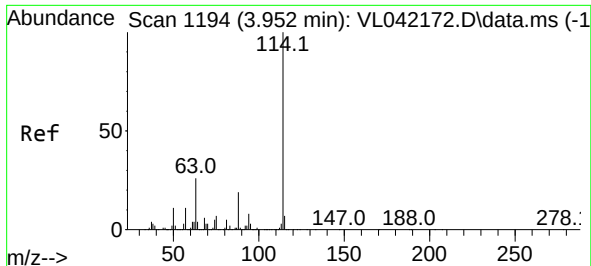
Tgt Ion: 61 Resp: 243455
 Ion Ratio Lower Upper
 61 100
 96 60.5 51.8 77.8
 98 39.4 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 9.121 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.009 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

Tgt Ion: 97 Resp: 401472
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.5 77.3
 61 49.5 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

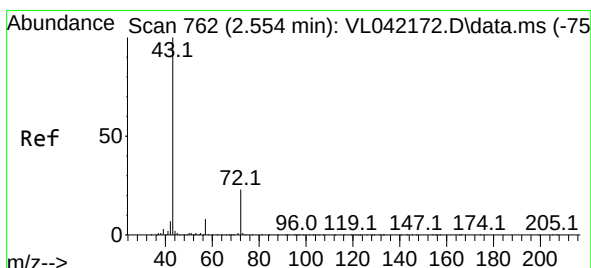
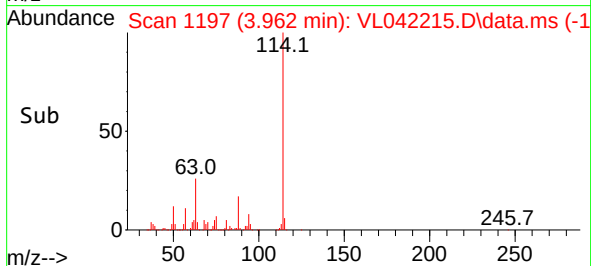
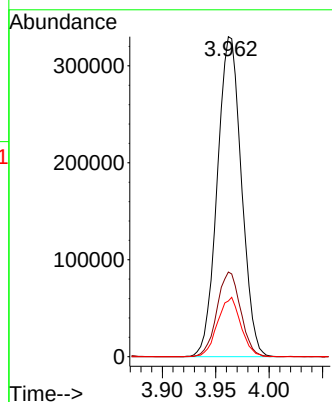
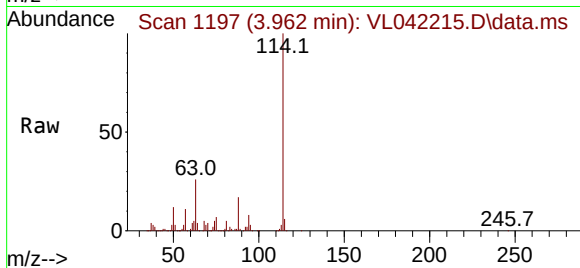
Tgt Ion:114 Resp: 519347

Ion Ratio Lower Upper

114 100

63 26.0 20.7 31.1

88 17.9 15.0 22.4



#34

2-Butanone

Concen: 9.221 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.006 min

Lab File: VL042215.D

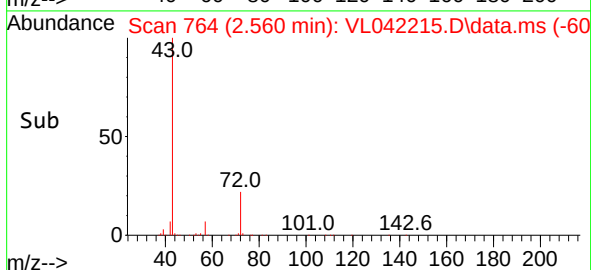
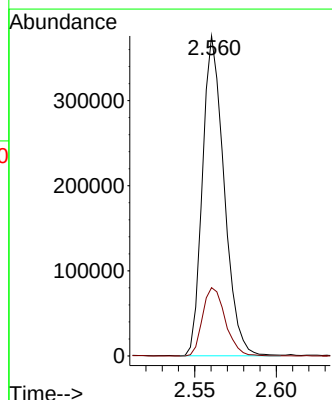
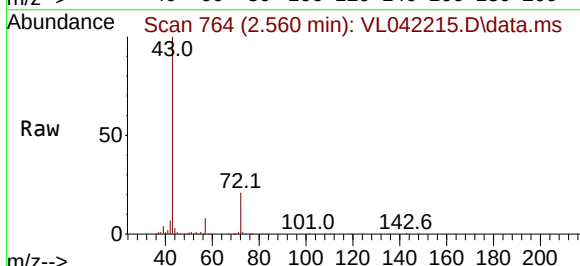
Acq: 04 Apr 2025 08:58

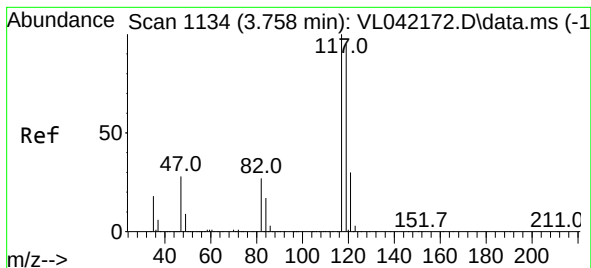
Tgt Ion: 43 Resp: 347241

Ion Ratio Lower Upper

43 100

72 22.5 18.2 27.2





#35

Carbon Tetrachloride

Concen: 10.164 ppbv

RT: 3.764 min Scan# 1136

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

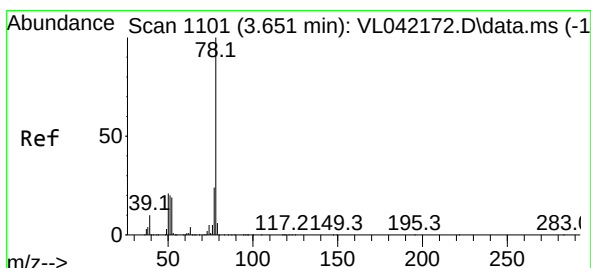
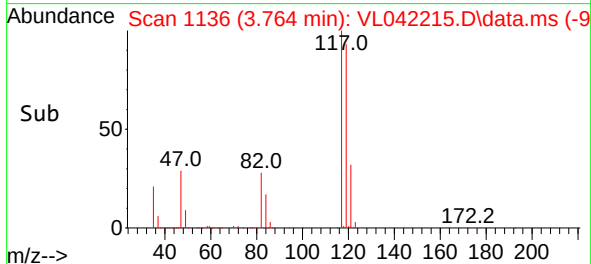
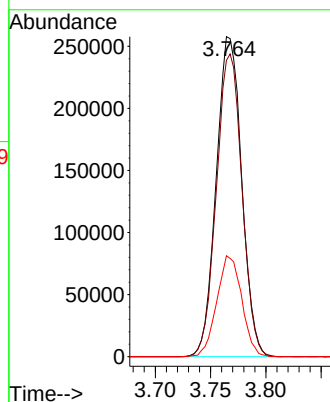
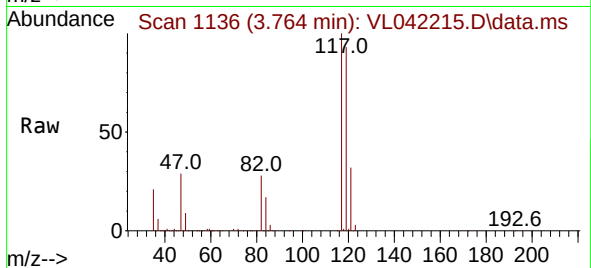
Tgt Ion:117 Resp: 412365

Ion Ratio Lower Upper

117 100

119 92.6 76.2 114.2

121 31.6 24.2 36.4



#36

Benzene

Concen: 9.079 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

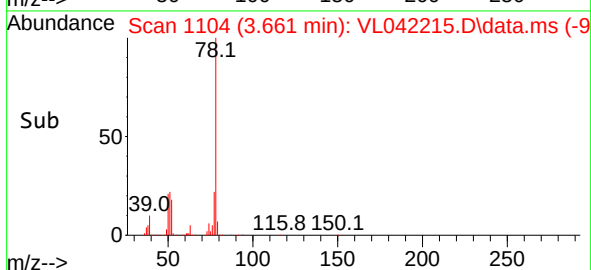
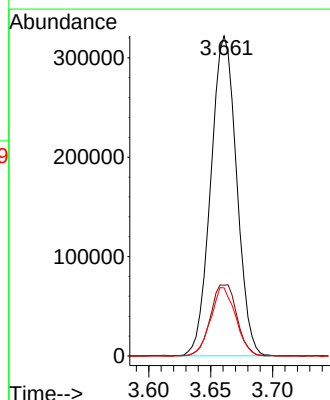
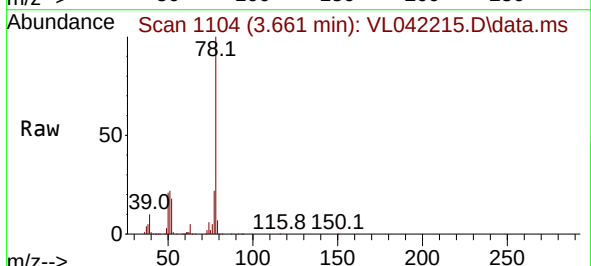
Tgt Ion: 78 Resp: 467443

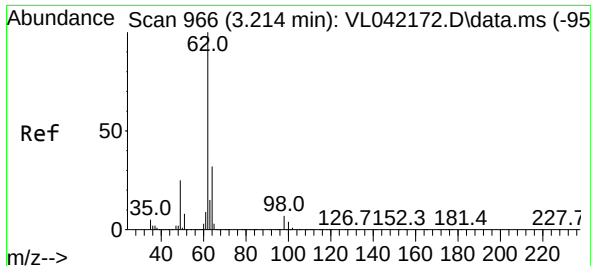
Ion Ratio Lower Upper

78 100

77 22.1 19.1 28.7

50 21.3 16.6 24.8

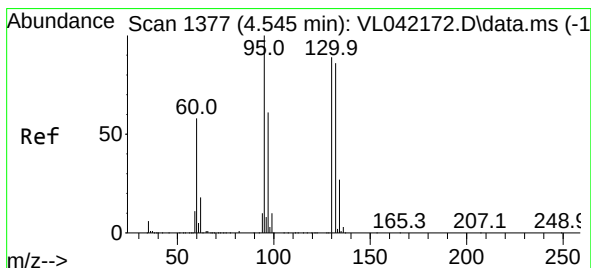
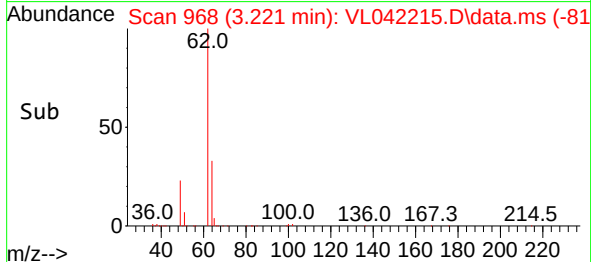
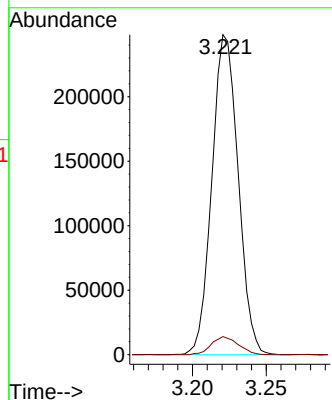
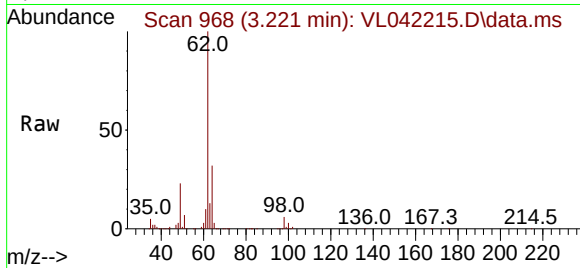




#37
1,2-Dichloroethane
Concen: 10.416 ppbv
RT: 3.221 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

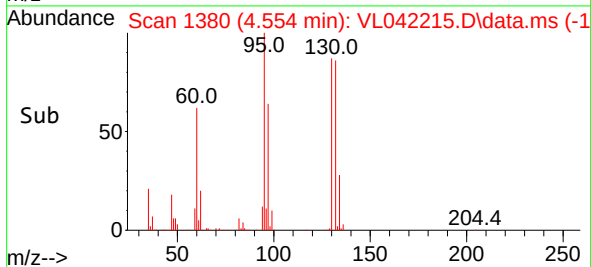
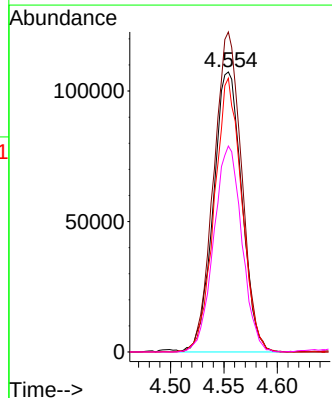
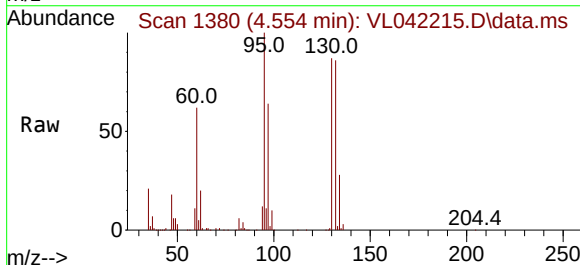
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

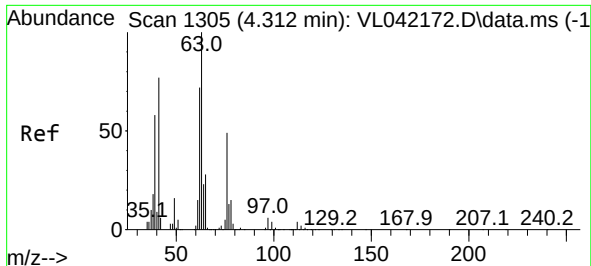
Tgt Ion: 62 Resp: 307037
Ion Ratio Lower Upper
62 100
98 5.8 5.4 8.2



#38
Trichloroethene
Concen: 9.284 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.009 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion:130 Resp: 199451
Ion Ratio Lower Upper
130 100
95 114.1 89.8 134.8
132 97.7 77.4 116.2
97 73.4 55.1 82.7





#39

1,2-Dichloropropane

Concen: 9.090 ppbv

RT: 4.318 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

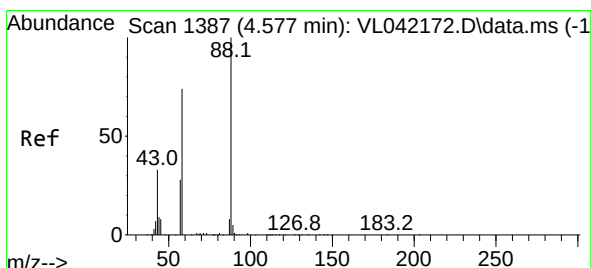
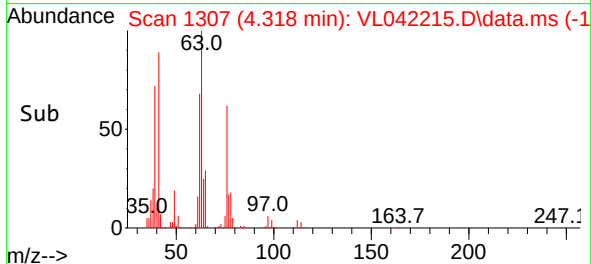
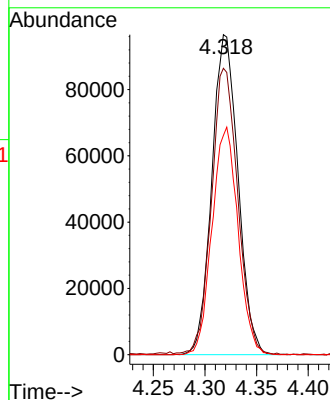
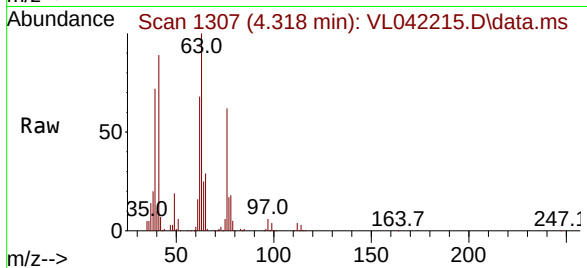
Tgt Ion: 63 Resp: 170450

Ion Ratio Lower Upper

63 100

41 89.2 61.7 92.5

62 68.5 57.6 86.4



#40

1,4-Dioxane

Concen: 8.160 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. 0.013 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Tgt Ion: 88 Resp: 81209

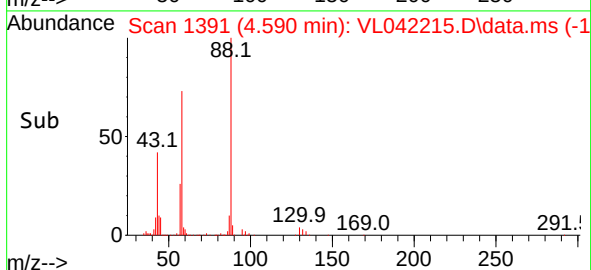
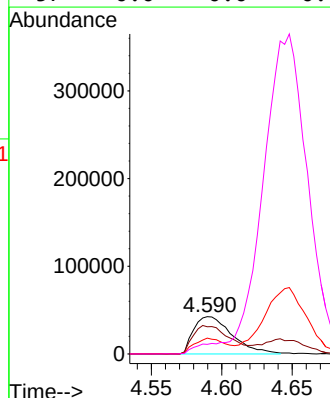
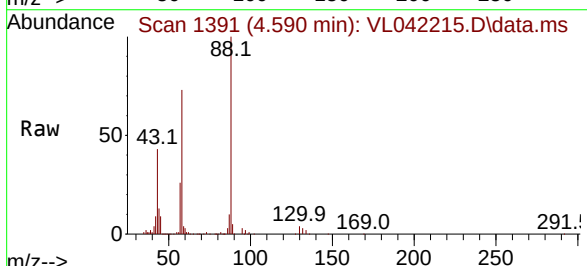
Ion Ratio Lower Upper

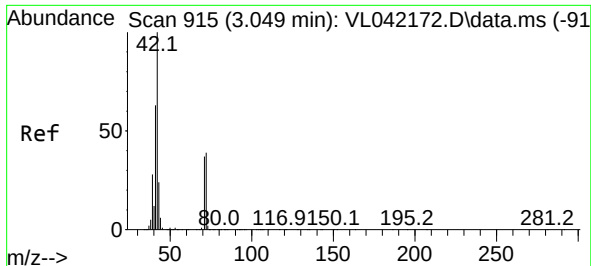
88 100

58 75.0 62.7 94.1

43 37.5 23.0 34.4#

57 0.0 0.0 0.0

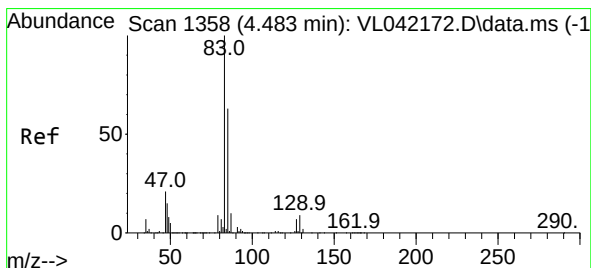
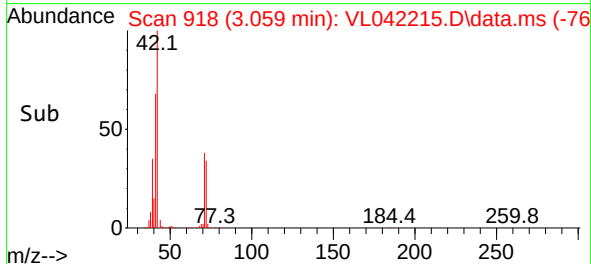
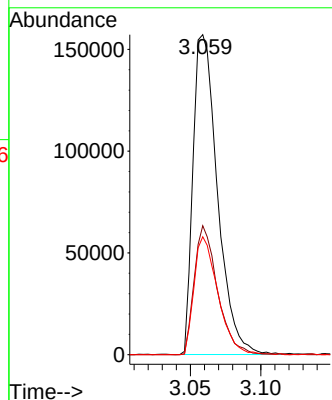
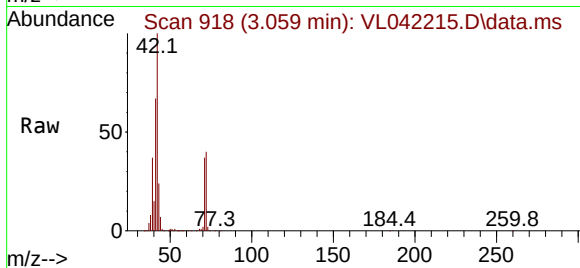




#41
Tetrahydrofuran
Concen: 8.761 ppbv
RT: 3.059 min Scan# 915
Delta R.T. 0.009 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

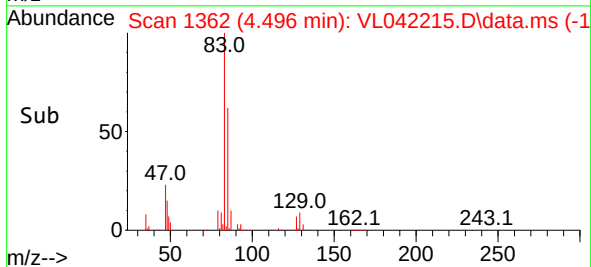
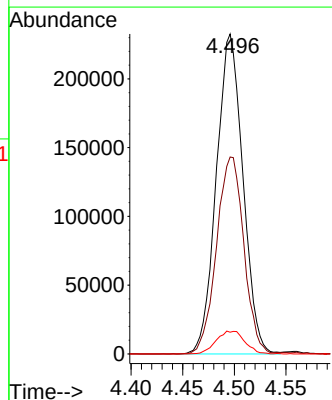
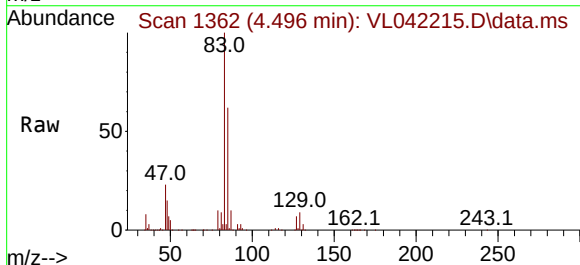
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

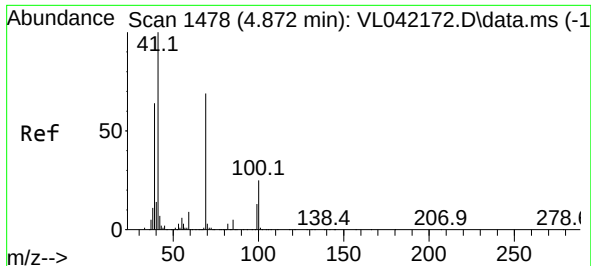
Tgt Ion: 42 Resp: 189995
Ion Ratio Lower Upper
42 100
72 38.4 31.4 47.0
71 36.0 30.2 45.4



#42
Bromodichloromethane
Concen: 10.252 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.013 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 83 Resp: 416628
Ion Ratio Lower Upper
83 100
85 61.5 50.5 75.7
127 6.8 5.9 8.9

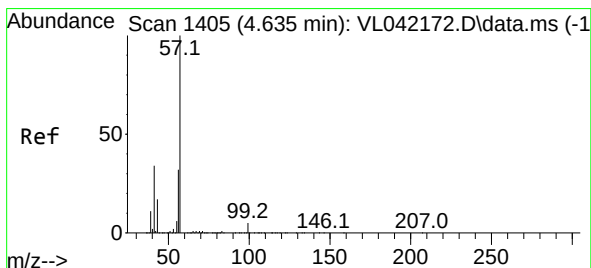
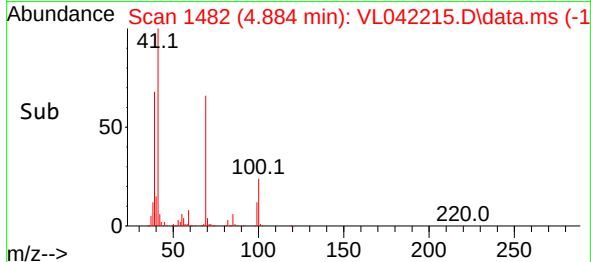
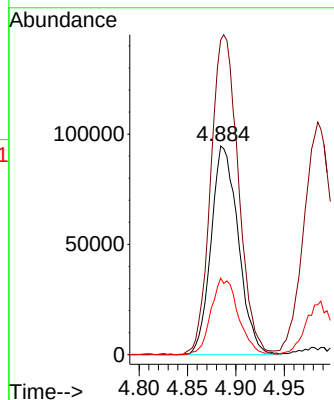
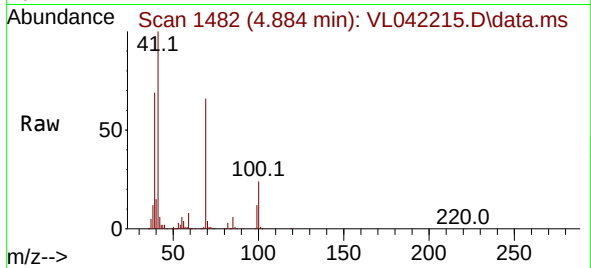




#43
Methyl Methacrylate
Concen: 8.480 ppbv
RT: 4.884 min Scan# 1482
Delta R.T. 0.013 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

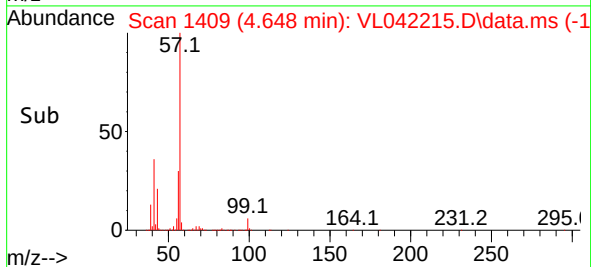
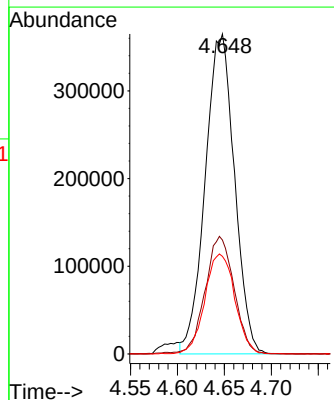
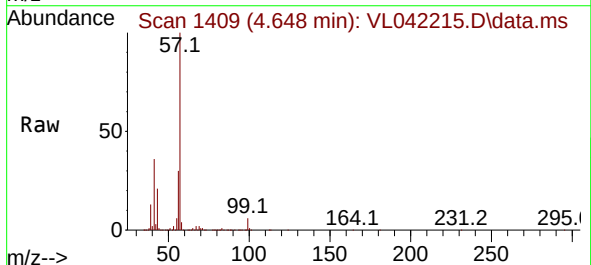
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

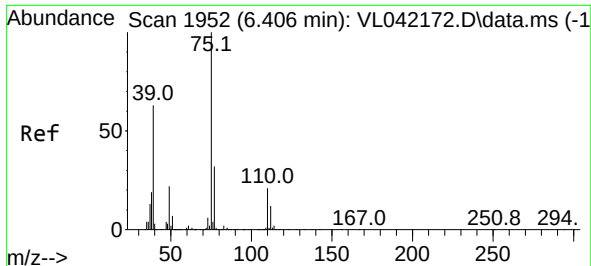
Tgt Ion: 69 Resp: 184838
Ion Ratio Lower Upper
69 100
41 155.2 123.8 185.6
100 36.6 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 9.069 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.013 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 57 Resp: 789050
Ion Ratio Lower Upper
57 100
41 36.7 26.8 40.2
56 32.2 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 8.407 ppbv

RT: 6.422 min Scan# 1952

Delta R.T. 0.016 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_1

ClientSampleId :

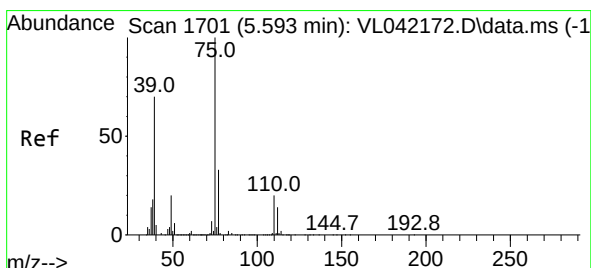
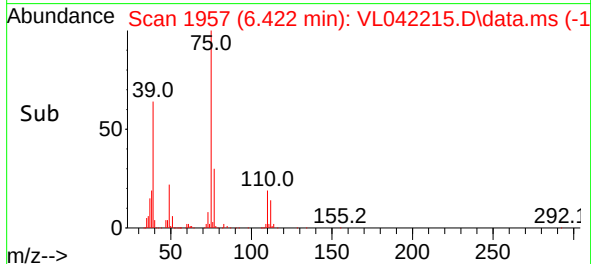
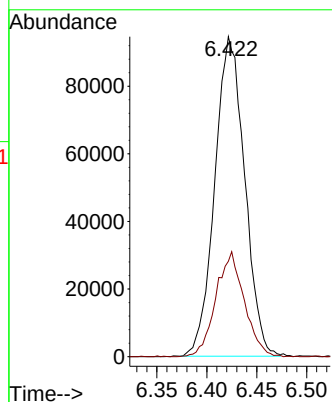
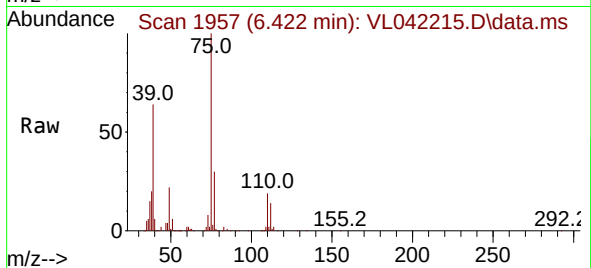
VSTDCCC010

Tgt Ion: 75 Resp: 196583

Ion Ratio Lower Upper

75 100

77 29.8 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 8.677 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.016 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

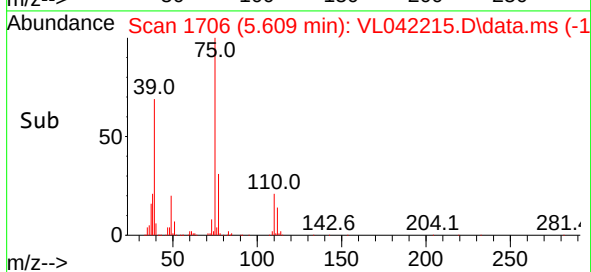
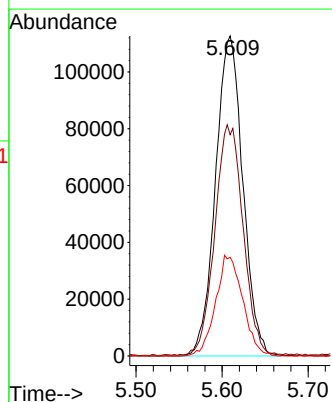
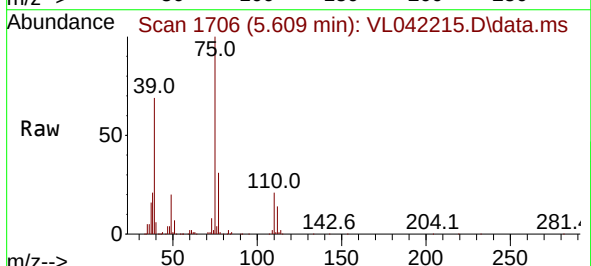
Tgt Ion: 75 Resp: 248725

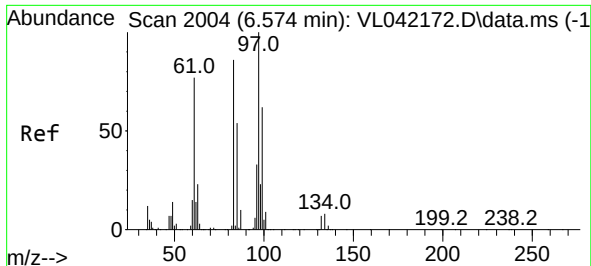
Ion Ratio Lower Upper

75 100

39 68.7 55.8 83.6

77 30.8 26.0 39.0

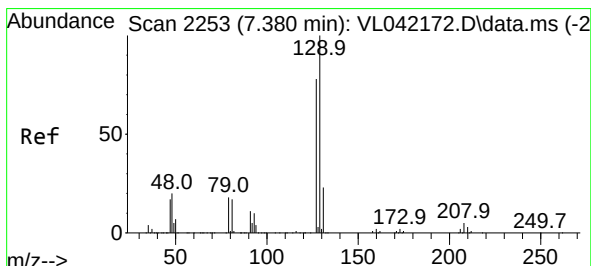
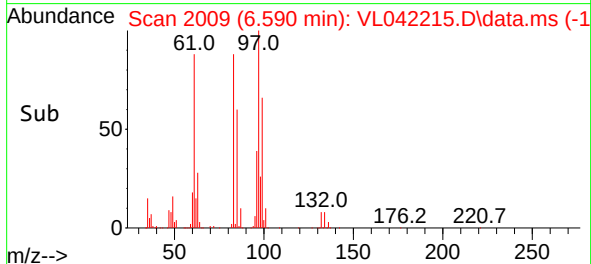
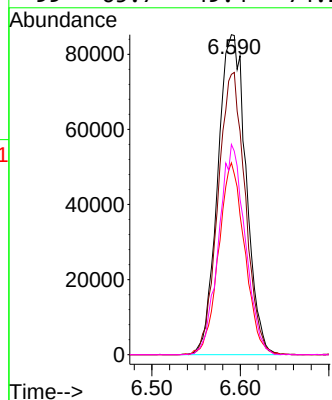
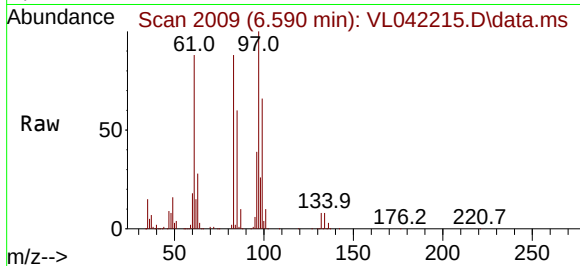




#47
 1,1,2-Trichloroethane
 Concen: 9.533 ppbv
 RT: 6.590 min Scan# 2009
 Delta R.T. 0.016 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

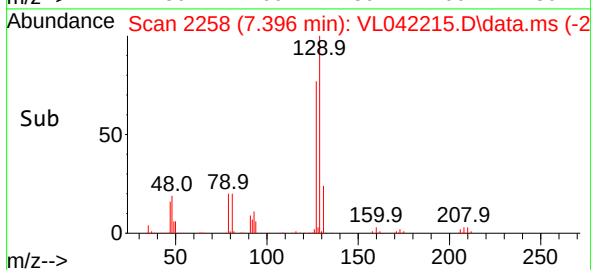
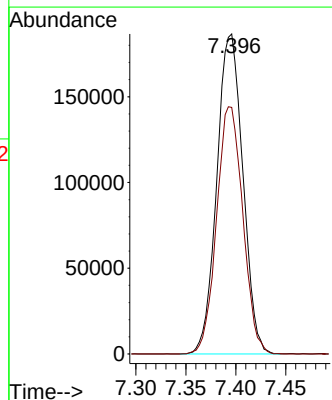
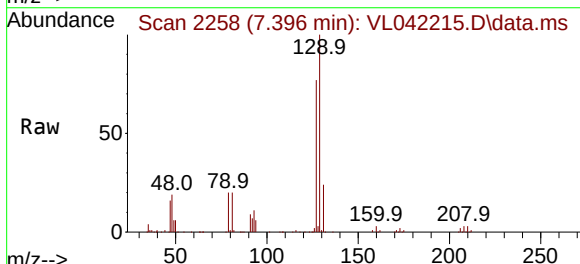
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

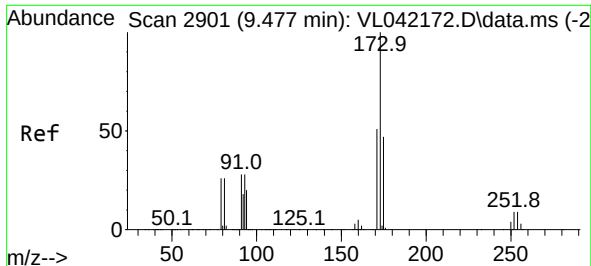
Tgt Ion: 97	Resp: 188954
Ion Ratio	Lower Upper
97 100	
83 87.5	69.2 103.8
85 60.0	43.1 64.7
99 65.7	49.4 74.2



#48
 Dibromochloromethane
 Concen: 10.081 ppbv
 RT: 7.396 min Scan# 2258
 Delta R.T. 0.016 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

Tgt Ion:129	Resp: 338657
Ion Ratio	Lower Upper
129 100	
127 77.8	39.1 117.2

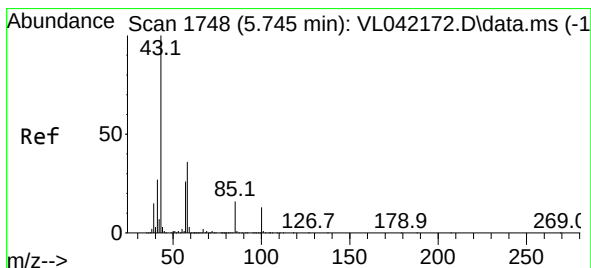
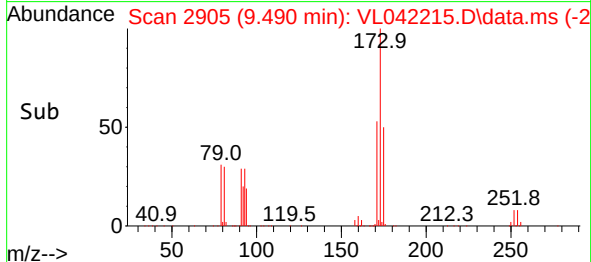
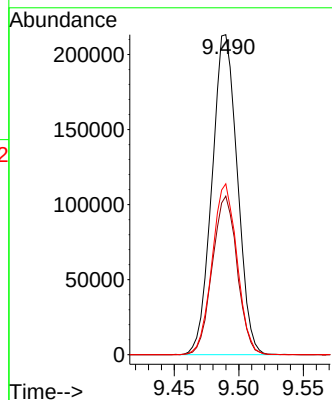
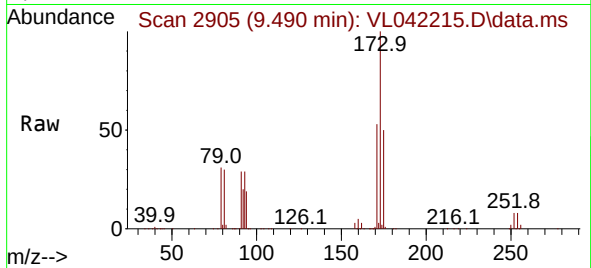




#49
Bromoform
Concen: 9.671 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. 0.013 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

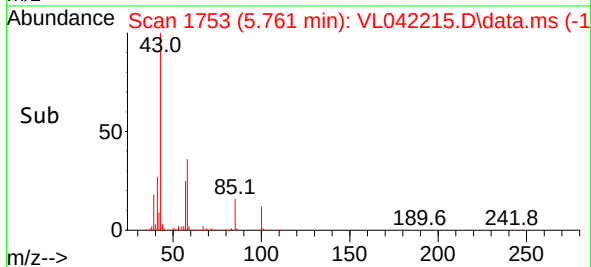
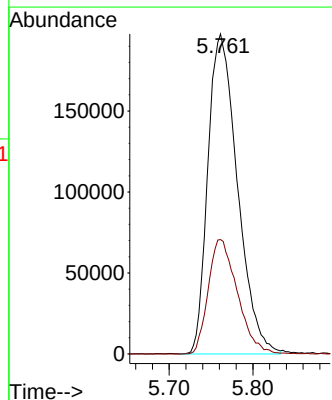
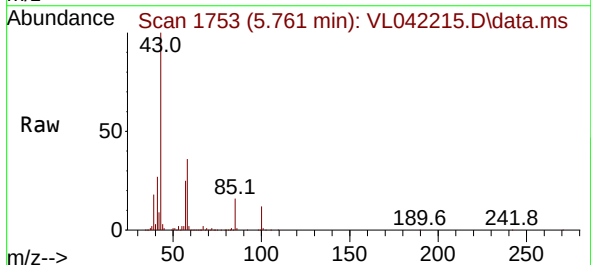
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

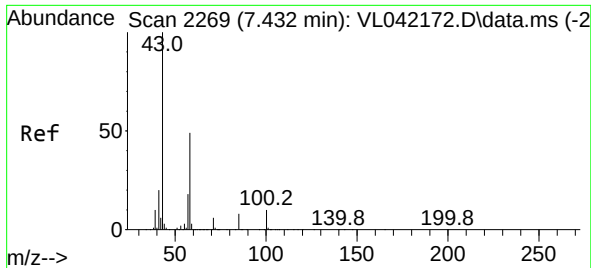
Tgt Ion:173 Resp: 291660
Ion Ratio Lower Upper
173 100
175 48.5 38.6 57.8
171 52.3 41.8 62.6



#50
4-Methyl-2-Pentanone
Concen: 8.136 ppbv
RT: 5.761 min Scan# 1753
Delta R.T. 0.016 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 43 Resp: 485587
Ion Ratio Lower Upper
43 100
58 35.3 29.0 43.6

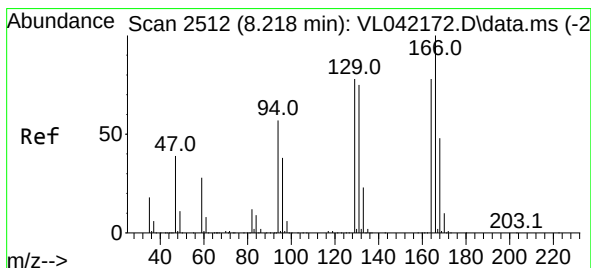
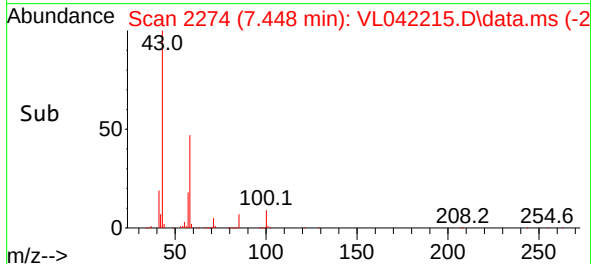
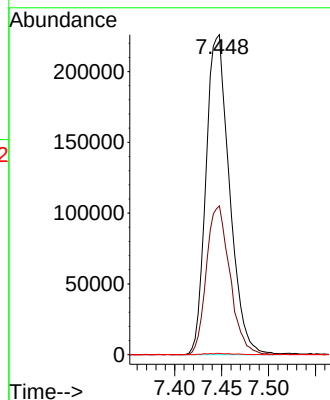
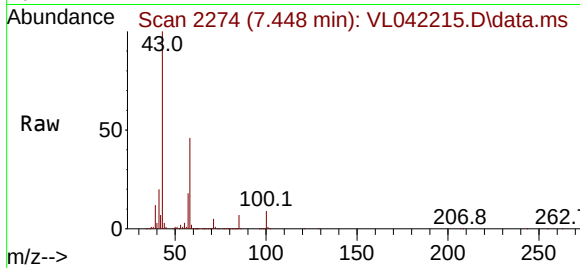




#51
2-Hexanone
Concen: 8.024 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

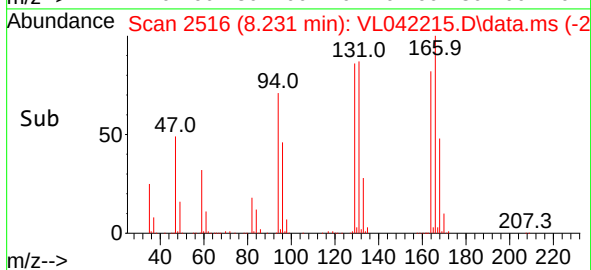
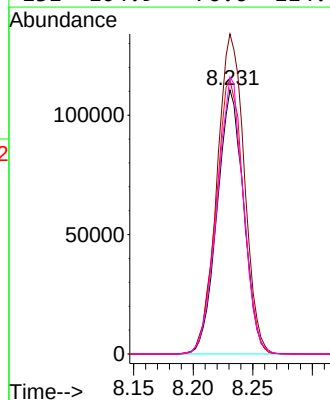
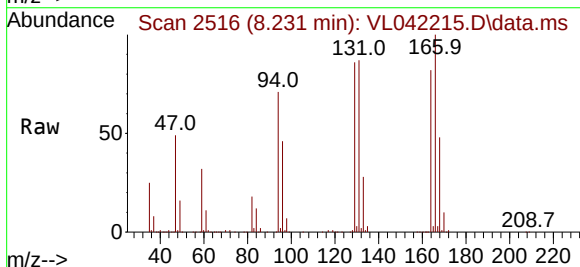
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

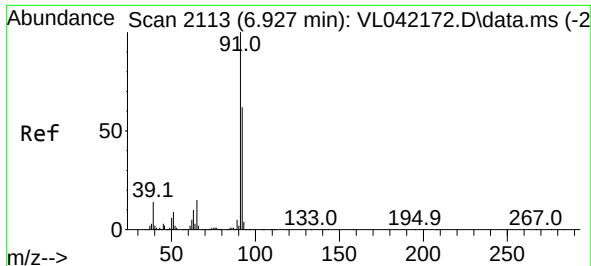
Tgt Ion: 43 Resp: 393233
Ion Ratio Lower Upper
43 100
58 46.6 39.7 59.5
98 0.5 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.351 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.013 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 164 Resp: 170524
Ion Ratio Lower Upper
164 100
166 121.2 102.5 153.7
129 103.7 79.8 119.8
131 104.9 76.6 114.8

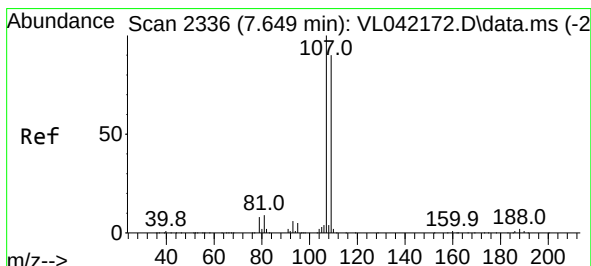
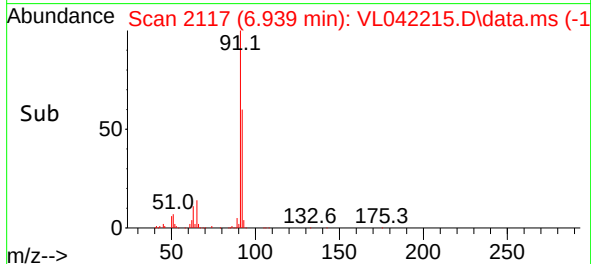
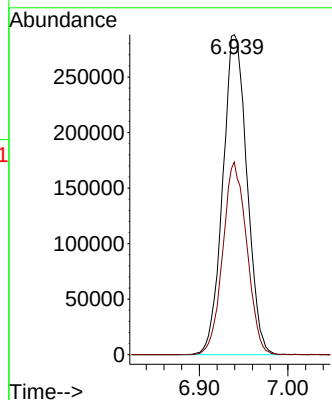
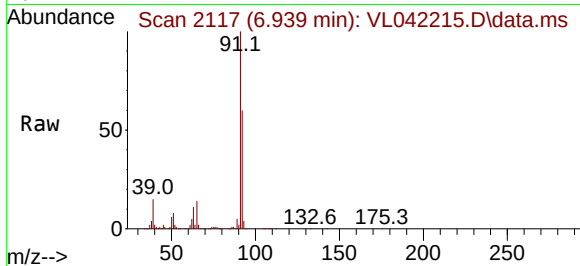




#53
Toluene
Concen: 8.982 ppbv
RT: 6.939 min Scan# 2113
Delta R.T. 0.013 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

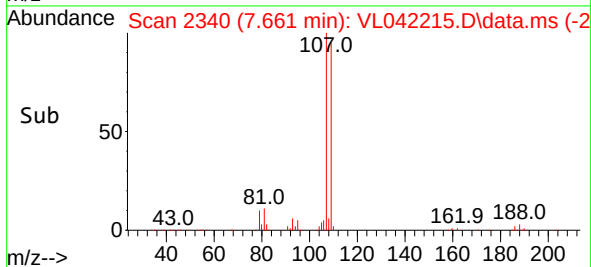
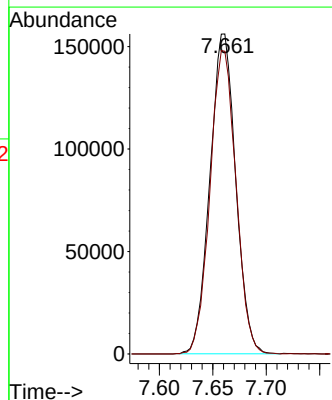
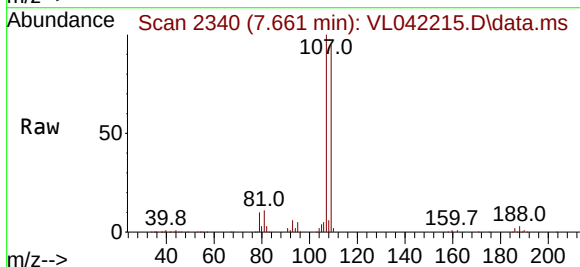
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

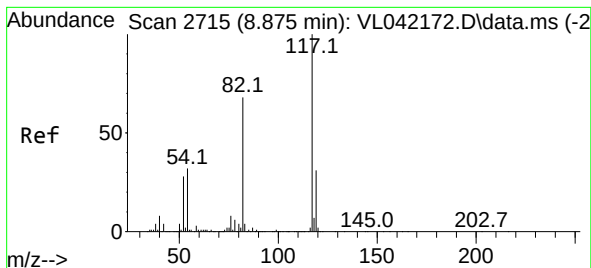
Tgt Ion: 91 Resp: 548226
Ion Ratio Lower Upper
91 100
92 59.6 48.4 72.6



#54
1,2-Dibromoethane
Concen: 9.493 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.013 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 107 Resp: 262312
Ion Ratio Lower Upper
107 100
109 94.6 72.2 108.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2715

Delta R.T. 0.013 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

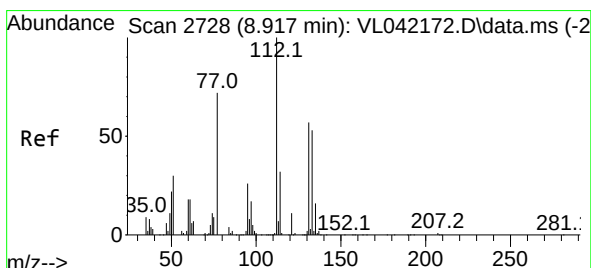
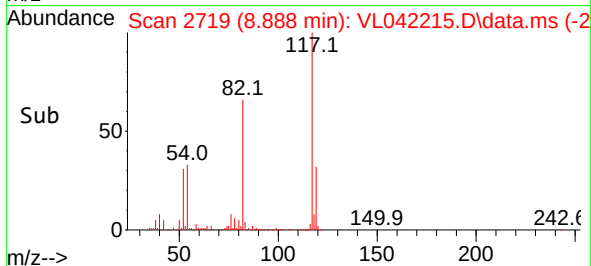
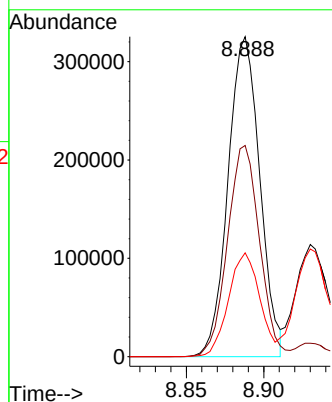
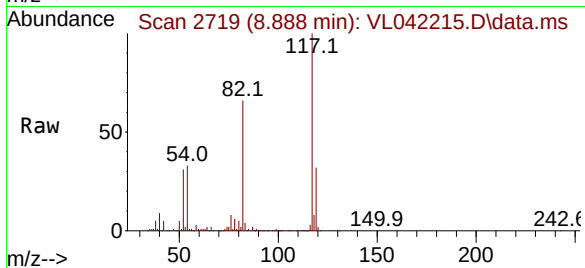
Tgt Ion:117 Resp: 464975

Ion Ratio Lower Upper

117 100

82 70.5 55.8 83.6

119 32.7 25.5 38.3



#56

1,1,1,2-Tetrachloroethane

Concen: 10.373 ppbv

RT: 8.930 min Scan# 2732

Delta R.T. 0.013 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

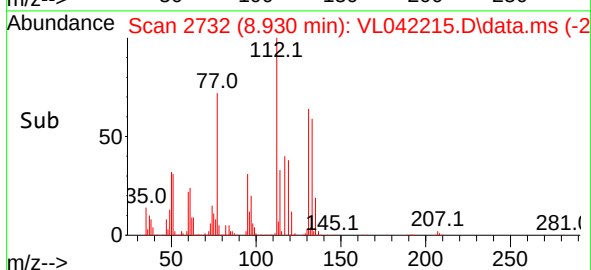
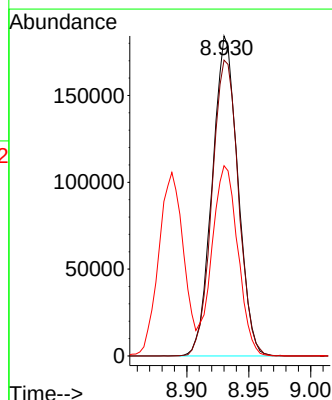
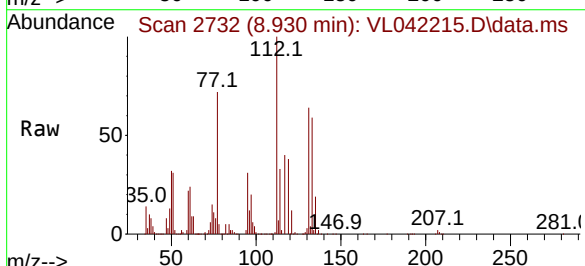
Tgt Ion:131 Resp: 265488

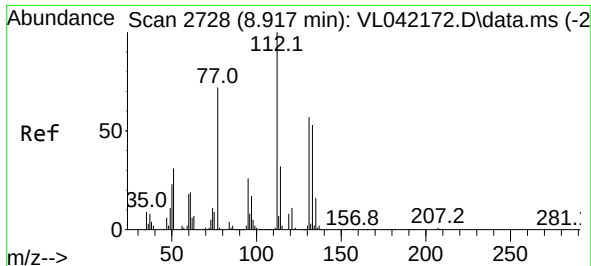
Ion Ratio Lower Upper

131 100

133 95.4 76.6 114.8

119 57.3 49.8 74.6





#57

Chlorobenzene

Concen: 9.878 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

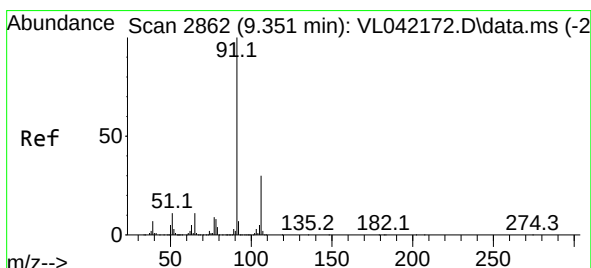
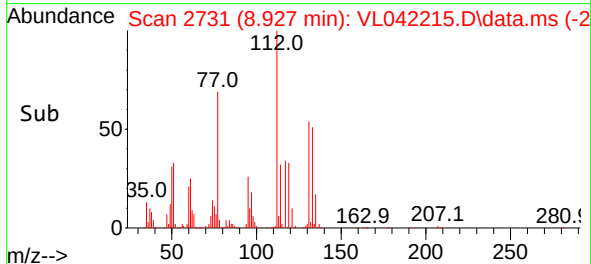
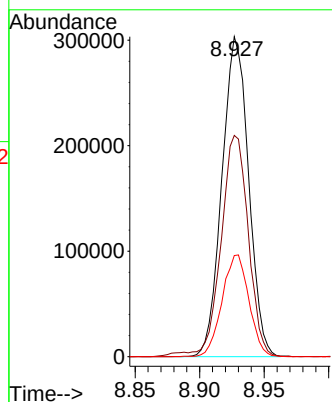
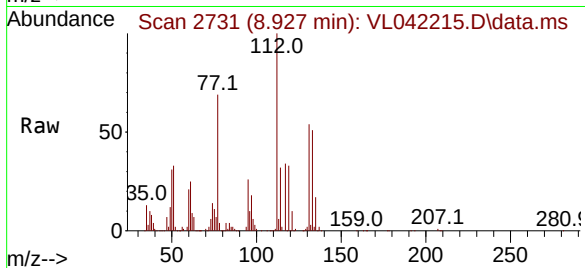
Tgt Ion:112 Resp: 435637

Ion Ratio Lower Upper

112 100

77 69.0 58.2 87.2

114 31.6 29.1 35.5



#58

Ethyl Benzene

Concen: 9.535 ppbv

RT: 9.360 min Scan# 2865

Delta R.T. 0.009 min

Lab File: VL042215.D

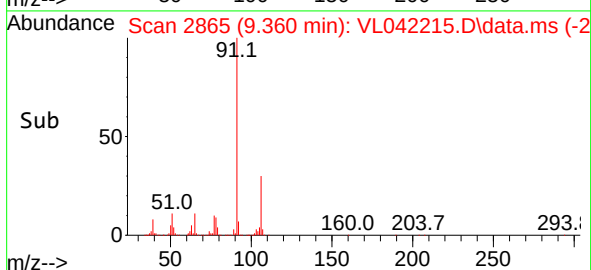
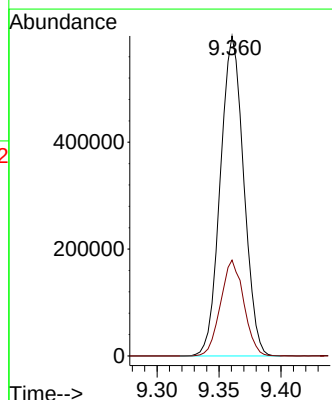
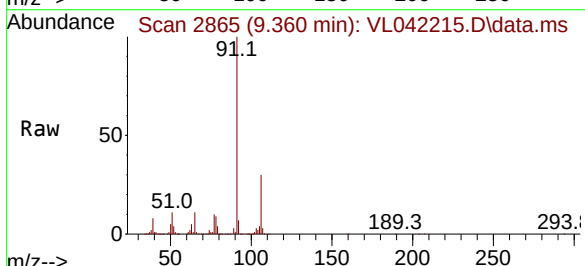
Acq: 04 Apr 2025 08:58

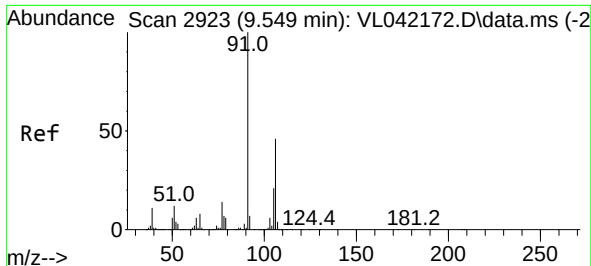
Tgt Ion: 91 Resp: 787508

Ion Ratio Lower Upper

91 100

106 29.9 24.2 36.2





#59

m/p-Xylene

Concen: 9.111 ppbv

RT: 9.558 min Scan# 2926

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

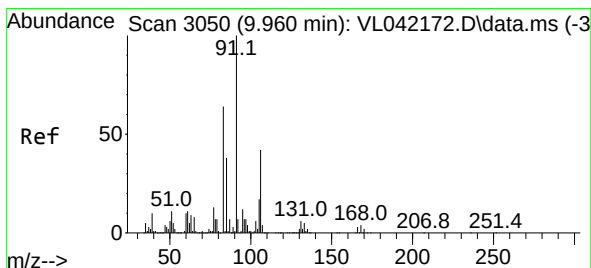
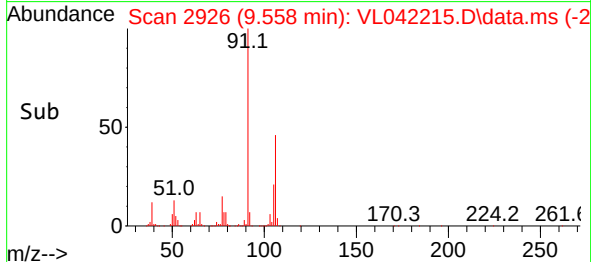
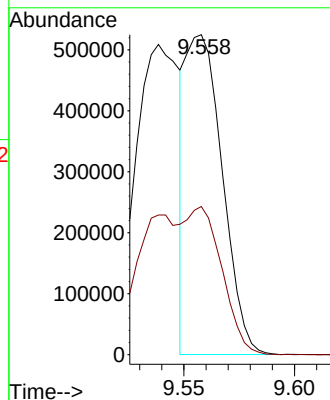
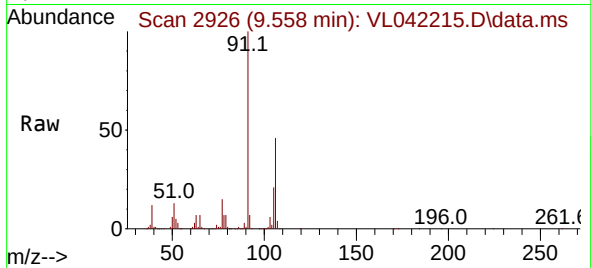
VSTDCCC010

Tgt Ion: 91 Resp: 600901

Ion Ratio Lower Upper

91 100

106 99.1 36.4 54.6#



#60

o-Xylene

Concen: 9.808 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.009 min

Lab File: VL042215.D

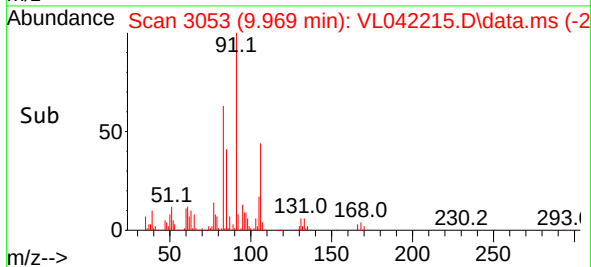
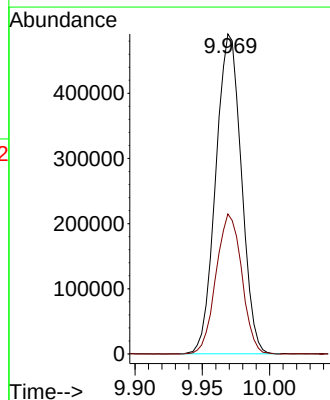
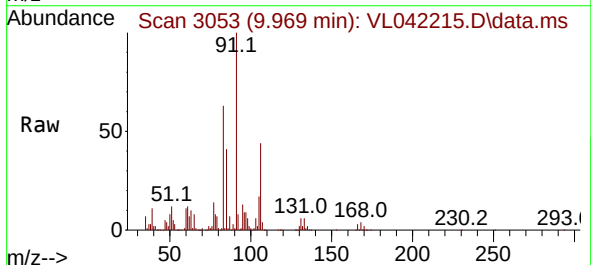
Acq: 04 Apr 2025 08:58

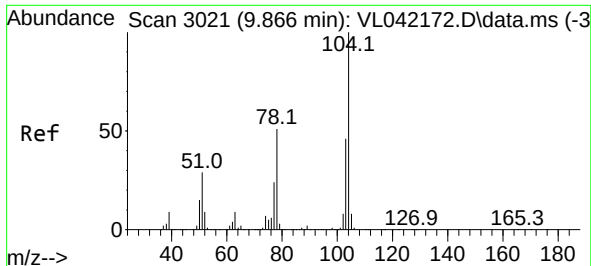
Tgt Ion: 91 Resp: 648429

Ion Ratio Lower Upper

91 100

106 44.1 20.8 62.5





#61

Styrene

Concen: 9.397 ppbv

RT: 9.875 min Scan# 3021

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

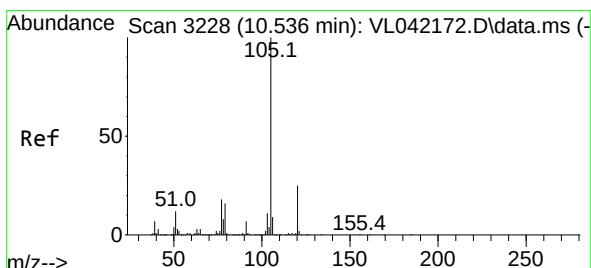
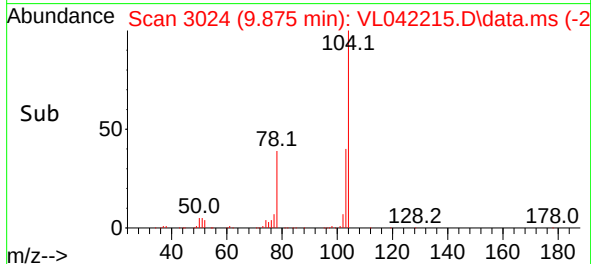
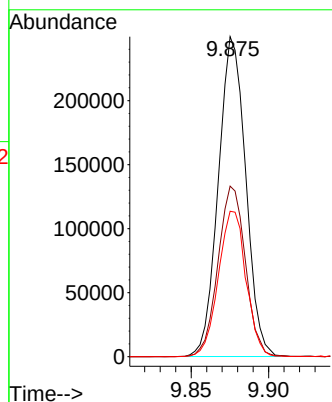
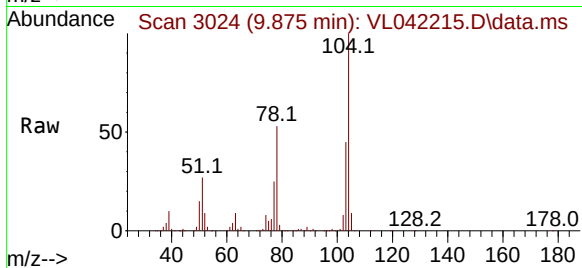
Tgt Ion:104 Resp: 307359

Ion Ratio Lower Upper

104 100

78 53.4 41.8 62.6

103 46.0 37.0 55.4



#62

Isopropylbenzene

Concen: 10.024 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. 0.009 min

Lab File: VL042215.D

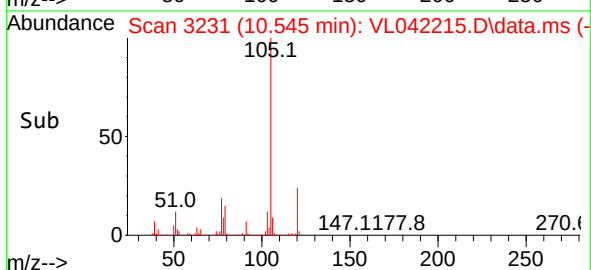
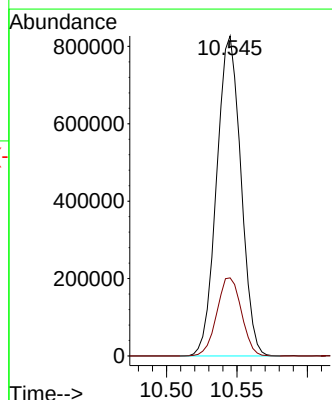
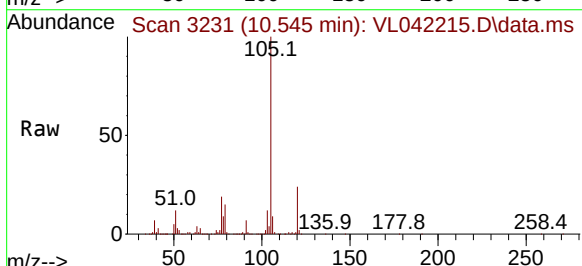
Acq: 04 Apr 2025 08:58

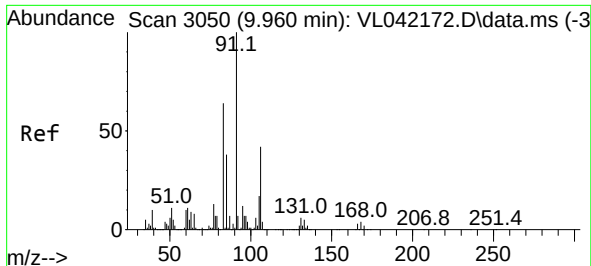
Tgt Ion:105 Resp: 991027

Ion Ratio Lower Upper

105 100

120 24.8 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 10.079 ppbv

RT: 9.969 min Scan# 3050

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

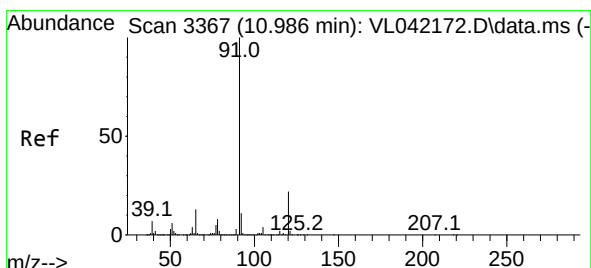
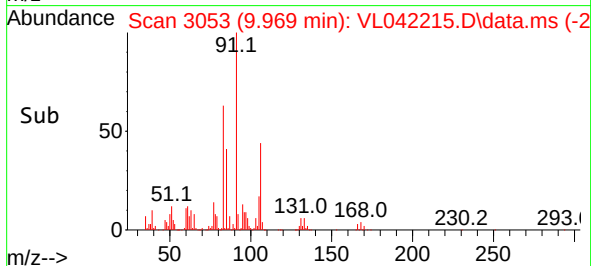
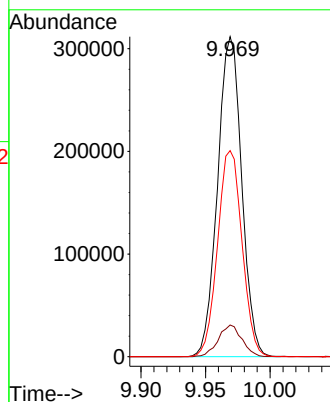
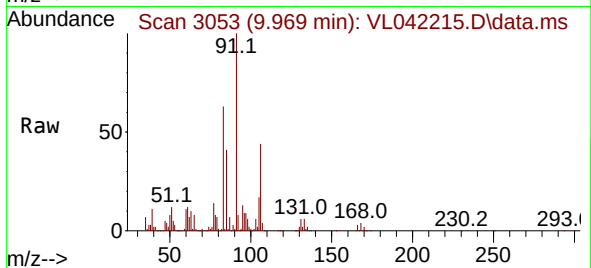
Tgt Ion: 83 Resp: 404850

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

85 65.2 32.5 97.5



#64

n-propylbenzene

Concen: 10.364 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.009 min

Lab File: VL042215.D

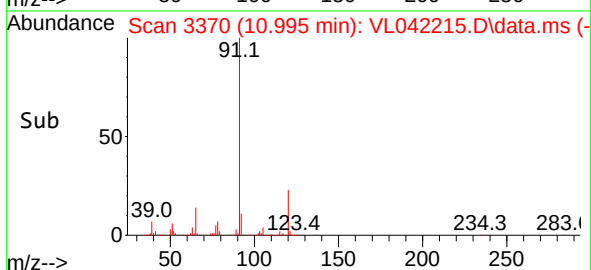
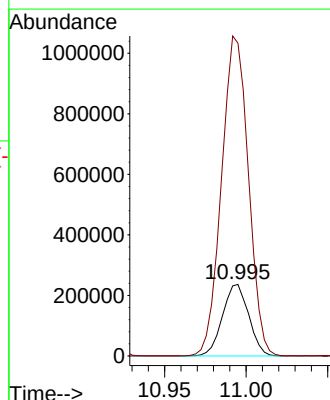
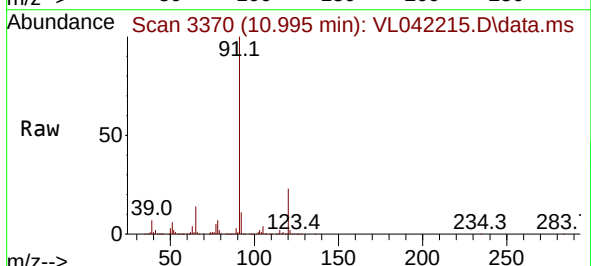
Acq: 04 Apr 2025 08:58

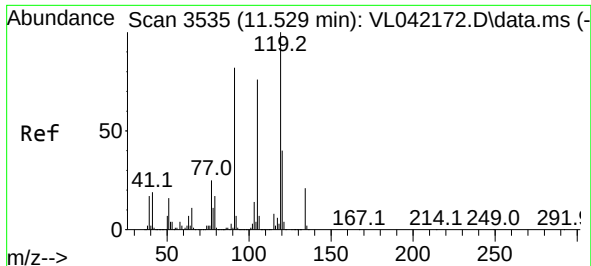
Tgt Ion: 120 Resp: 263771

Ion Ratio Lower Upper

120 100

91 459.3 376.9 565.3

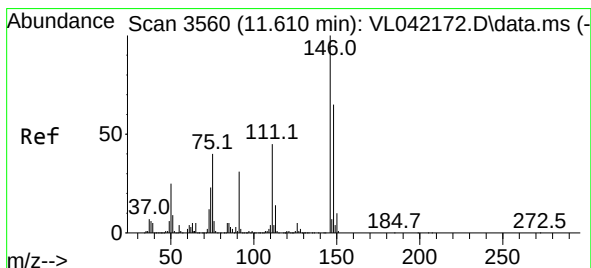
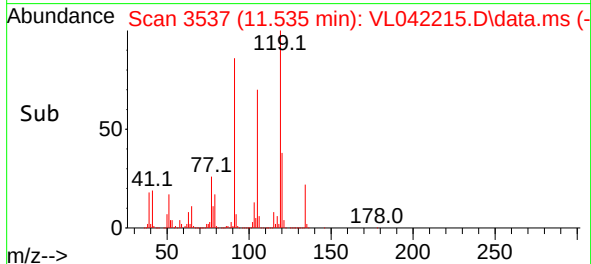
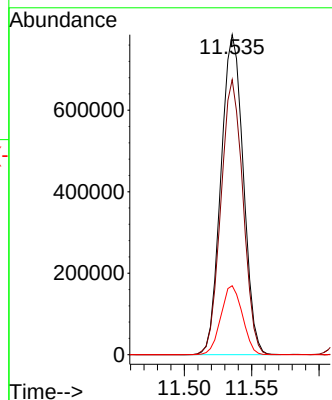
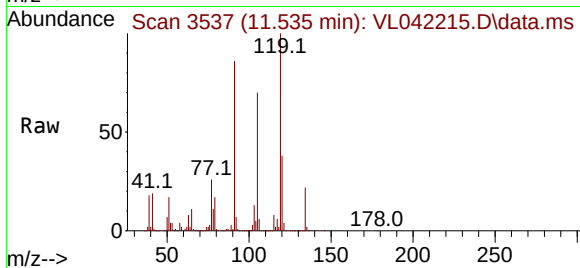




#65
tert-Butylbenzene
Concen: 9.898 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. 0.006 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

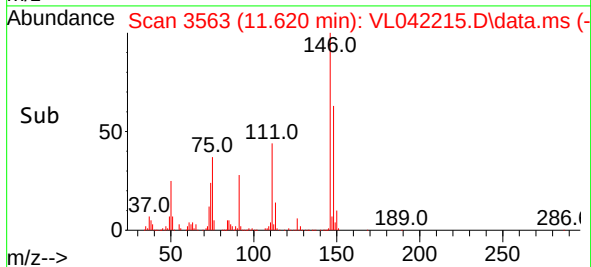
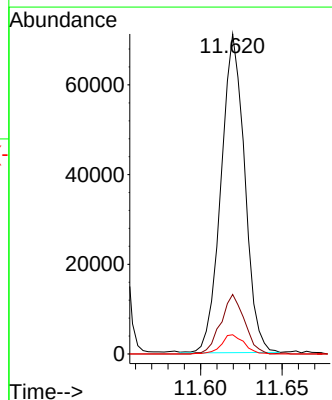
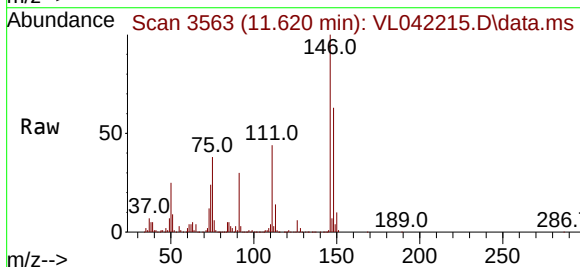
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

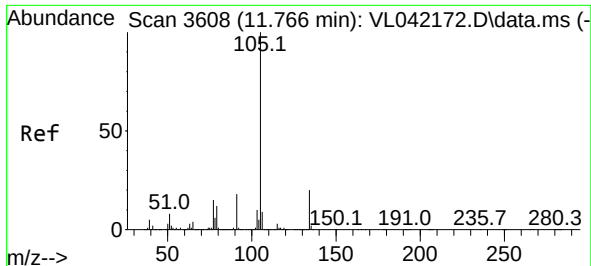
Tgt Ion:119 Resp: 904984
Ion Ratio Lower Upper
119 100
91 84.9 66.0 99.0
134 20.8 16.7 25.1



#66
Benzyl Chloride
Concen: 7.388 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.009 min
Lab File: VL042215.D
Acq: 04 Apr 2025 08:58

Tgt Ion: 91 Resp: 71677
Ion Ratio Lower Upper
91 100
126 18.8 13.8 20.6
128 5.8 4.5 6.7

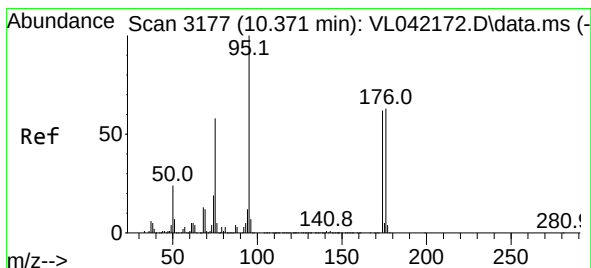
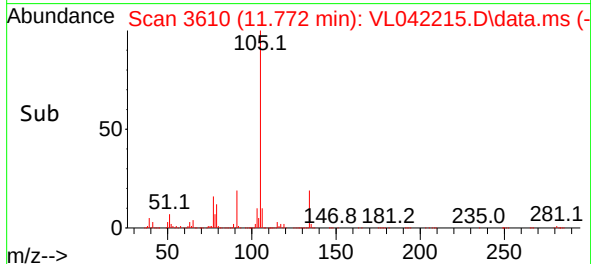
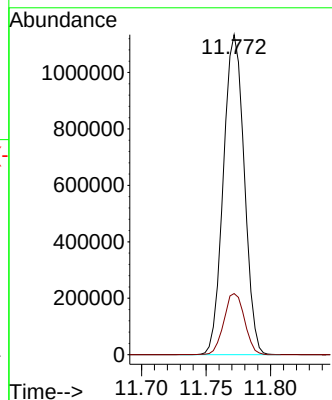
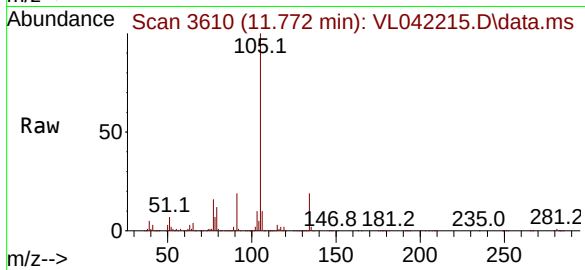




#67
 sec-Butylbenzene
 Concen: 10.009 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.006 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

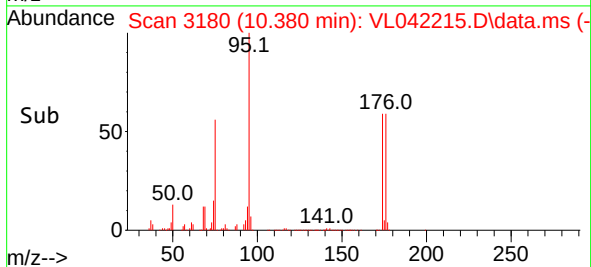
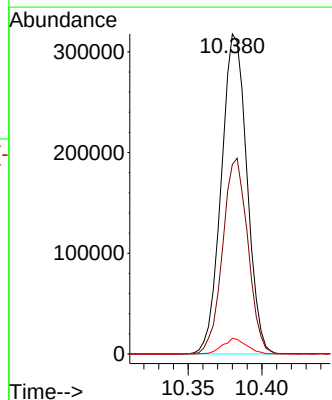
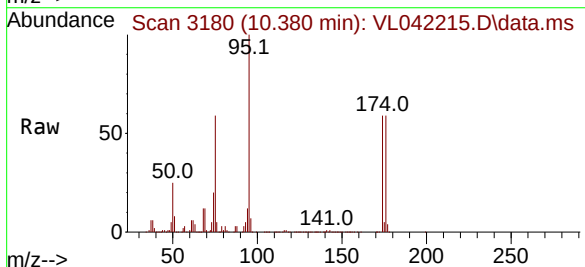
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

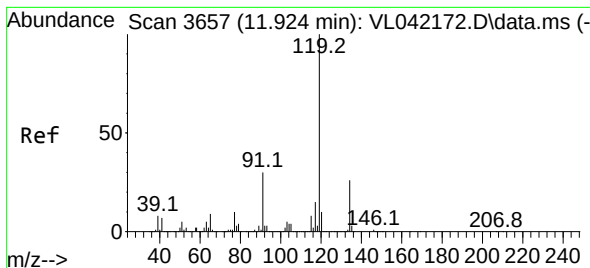
Tgt Ion:105 Resp: 1272047
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.052 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.009 min
 Lab File: VL042215.D
 Acq: 04 Apr 2025 08:58

Tgt Ion: 95 Resp: 383840
 Ion Ratio Lower Upper
 95 100
 174 60.4 50.6 76.0
 175 4.6 3.8 5.6





#69

p-Isopropyltoluene

Concen: 10.022 ppbv

RT: 11.930 min Scan# 3659

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

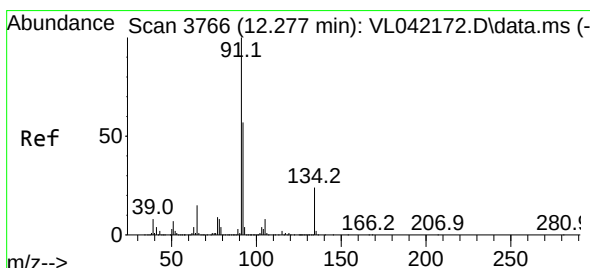
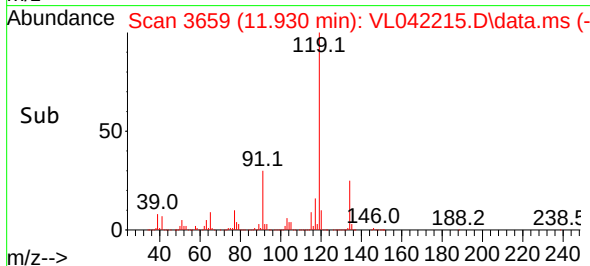
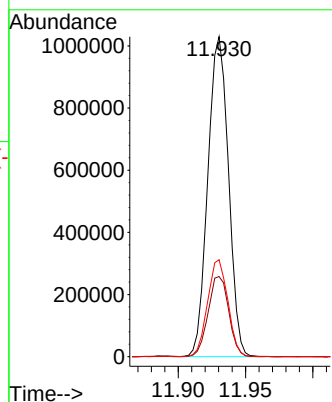
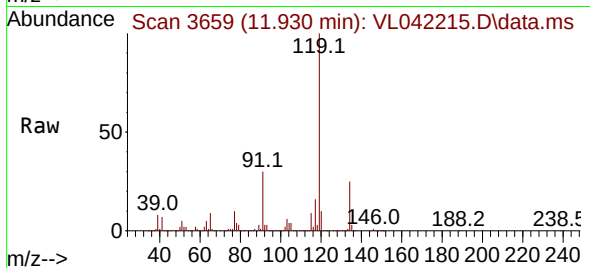
Tgt Ion:119 Resp: 1096744

Ion Ratio Lower Upper

119 100

134 25.2 20.4 30.6

91 29.9 23.7 35.5



#70

n-Butylbenzene

Concen: 10.090 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

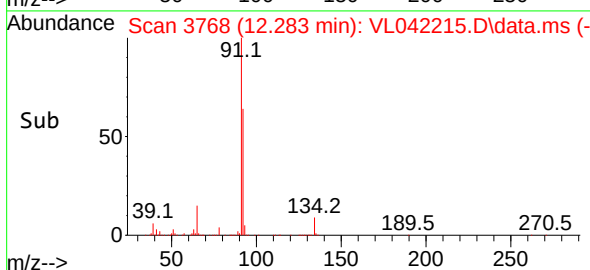
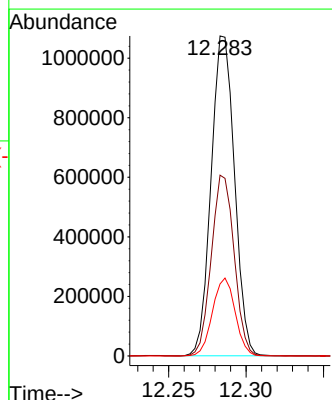
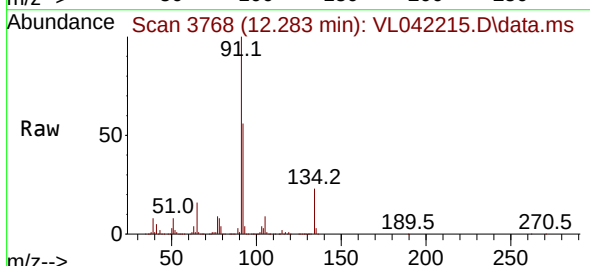
Tgt Ion: 91 Resp: 1129301

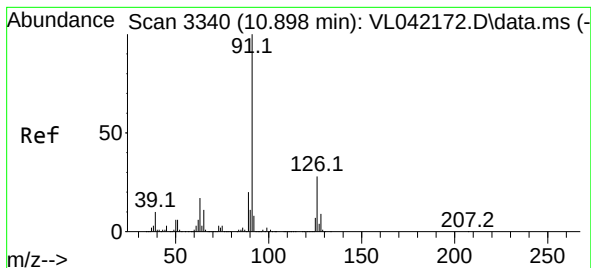
Ion Ratio Lower Upper

91 100

92 55.4 44.9 67.3

134 23.7 19.2 28.8





#71

2-Chlorotoluene

Concen: 10.027 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

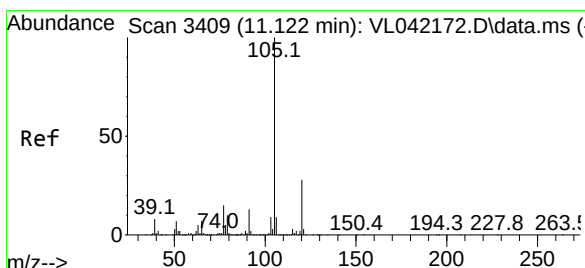
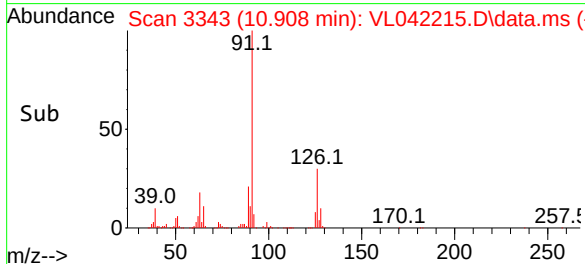
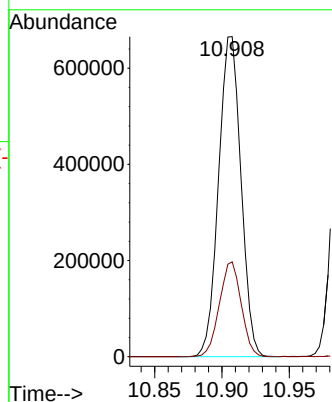
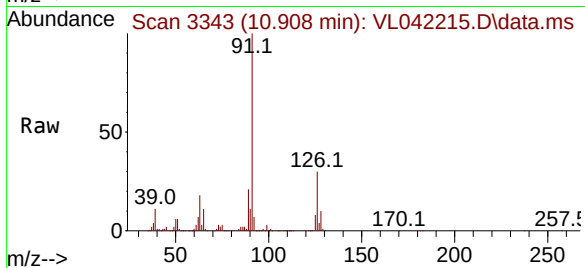
VSTDCCC010

Tgt Ion: 91 Resp: 769367

Ion Ratio Lower Upper

91 100

126 28.9 11.6 46.4



#72

4-Ethyltoluene

Concen: 10.151 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Tgt Ion: 105 Resp: 835598

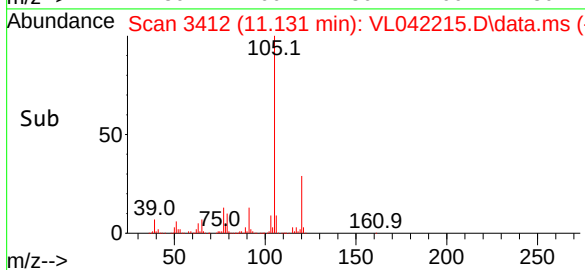
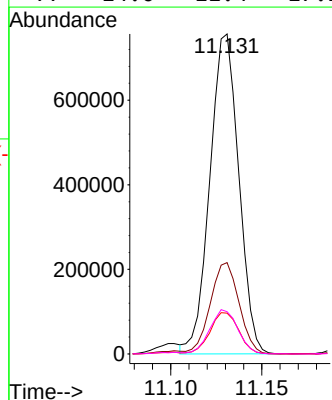
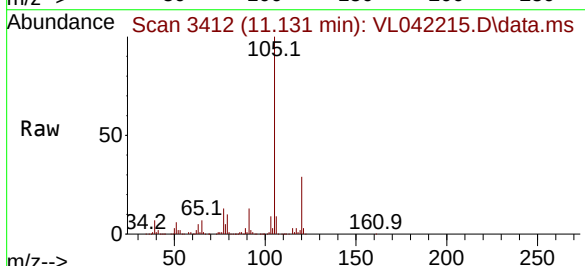
Ion Ratio Lower Upper

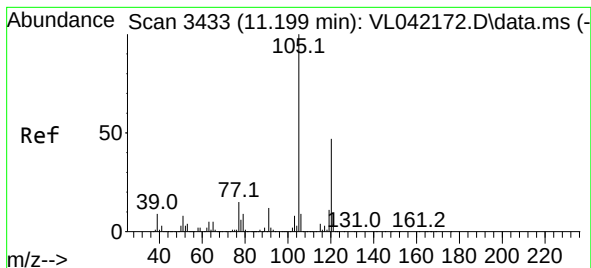
105 100

120 29.3 23.4 35.0

91 13.3 10.3 15.5

77 14.0 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.076 ppbv

RT: 11.209 min Scan# 3433

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_1

ClientSampleId :

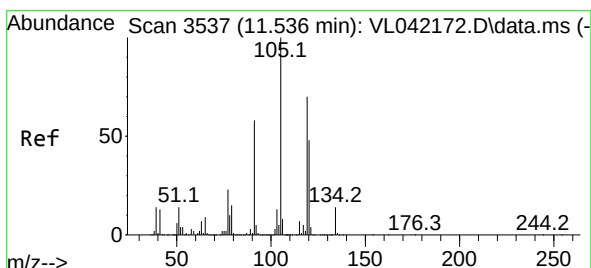
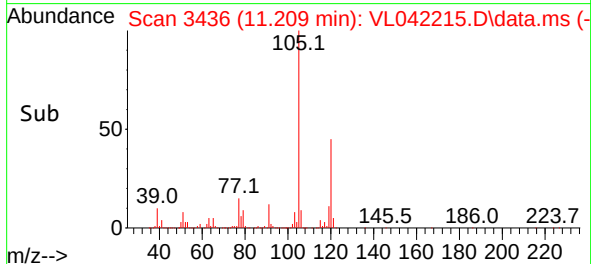
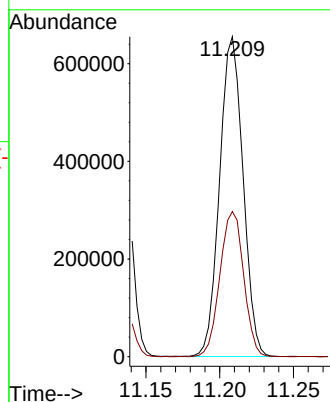
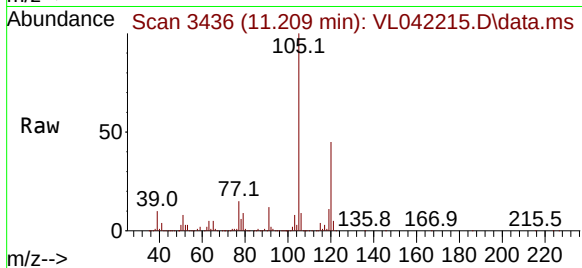
VSTDCCC010

Tgt Ion:105 Resp: 724375

Ion Ratio Lower Upper

105 100

120 45.4 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 9.712 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Tgt Ion:105 Resp: 804419

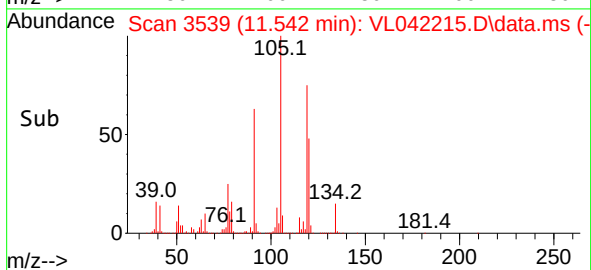
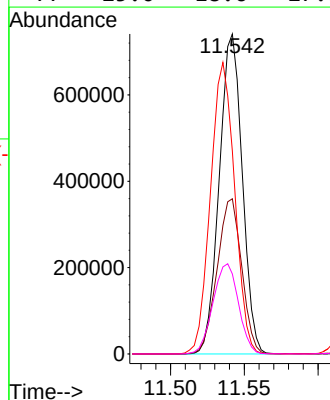
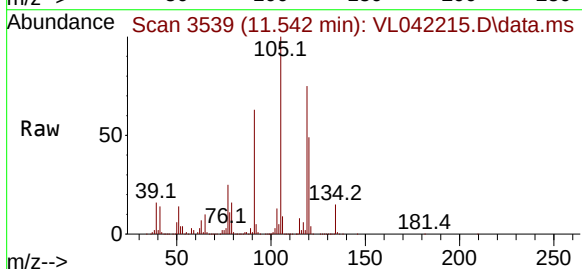
Ion Ratio Lower Upper

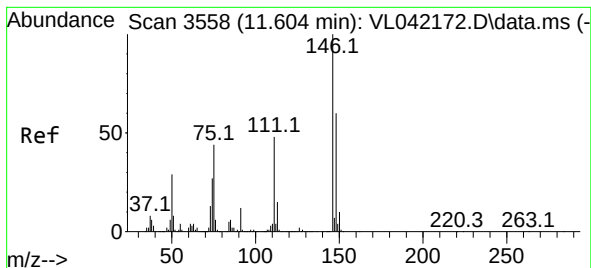
105 100

120 48.5 38.6 58.0

91 63.3 46.2 69.2

77 25.0 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 10.333 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. 0.009 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

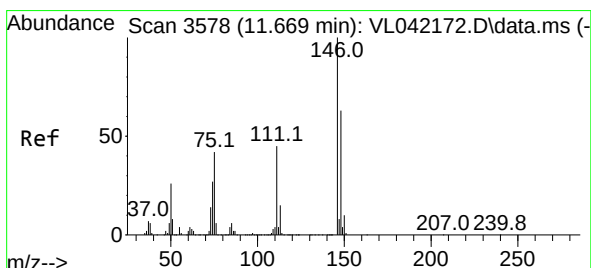
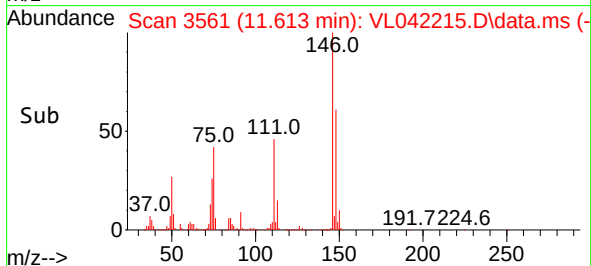
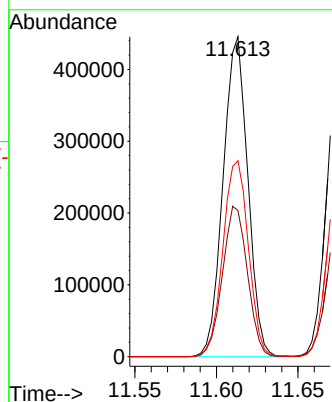
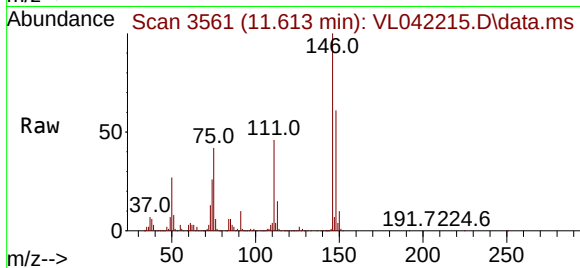
Tgt Ion:146 Resp: 469384

Ion Ratio Lower Upper

146 100

111 47.6 23.8 71.2

148 63.2 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 10.348 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

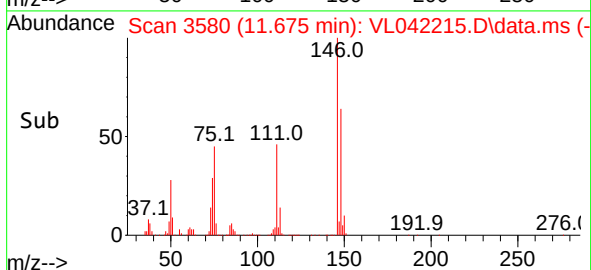
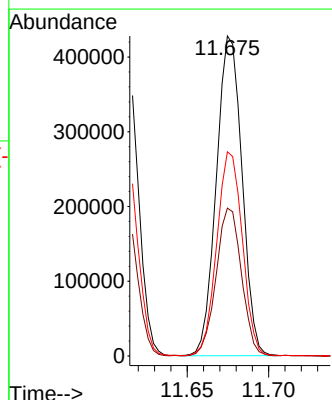
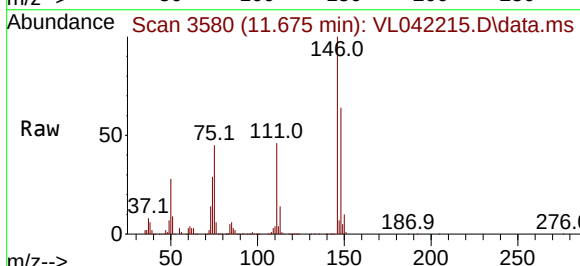
Tgt Ion:146 Resp: 467820

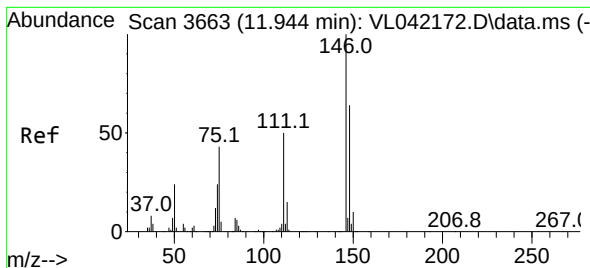
Ion Ratio Lower Upper

146 100

111 45.9 23.0 69.0

148 63.9 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 10.410 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

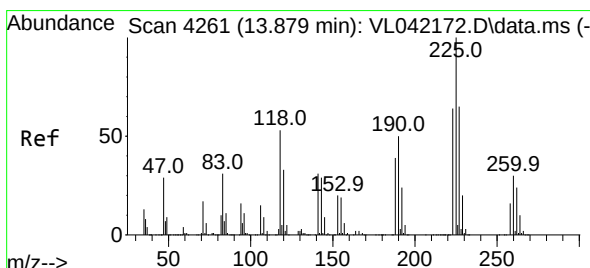
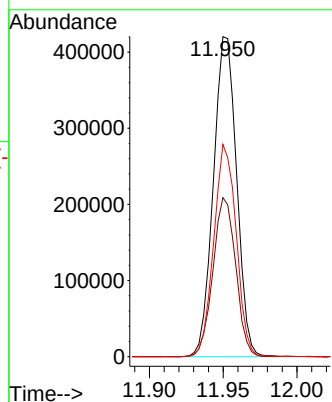
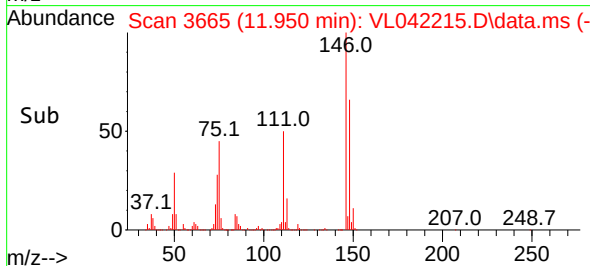
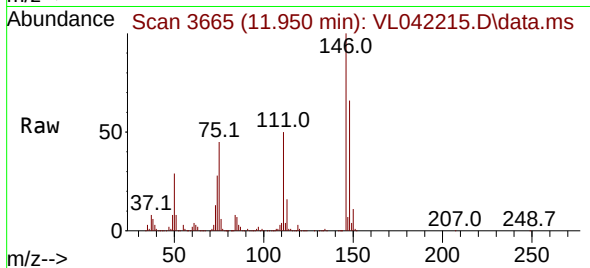
Tgt Ion:146 Resp: 460424

Ion Ratio Lower Upper

146 100

111 48.8 24.8 74.3

148 64.1 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 8.574 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

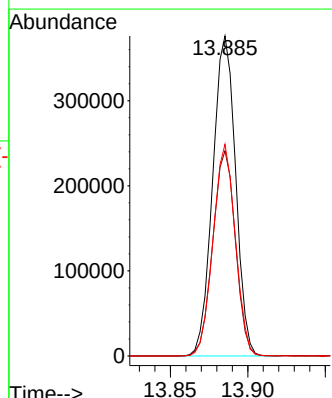
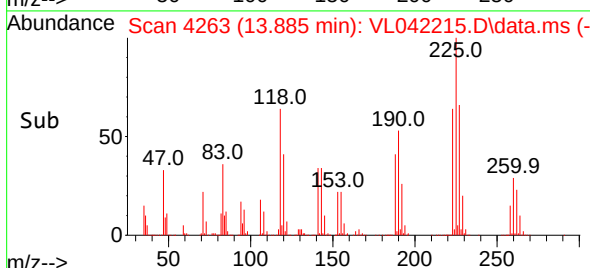
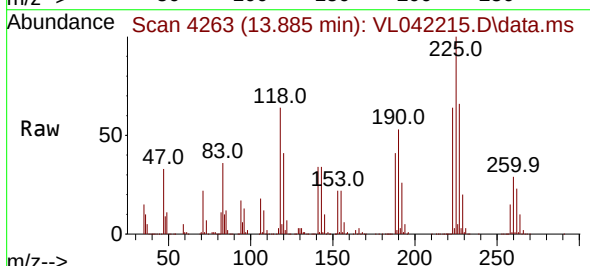
Tgt Ion:225 Resp: 386022

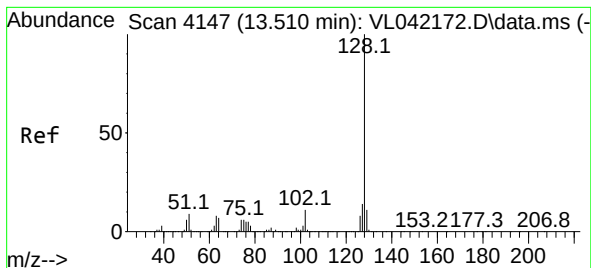
Ion Ratio Lower Upper

225 100

223 63.4 50.6 76.0

227 64.4 51.2 76.8





#79

Naphthalene

Concen: 10.287 ppbv

RT: 13.516 min Scan# 4147

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

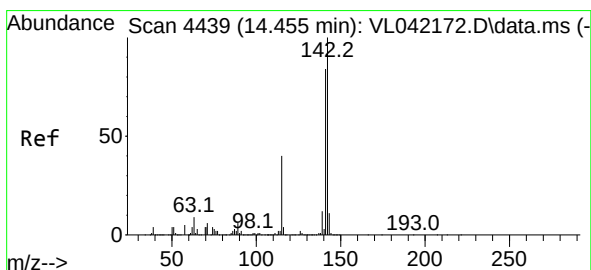
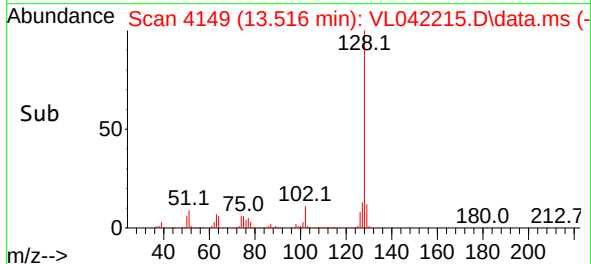
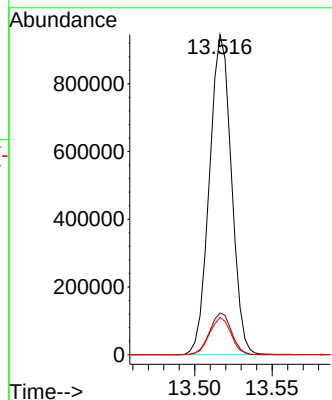
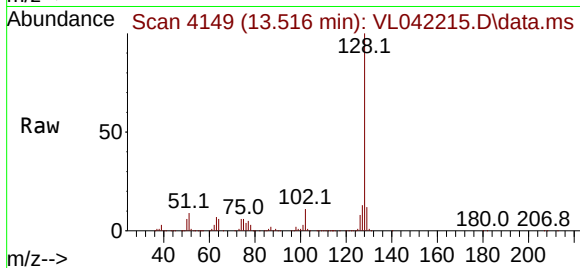
Tgt Ion:128 Resp: 931920

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 11.7 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 10.593 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.006 min

Lab File: VL042215.D

Acq: 04 Apr 2025 08:58

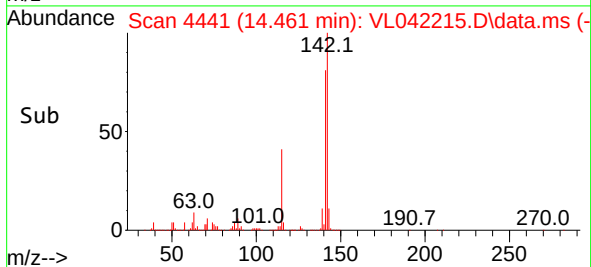
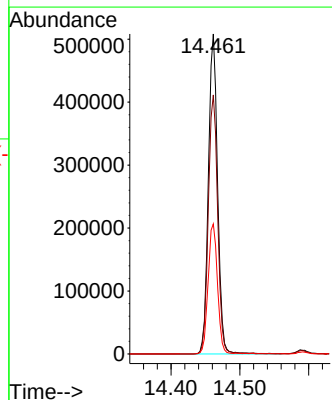
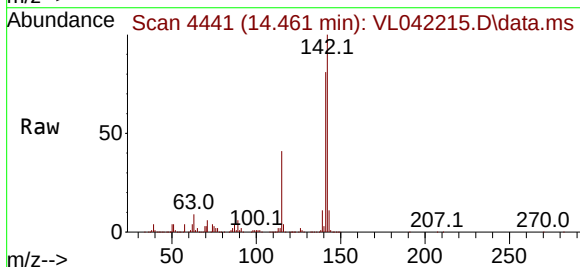
Tgt Ion:142 Resp: 470633

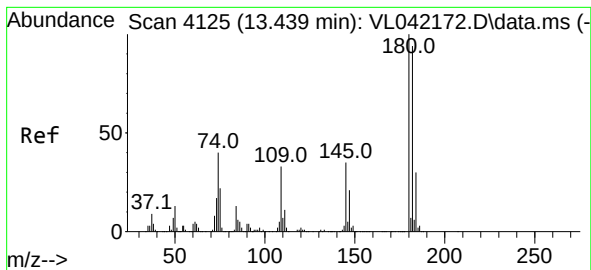
Ion Ratio Lower Upper

142 100

141 82.6 66.3 99.5

115 41.7 31.6 47.4





#81

1,2,4-Trichlorobenzene

Concen: 9.975 ppbv

RT: 13.445 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042215.D

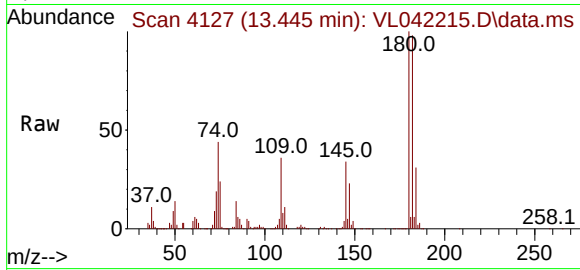
Acq: 04 Apr 2025 08:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 416845

Ion Ratio Lower Upper

180 100

182 93.8 75.1 112.7

184 29.9 24.4 36.6

