

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042253.D
 Acq On : 08 Apr 2025 08:39
 Operator : SY/MD
 Sample : VSTDC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC010

Quant Time: Apr 09 01:50:44 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	2.800	49	192748	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	496271	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	446954	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	366722	9.991	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	273431	9.608	ppbv	99
3) Chlorodifluoromethane	1.483	51	290289	9.985	ppbv	99
4) Chloromethane	1.538	50	113157	9.729	ppbv	98
5) Vinyl Chloride	1.586	62	106450	8.637	ppbv	94
6) Bromomethane	1.674	94	47897	9.087	ppbv	99
7) Chloroethane	1.712	64	43021	9.215	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	231550	9.554	ppbv	93
9) Propene	1.489	41	107995	8.104	ppbv	98
10) Heptane	5.011	43	334651	9.441	ppbv	99
11) Trichlorofluoromethane	1.884	101	263560	9.518	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.149	101	204093	8.967	ppbv	96
13) Ethanol	1.729	45	5903	4.686	ppbv	92
14) Bromoethene	1.790	108	73578	8.438	ppbv	99
15) Acetone	1.842	43	233895	8.677	ppbv	96
16) 1,3-Butadiene	1.615	39	113699	8.637	ppbv	97
17) tert-Butyl alcohol	2.049	59	264061	7.865	ppbv	98
18) 1,1-Dichloroethene	2.043	96	89526	8.414	ppbv	96
19) Isopropyl Alcohol	1.894	45	131605	8.653	ppbv	98
20) Methylene Chloride	2.072	84	78560	7.825	ppbv	96
21) Allyl Chloride	2.107	41	163305	8.590	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	106297	8.643	ppbv	98
23) Vinyl Acetate	2.476	43	96990	8.313	ppbv #	97
24) 1,1-Dichloroethane	2.421	63	214800	9.422	ppbv	98
25) Ethyl Acetate	2.852	43	678925	9.704	ppbv	99
26) Hexane	2.839	57	257513	9.529	ppbv	97
27) Carbon Disulfide	2.159	76	253909	8.762	ppbv	98
28) Methyl tert-Butyl Ether	2.454	73	135921	8.078	ppbv	97
29) Chloroform	2.861	83	407591	10.306	ppbv	98
30) Cyclohexane	3.878	84	207216	8.831	ppbv	98
31) cis-1,2-Dichloroethene	2.735	61	249595	9.098	ppbv	95
32) 1,1,1-Trichloroethane	3.386	97	403665	8.915	ppbv	97
34) 2-Butanone	2.570	43	375791	10.443	ppbv	99
35) Carbon Tetrachloride	3.784	117	423863	10.934	ppbv	99
36) Benzene	3.677	78	514967	10.467	ppbv	98
37) 1,2-Dichloroethane	3.237	62	313194	11.119	ppbv	99
38) Trichloroethene	4.574	130	205933	10.032	ppbv	96
39) 1,2-Dichloropropane	4.341	63	188150	10.501	ppbv	93
40) 1,4-Dioxane	4.613	88	89479	9.409	ppbv #	96
41) Tetrahydrofuran	3.072	42	208736	10.073	ppbv	96
42) Bromodichloromethane	4.515	83	436058	11.230	ppbv	98
43) Methyl Methacrylate	4.910	69	193449	9.288	ppbv	99
44) 2,2,4-Trimethylpentane	4.664	57	888509	10.687	ppbv	97
45) t-1,3-Dichloropropene	6.451	75	184866	8.273	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

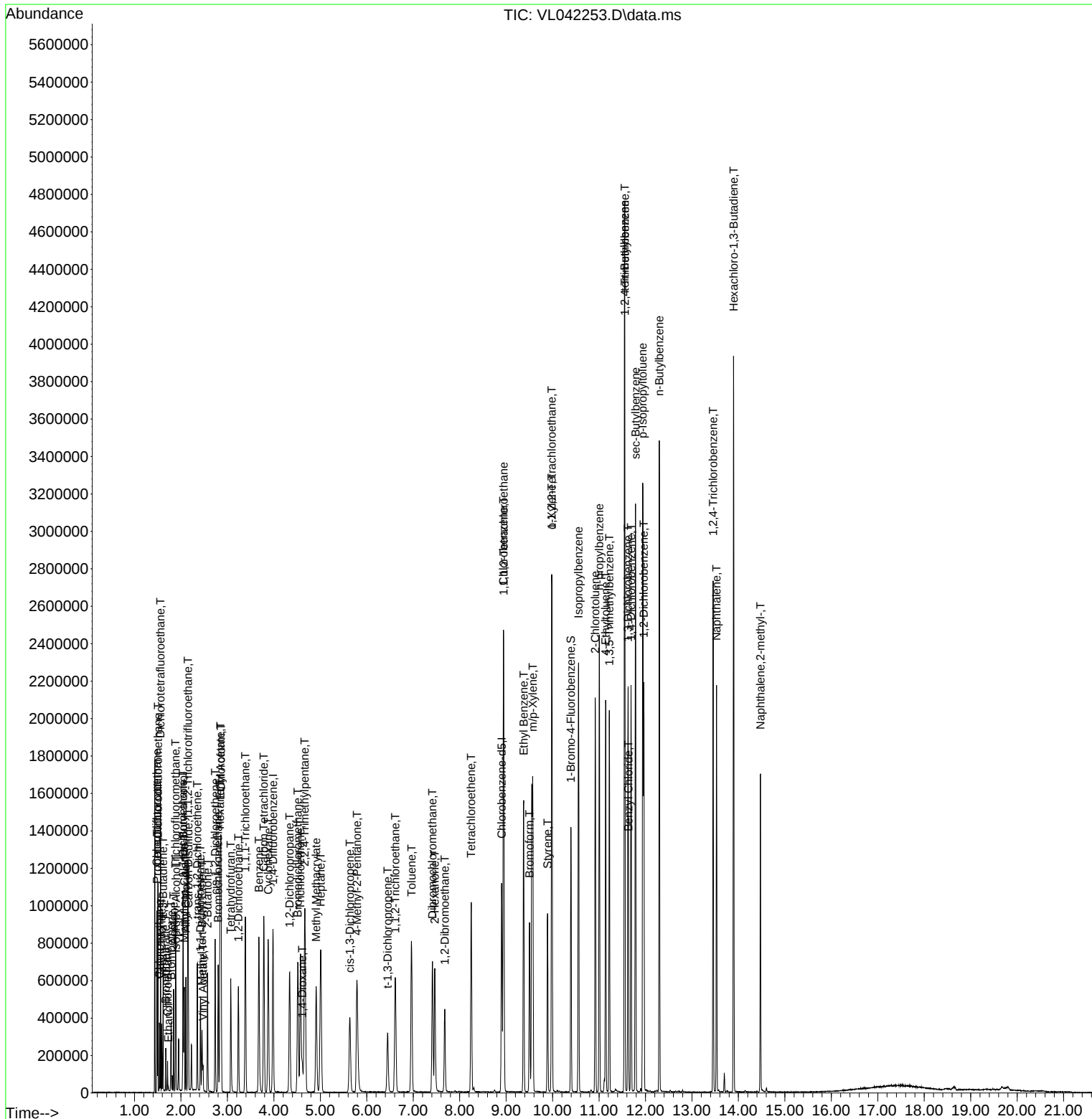
Instrument :
 MSVOA_L
 ClientSampleId :
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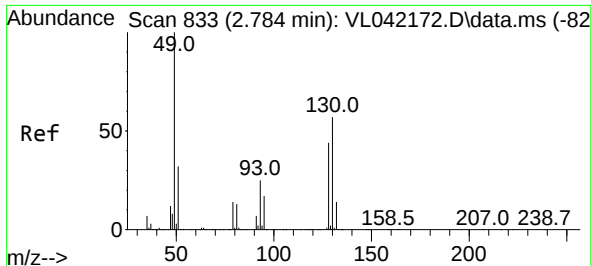
Quant Time: Apr 09 01:50:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.635	75	243227	8.880	ppbv	97
47) 1,1,2-Trichloroethane	6.613	97	208553	11.011	ppbv	99
48) Dibromochloromethane	7.415	129	346117	10.783	ppbv	99
49) Bromoform	9.503	173	299582	10.395	ppbv	99
50) 4-Methyl-2-Pentanone	5.787	43	542853	9.519	ppbv	96
51) 2-Hexanone	7.464	43	433929	9.266	ppbv #	96
52) Tetrachloroethene	8.247	164	172915	8.862	ppbv	94
53) Toluene	6.962	91	574664	9.853	ppbv	98
54) 1,2-Dibromoethane	7.681	107	281436	10.659	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.946	131	286554	11.647	ppbv	99
57) Chlorobenzene	8.943	112	483780	11.411	ppbv	97
58) Ethyl Benzene	9.377	91	831947	10.479	ppbv	99
59) m/p-Xylene	9.571	91	687151	10.839	ppbv #	24
60) o-Xylene	9.982	91	696371	10.958	ppbv	97
61) Styrene	9.891	104	313307	9.965	ppbv	99
62) Isopropylbenzene	10.558	105	1044218	10.988	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.982	83	460968	11.938	ppbv	99
64) n-propylbenzene	11.005	120	279848	11.439	ppbv	98
65) tert-Butylbenzene	11.549	119	945232	10.755	ppbv	100
66) Benzyl Chloride	11.633	91	65203	6.992	ppbv	98
67) sec-Butylbenzene	11.785	105	1343060	10.994	ppbv	100
69) p-Isopropyltoluene	11.940	119	1144759	10.882	ppbv	100
70) n-Butylbenzene	12.296	91	1194481	11.103	ppbv	99
71) 2-Chlorotoluene	10.918	91	806572	10.935	ppbv	99
72) 4-Ethyltoluene	11.141	105	885452	11.190	ppbv	99
73) 1,3,5-Trimethylbenzene	11.222	105	765708	11.080	ppbv	99
74) 1,2,4-Trimethylbenzene	11.555	105	848667	10.660	ppbv	99
75) 1,3-Dichlorobenzene	11.626	146	505824	11.584	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	505562	11.634	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	503274	11.837	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	399147	9.223	ppbv	99
79) Naphthalene	13.529	128	967317	11.108	ppbv	99
80) Naphthalene,2-methyl-	14.475	142	457943	10.723	ppbv	98
81) 1,2,4-Trichlorobenzene	13.455	180	425466	10.592	ppbv	99

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

Quant Time: Apr 09 01:50:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

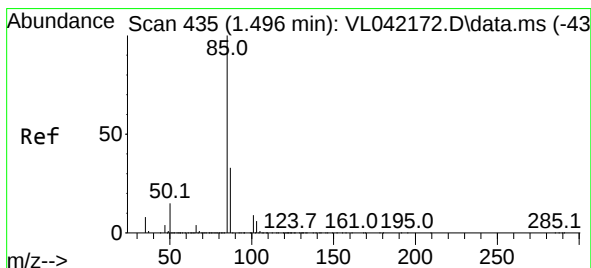
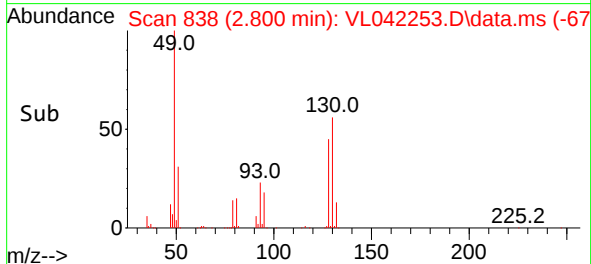
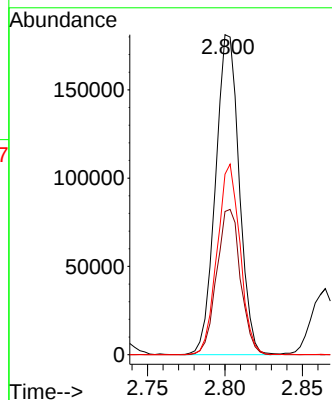
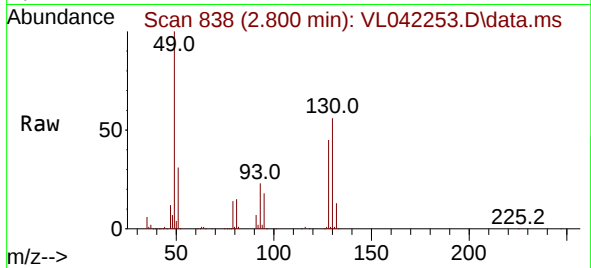




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

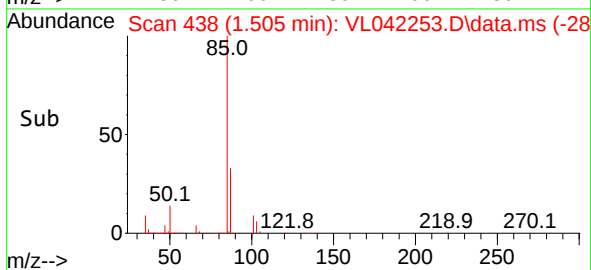
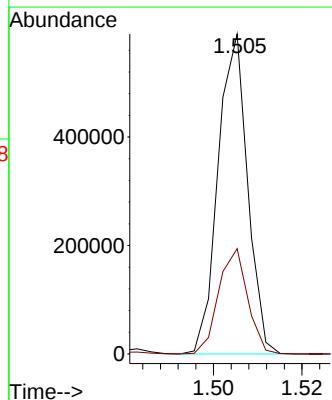
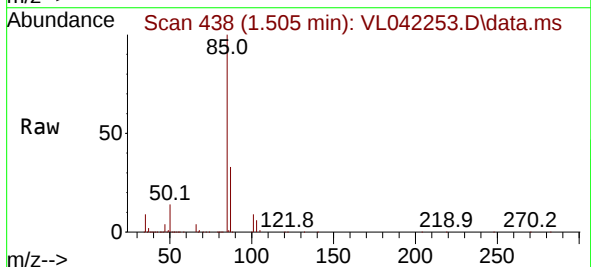
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

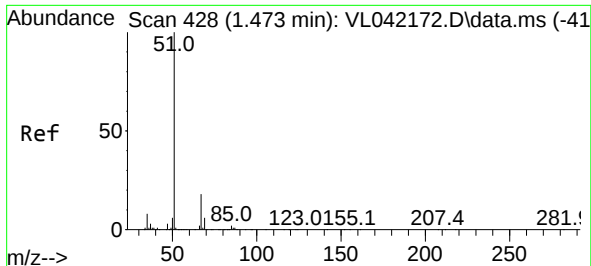
Tgt Ion: 49 Resp: 192748
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 57.6 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 9.608 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 85 Resp: 273431
Ion Ratio Lower Upper
85 100
87 32.9 26.1 39.1

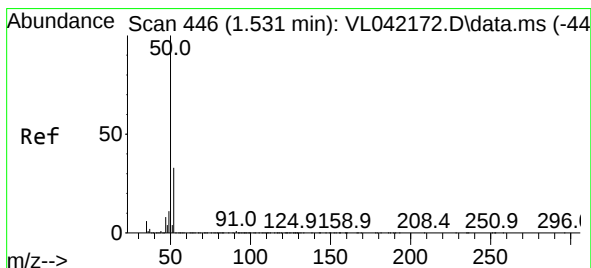
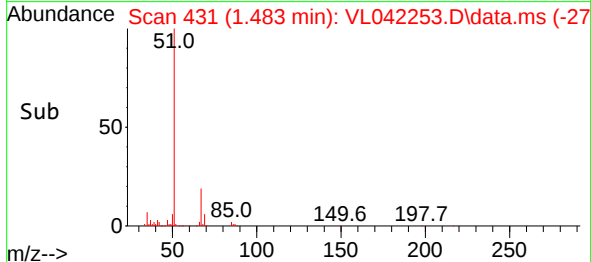
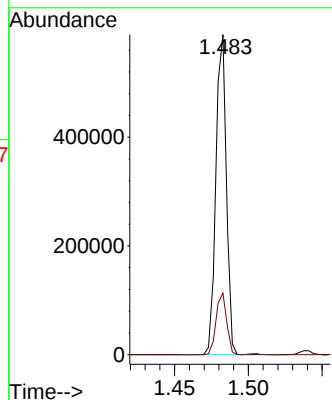
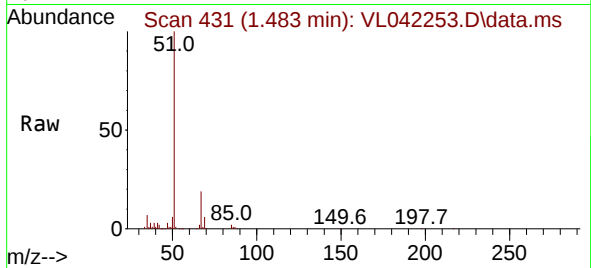




#3
Chlorodifluoromethane
Concen: 9.985 ppbv
RT: 1.483 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

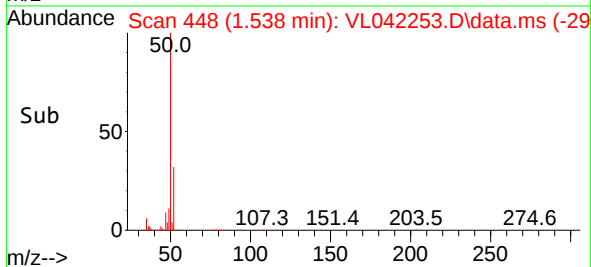
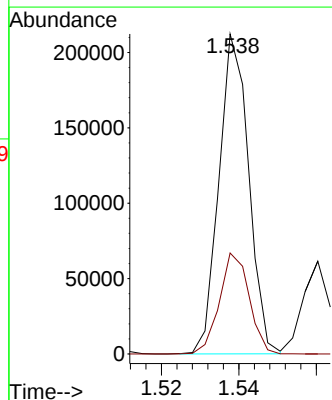
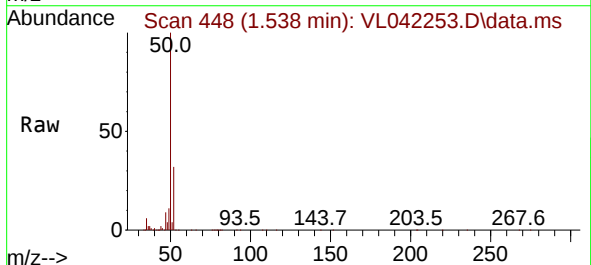
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

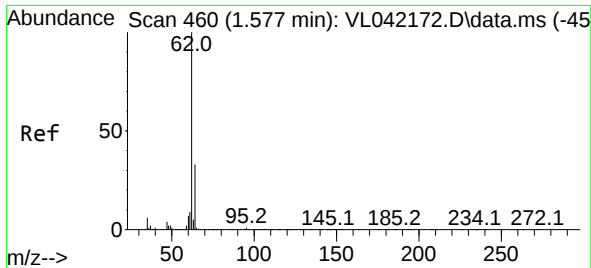
Tgt Ion: 51 Resp: 290289
Ion Ratio Lower Upper
51 100
67 19.4 15.0 22.6



#4
Chloromethane
Concen: 9.729 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 50 Resp: 113157
Ion Ratio Lower Upper
50 100
52 31.6 26.1 39.1

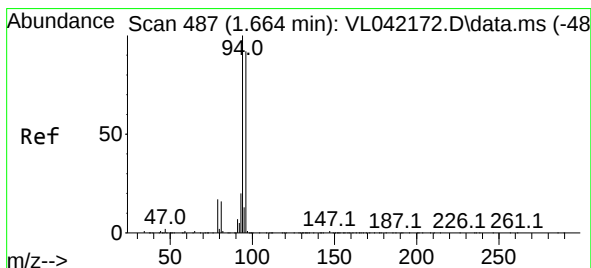
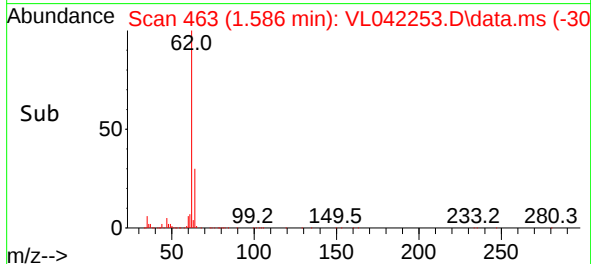
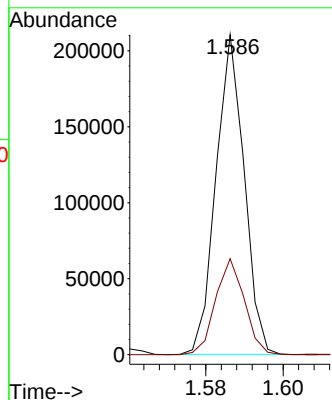
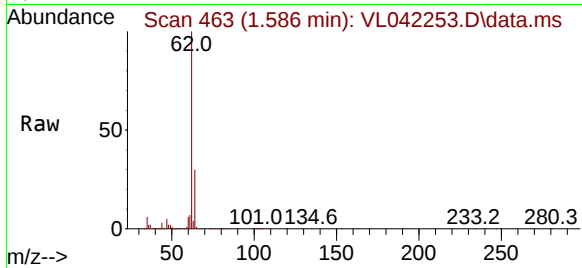




#5
 Vinyl Chloride
 Concen: 8.637 ppbv
 RT: 1.586 min Scan# 410
 Delta R.T. 0.010 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

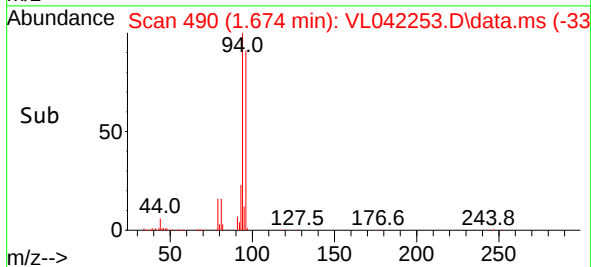
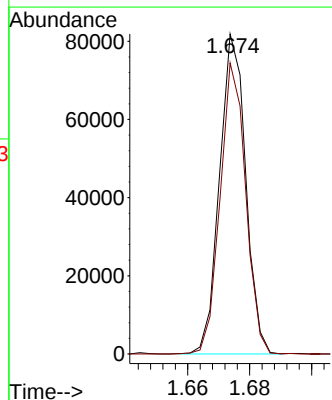
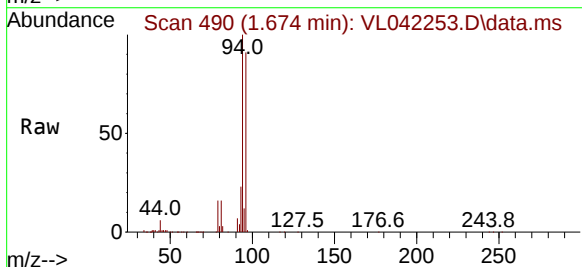
Instrument :
 MSVOA_1
 ClientSampleId :
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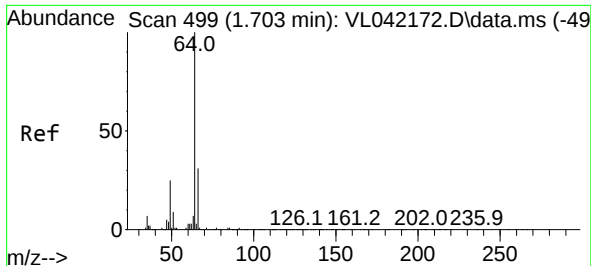
Tgt Ion: 62 Resp: 106450
 Ion Ratio Lower Upper
 62 100
 64 30.0 26.6 40.0



#6
 Bromomethane
 Concen: 9.087 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. 0.010 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Tgt Ion: 94 Resp: 47897
 Ion Ratio Lower Upper
 94 100
 96 90.9 73.1 109.7

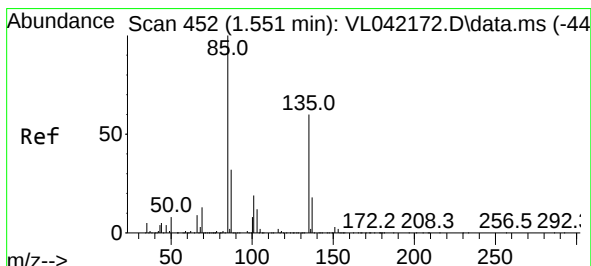
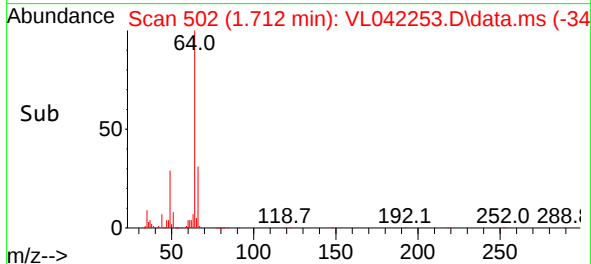
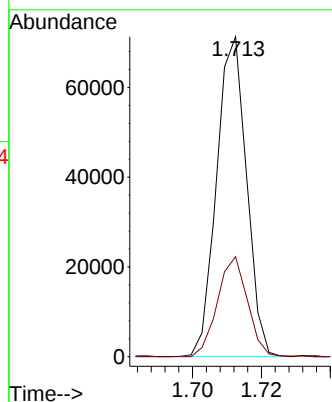
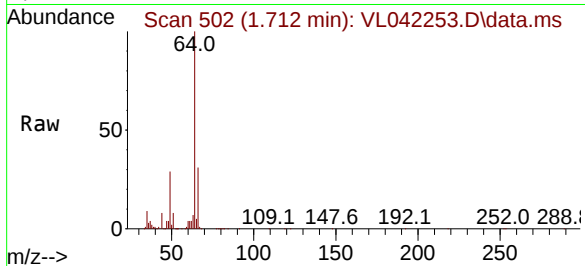




#7
Chloroethane
Concen: 9.215 ppbv
RT: 1.712 min Scan# 50
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

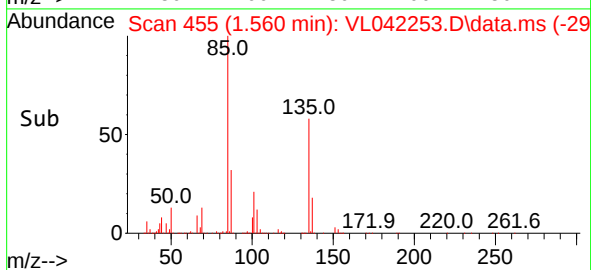
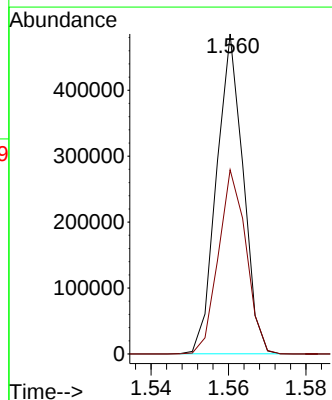
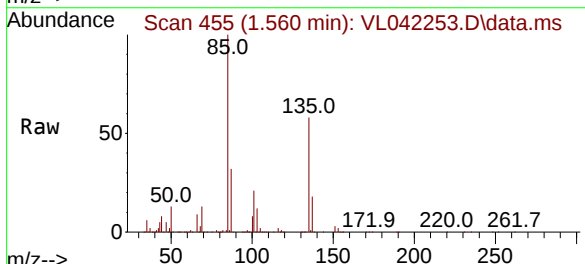
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ClientSampleId :
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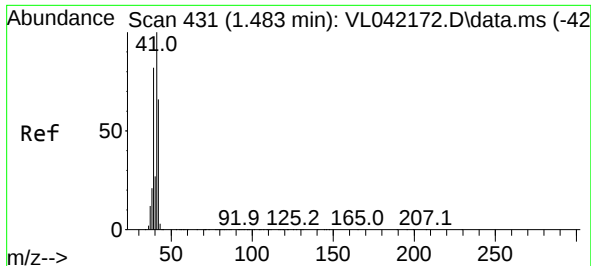
Tgt Ion: 64 Resp: 43021
Ion Ratio Lower Upper
64 100
66 31.2 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 9.554 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 85 Resp: 231550
Ion Ratio Lower Upper
85 100
135 60.1 52.4 78.6





#9

Propene

Concen: 8.104 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

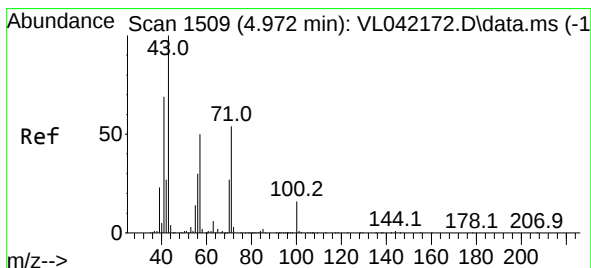
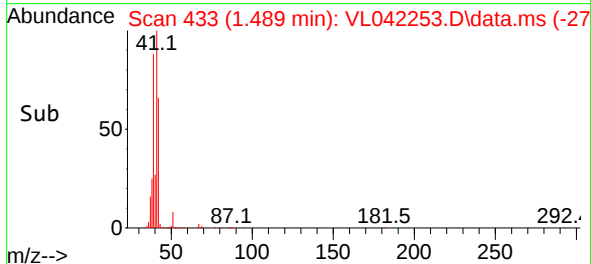
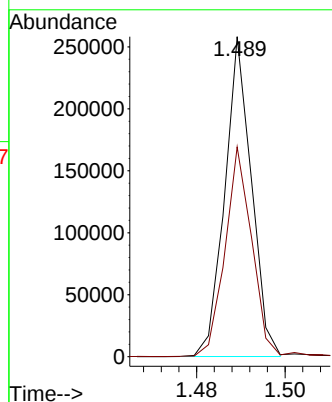
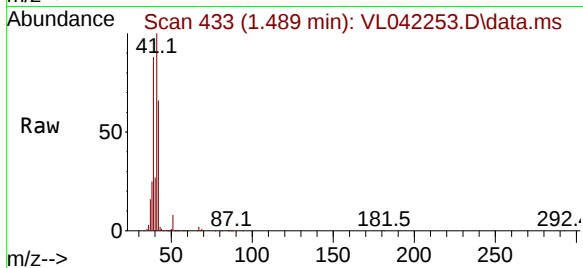
VSTDCCC010

Tgt Ion: 41 Resp: 107995

Ion Ratio Lower Upper

41 100

42 67.3 55.4 83.2



#10

Heptane

Concen: 9.441 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. 0.039 min

Lab File: VL042253.D

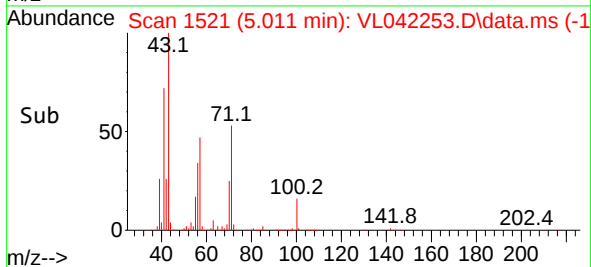
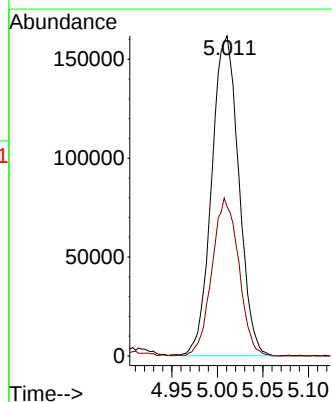
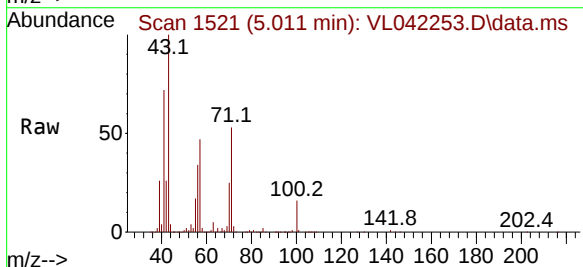
Acq: 08 Apr 2025 08:39

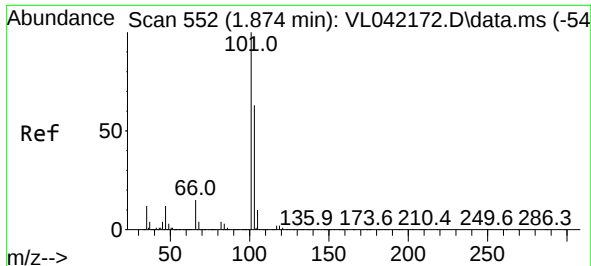
Tgt Ion: 43 Resp: 334651

Ion Ratio Lower Upper

43 100

57 48.8 39.4 59.2

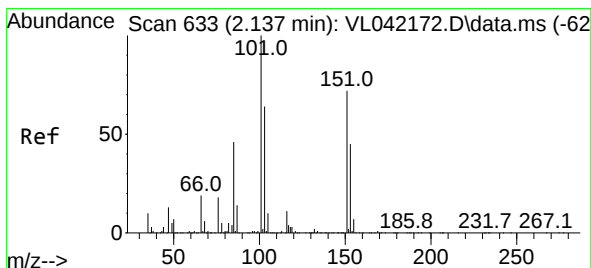
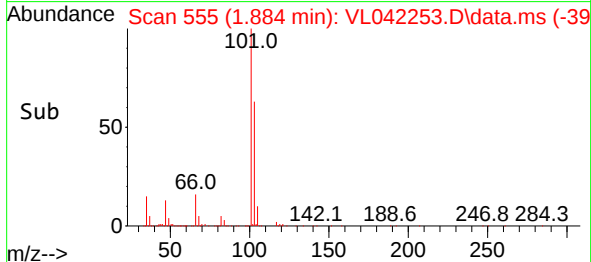
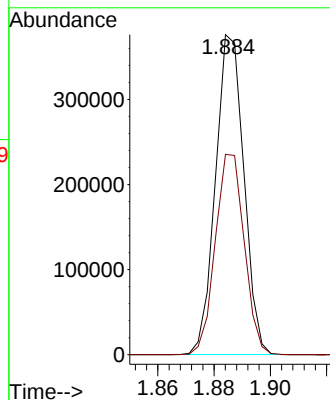
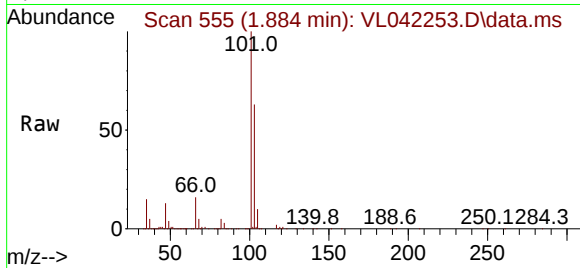




#11
 Trichlorofluoromethane
 Concen: 9.518 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. 0.010 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

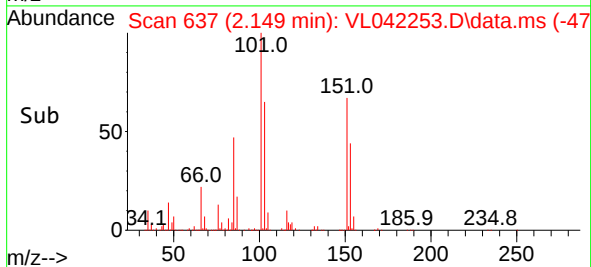
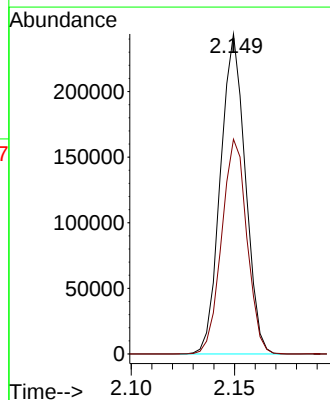
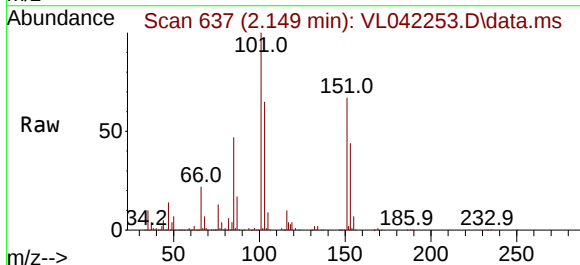
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

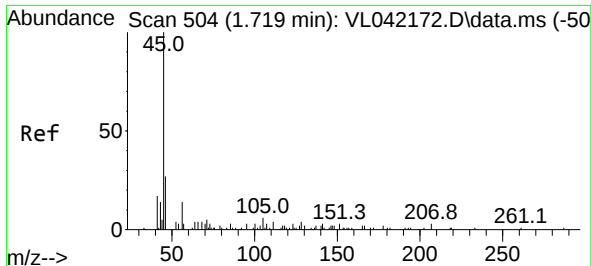
Tgt Ion:101 Resp: 263560
 Ion Ratio Lower Upper
 101 100
 103 62.6 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.967 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.013 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Tgt Ion:101 Resp: 204093
 Ion Ratio Lower Upper
 101 100
 151 68.2 57.1 85.7

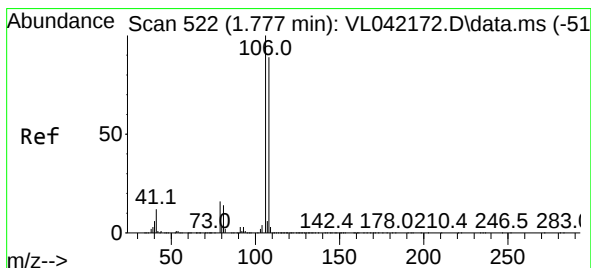
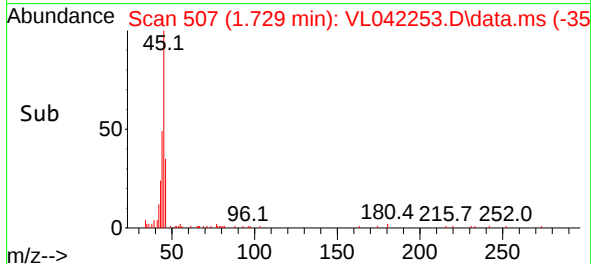
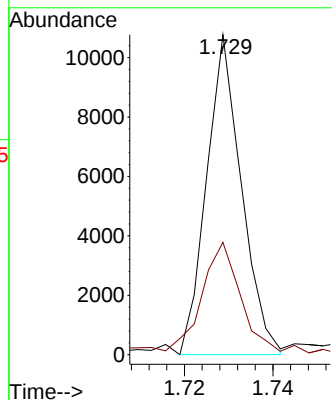
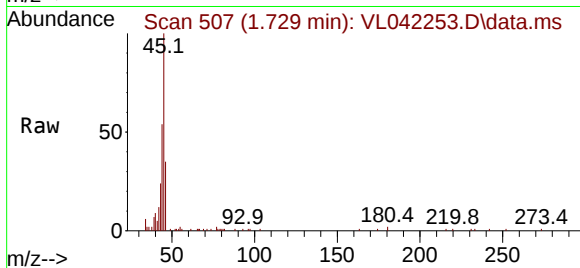




#13
Ethanol
Concen: 4.686 ppbv
RT: 1.729 min Scan# 504
Delta R.T. 0.010 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

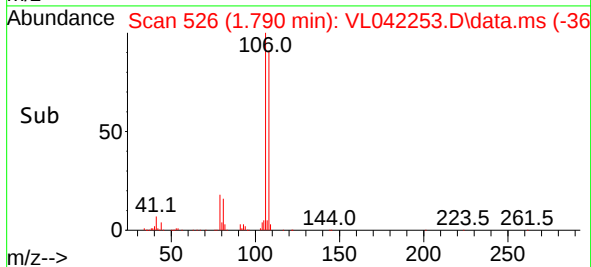
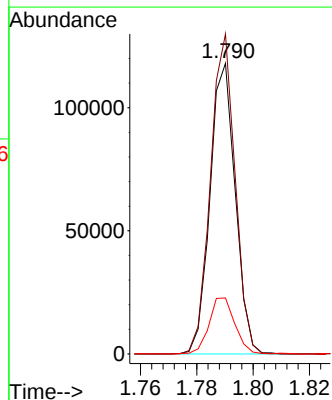
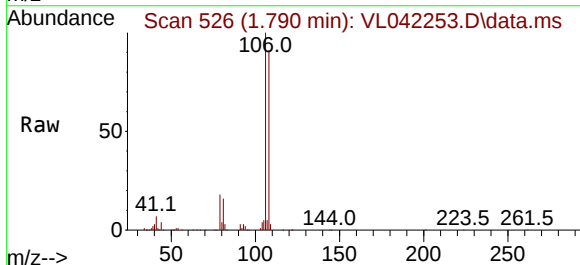
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

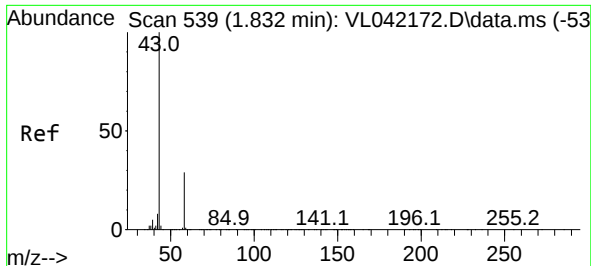
Tgt Ion: 45 Resp: 5903
Ion Ratio Lower Upper
45 100
46 45.1 20.2 80.8



#14
Bromoethene
Concen: 8.438 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 108 Resp: 73578
Ion Ratio Lower Upper
108 100
106 107.3 86.8 130.2
79 20.3 15.0 22.6





#15

Acetone

Concen: 8.677 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.010 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

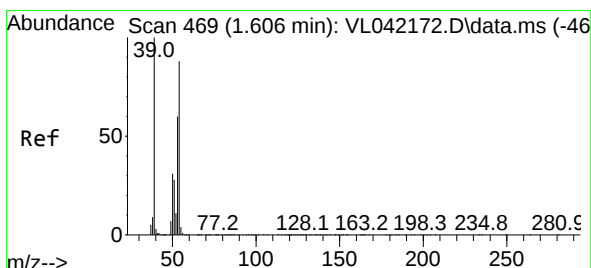
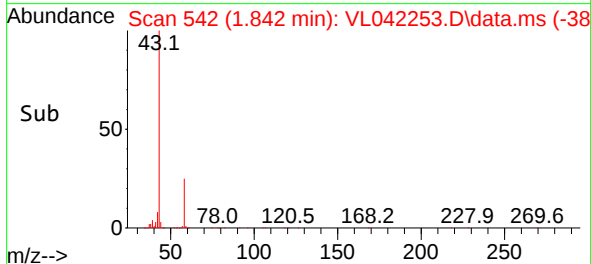
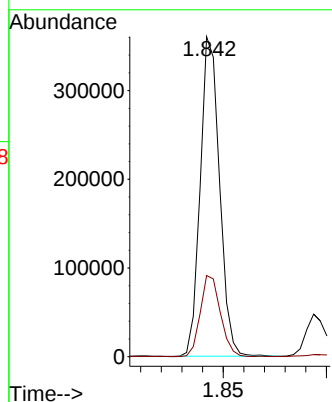
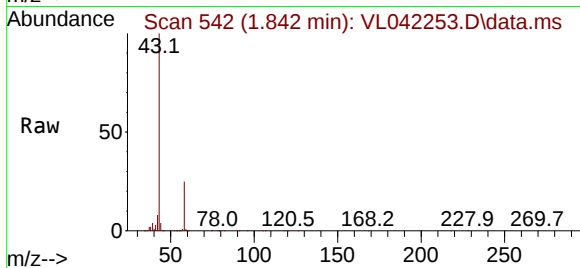
VSTDCCC010

Tgt Ion: 43 Resp: 233895

Ion Ratio Lower Upper

43 100

58 26.7 23.2 34.8



#16

1,3-Butadiene

Concen: 8.637 ppbv

RT: 1.615 min Scan# 472

Delta R.T. 0.010 min

Lab File: VL042253.D

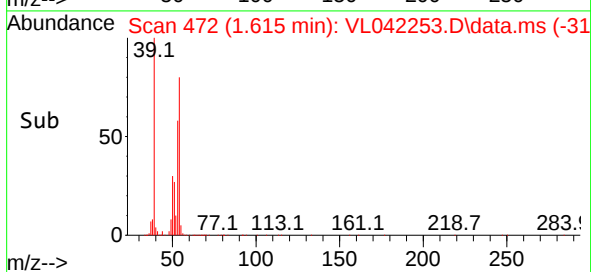
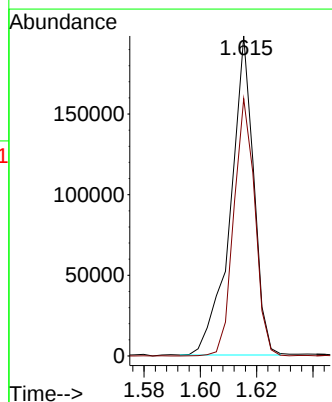
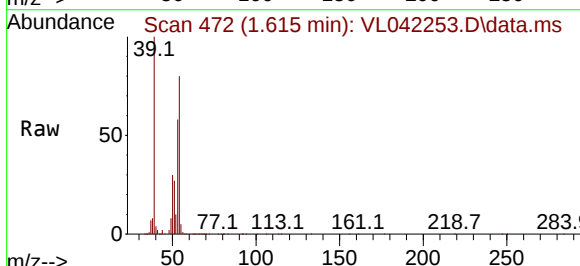
Acq: 08 Apr 2025 08:39

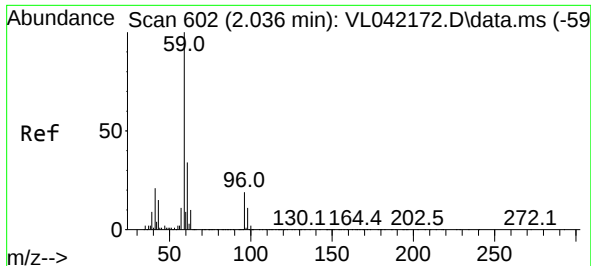
Tgt Ion: 39 Resp: 113699

Ion Ratio Lower Upper

39 100

54 73.1 60.7 91.1





#17

tert-Butyl alcohol

Concen: 7.865 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.013 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

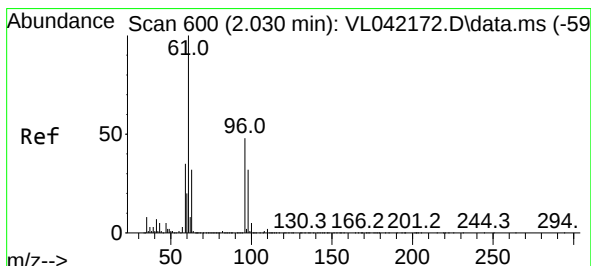
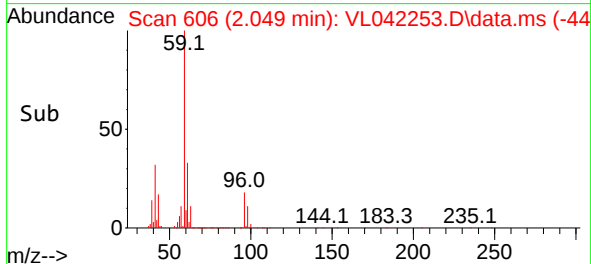
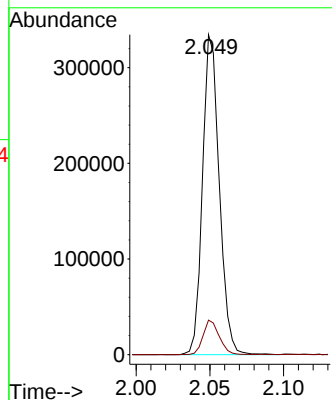
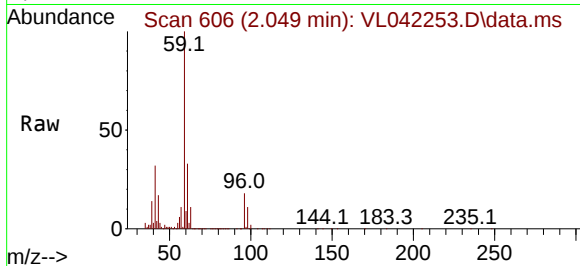
VSTDCCC010

Tgt Ion: 59 Resp: 264061

Ion Ratio Lower Upper

59 100

57 10.5 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.414 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.013 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

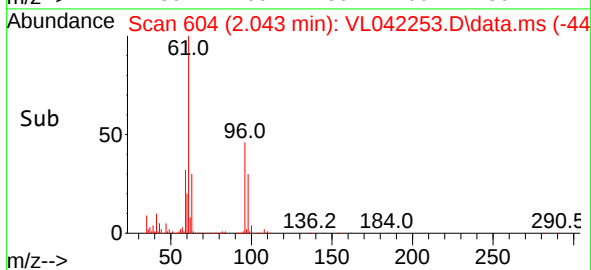
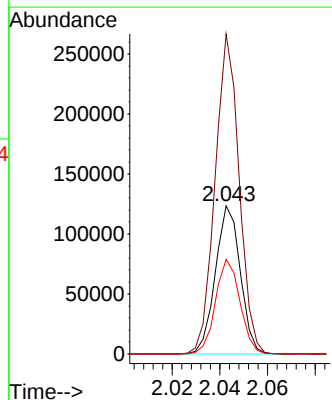
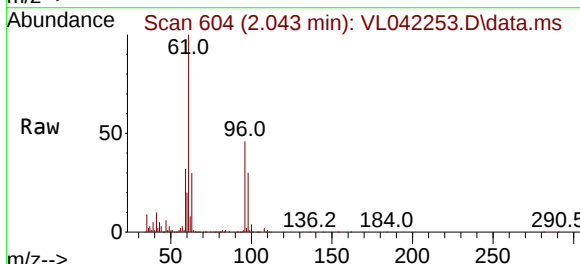
Tgt Ion: 96 Resp: 89526

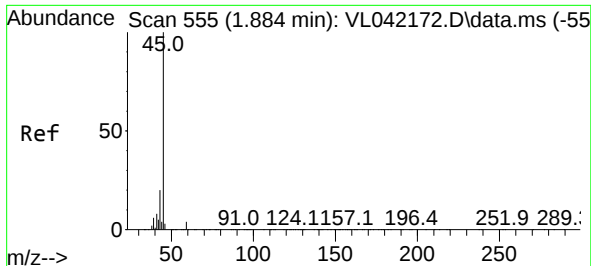
Ion Ratio Lower Upper

96 100

61 216.0 167.6 251.4

98 63.8 53.5 80.3





#19

Isopropyl Alcohol

Concen: 8.653 ppbv

RT: 1.894 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

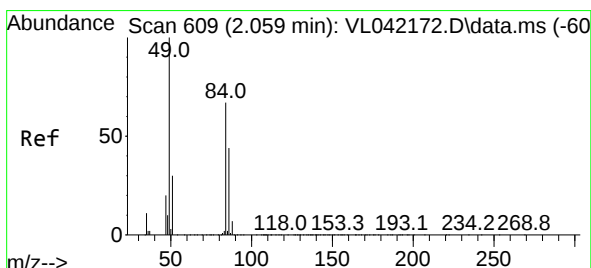
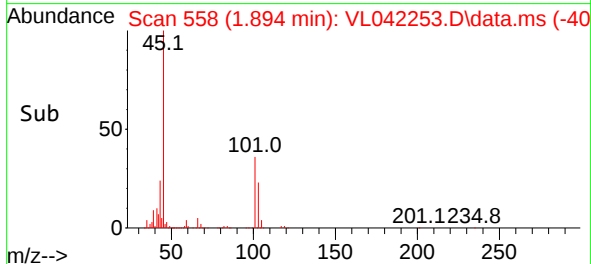
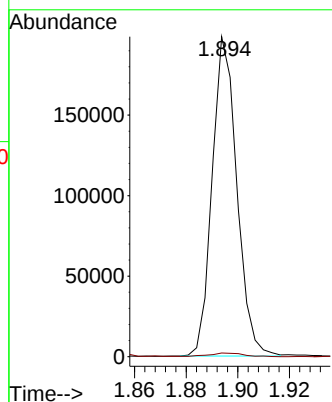
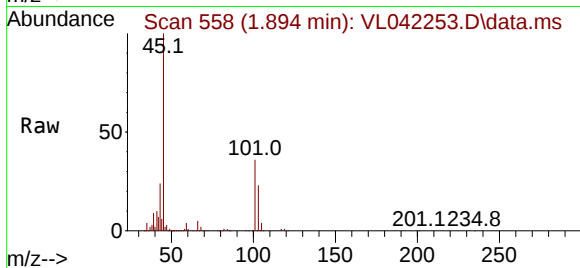
VSTDCCC010

Tgt Ion: 45 Resp: 131605

Ion Ratio Lower Upper

45 100

58 47.5 36.9 55.3



#20

Methylene Chloride

Concen: 7.825 ppbv

RT: 2.072 min Scan# 613

Delta R.T. 0.013 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion: 84 Resp: 78560

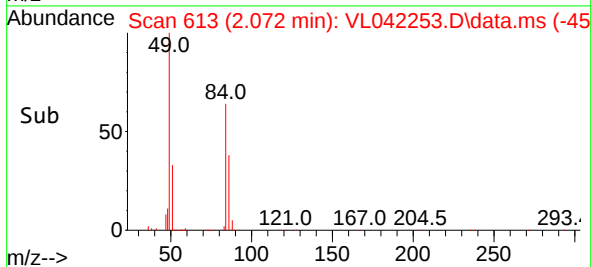
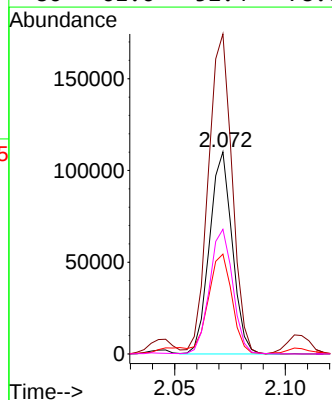
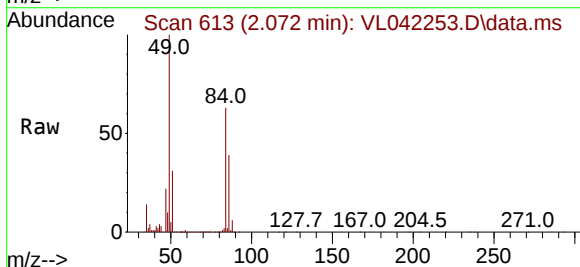
Ion Ratio Lower Upper

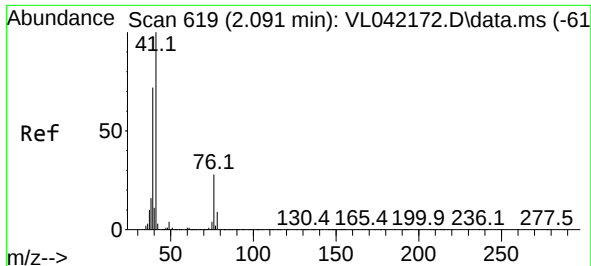
84 100

49 156.4 120.2 180.4

51 48.5 37.4 56.0

86 61.6 52.4 78.6

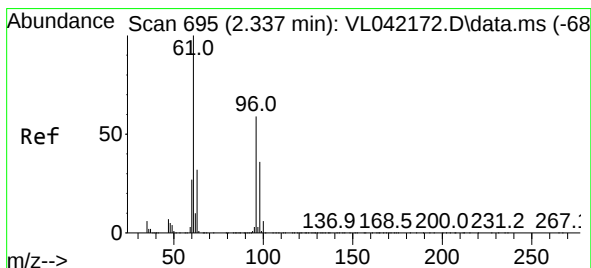
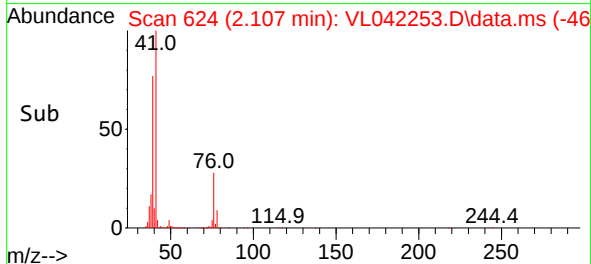
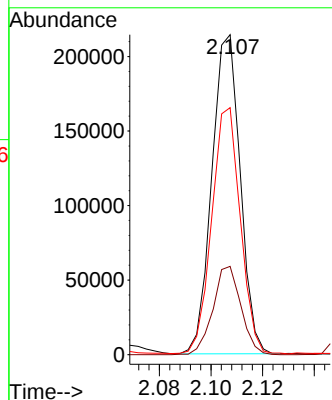
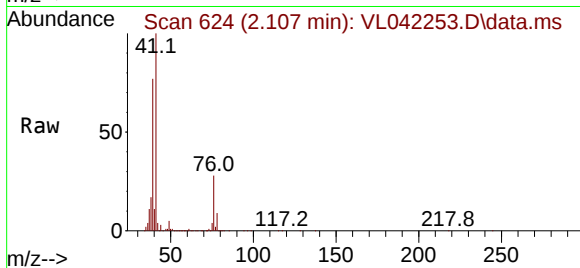




#21
 Allyl Chloride
 Concen: 8.590 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

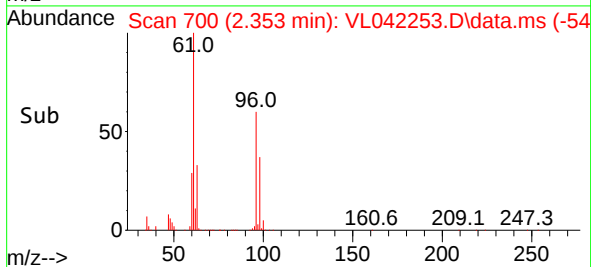
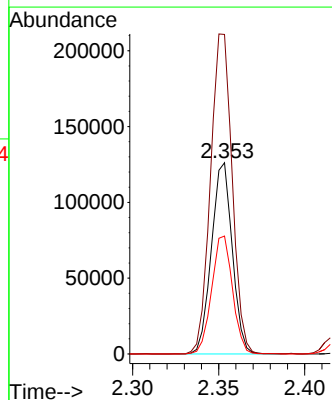
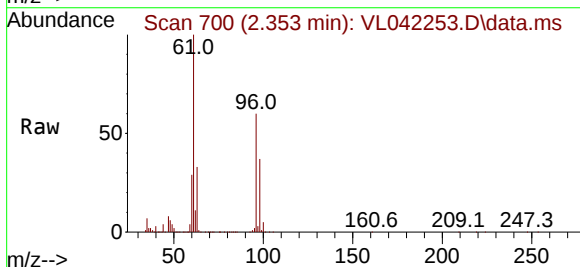
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

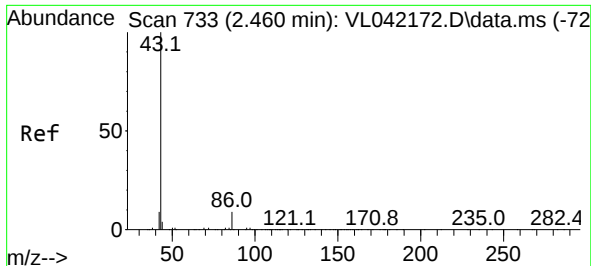
Tgt Ion: 41 Resp: 163305
 Ion Ratio Lower Upper
 41 100
 76 27.3 24.1 36.1
 39 77.5 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 8.643 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Tgt Ion: 96 Resp: 106297
 Ion Ratio Lower Upper
 96 100
 61 167.0 136.6 204.8
 98 61.7 49.4 74.2

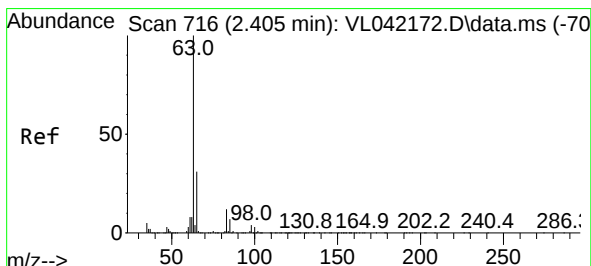
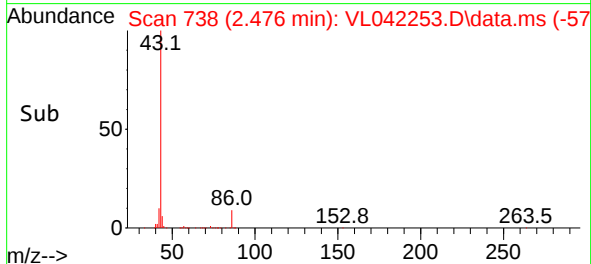
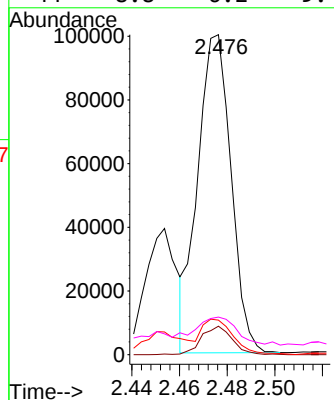
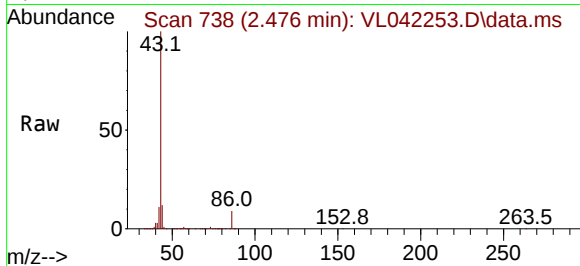




#23
 Vinyl Acetate
 Concen: 8.313 ppbv
 RT: 2.476 min Scan# 71
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

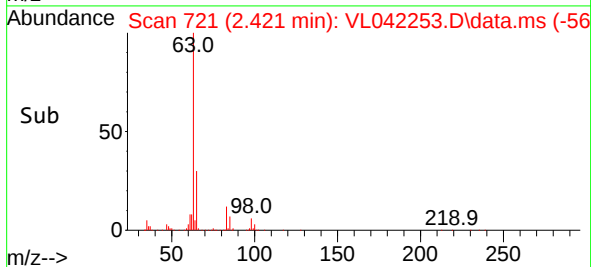
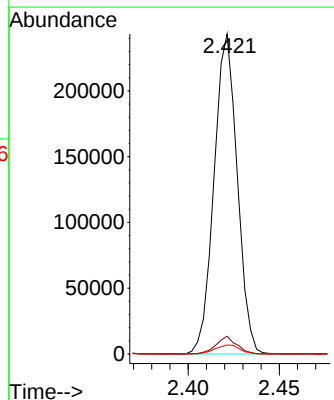
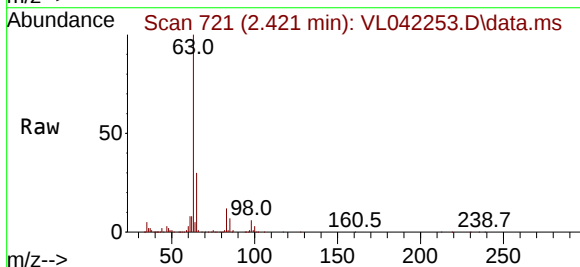
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

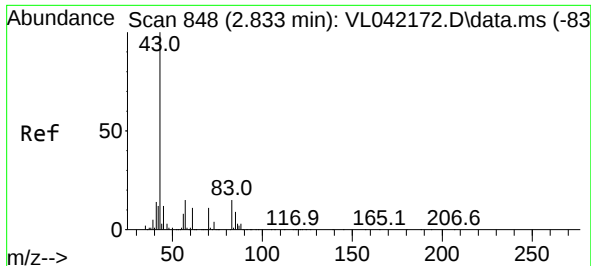
Tgt Ion: 43 Resp: 96990
 Ion Ratio Lower Upper
 43 100
 86 8.9 5.5 8.3#
 42 10.5 8.6 13.0
 44 8.8 6.2 9.4



#24
 1,1-Dichloroethane
 Concen: 9.422 ppbv
 RT: 2.421 min Scan# 721
 Delta R.T. 0.016 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Tgt Ion: 63 Resp: 214800
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.3 6.8
 100 2.8 1.6 4.7

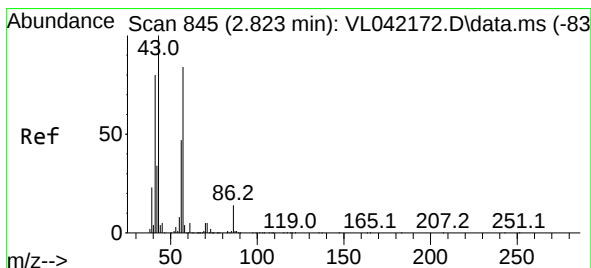
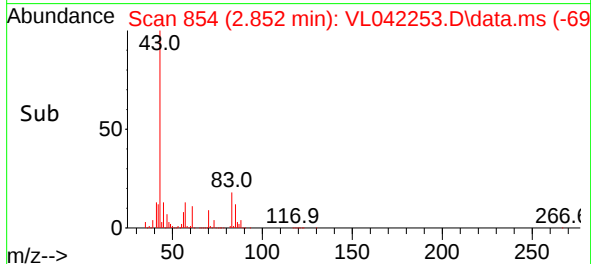
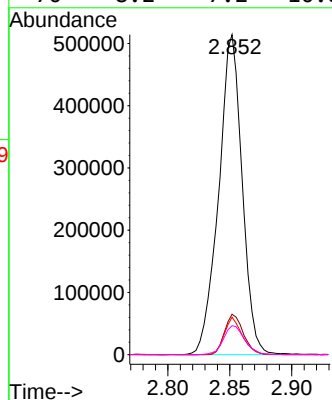
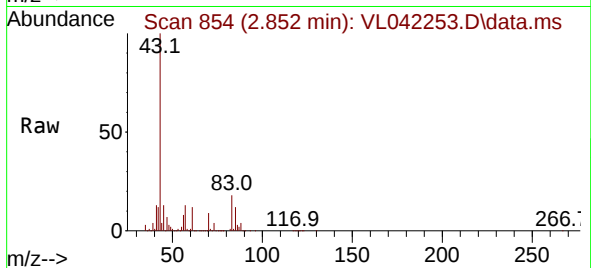




#25
Ethyl Acetate
Concen: 9.704 ppbv
RT: 2.852 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

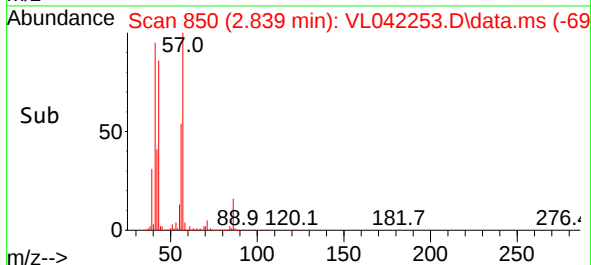
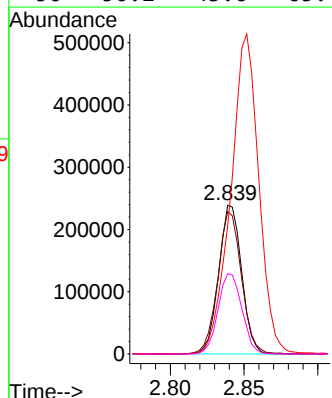
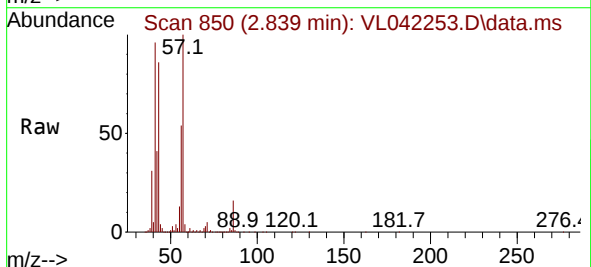
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

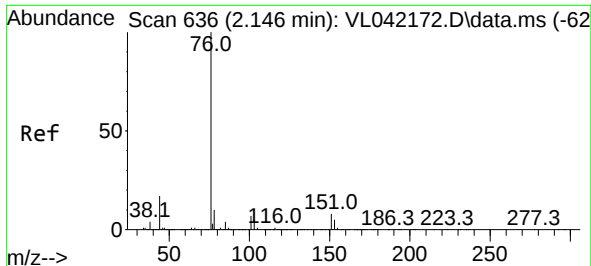
Tgt Ion: 43 Resp: 678925
Ion Ratio Lower Upper
43 100
45 10.3 8.2 12.2
61 9.0 7.3 10.9
70 8.2 7.2 10.8



#26
Hexane
Concen: 9.529 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 57 Resp: 257513
Ion Ratio Lower Upper
57 100
41 99.7 76.6 114.8
43 264.2 207.8 311.8
56 56.2 43.6 65.4

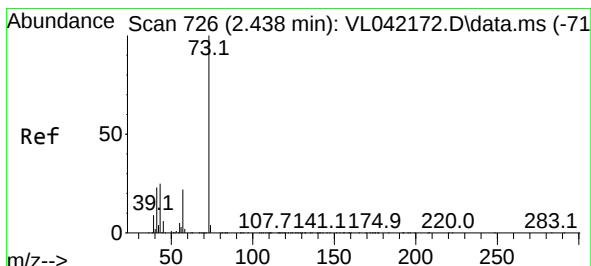
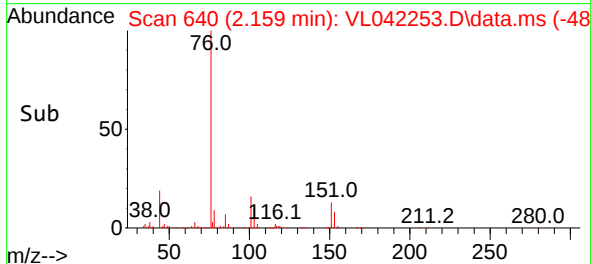
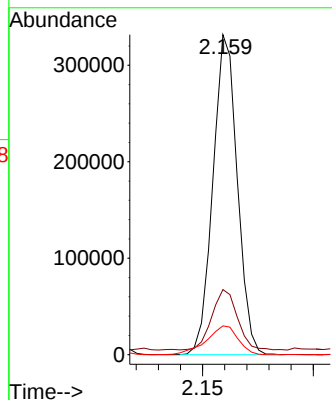
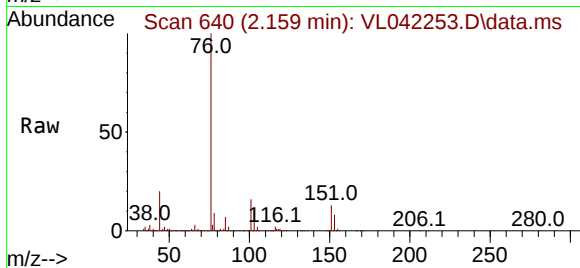




#27
Carbon Disulfide
Concen: 8.762 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

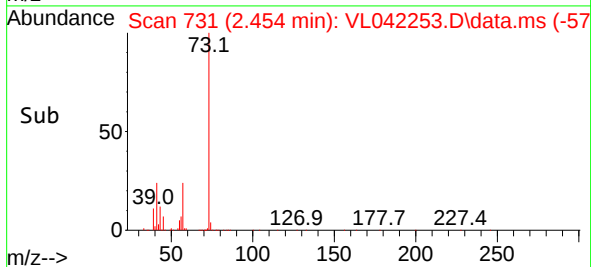
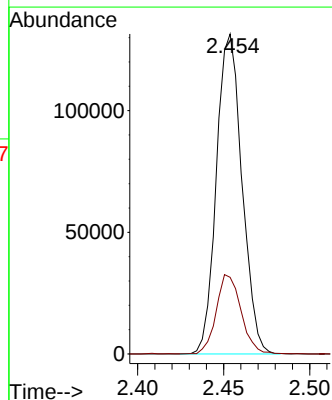
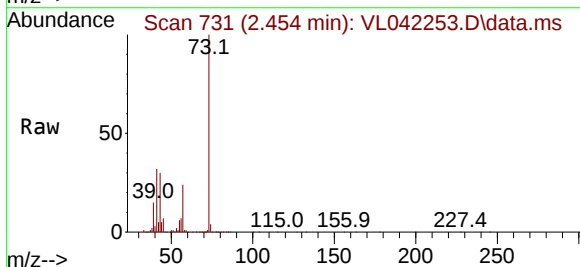
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

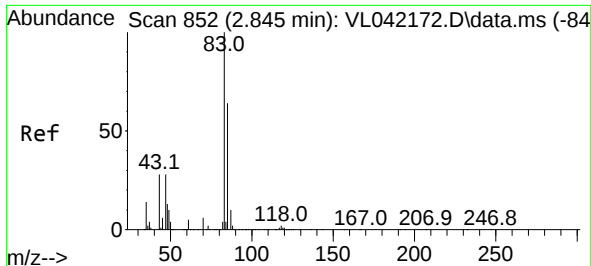
Tgt Ion: 76 Resp: 253909
Ion Ratio Lower Upper
76 100
44 20.0 14.7 22.1
78 11.7 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 8.078 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 73 Resp: 135921
Ion Ratio Lower Upper
73 100
57 24.1 20.5 30.7





#29

Chloroform

Concen: 10.306 ppbv

RT: 2.861 min Scan# 81

Delta R.T. 0.016 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

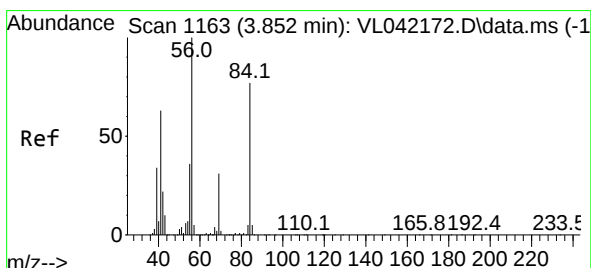
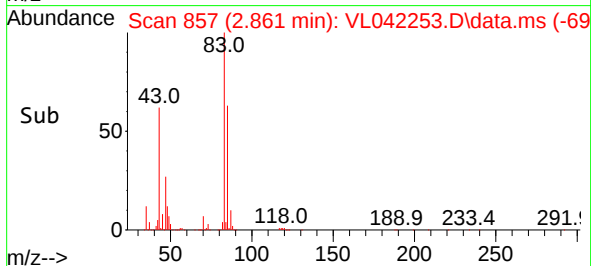
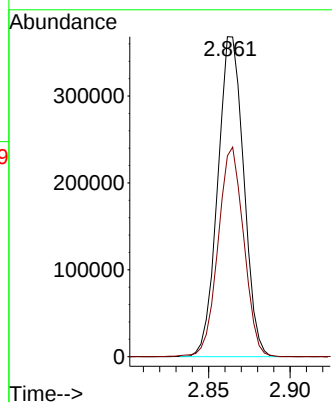
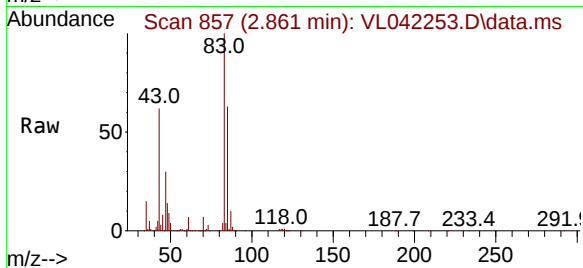
VSTDCCC010

Tgt Ion: 83 Resp: 407591

Ion Ratio Lower Upper

83 100

85 62.7 51.4 77.2



#30

Cyclohexane

Concen: 8.831 ppbv

RT: 3.878 min Scan# 1171

Delta R.T. 0.026 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

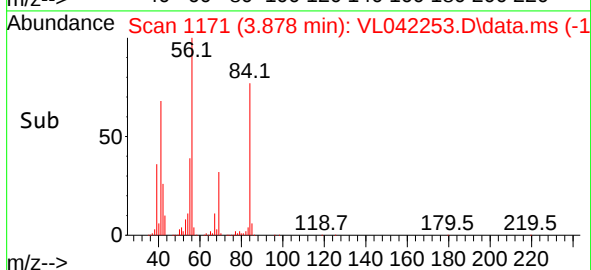
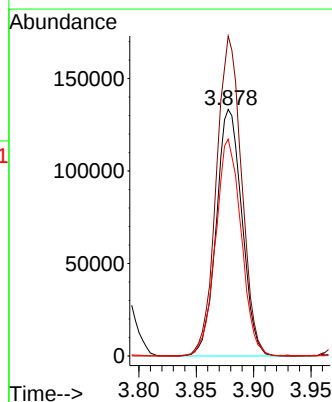
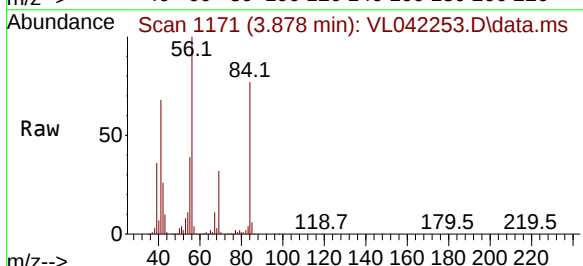
Tgt Ion: 84 Resp: 207216

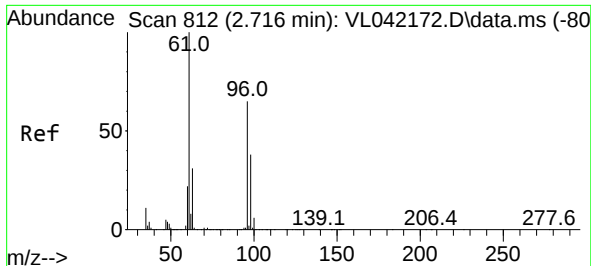
Ion Ratio Lower Upper

84 100

56 127.8 102.8 154.2

41 88.0 66.5 99.7

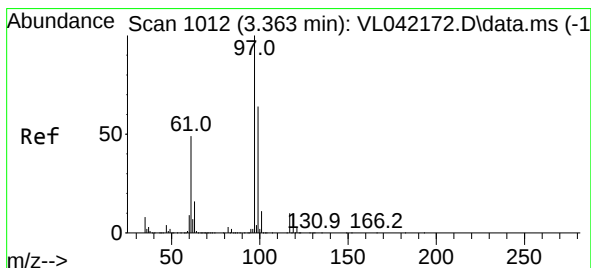
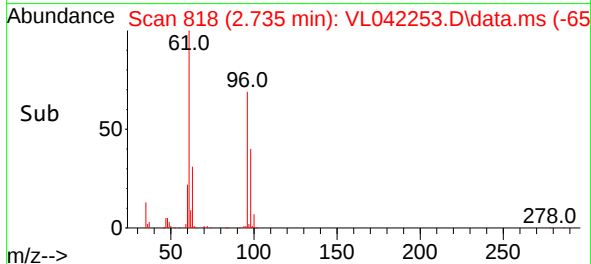
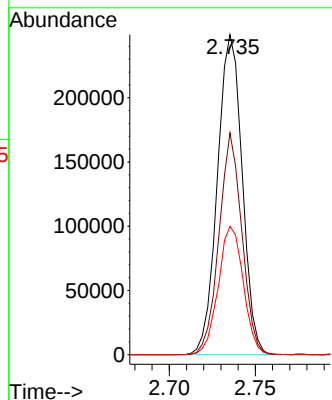
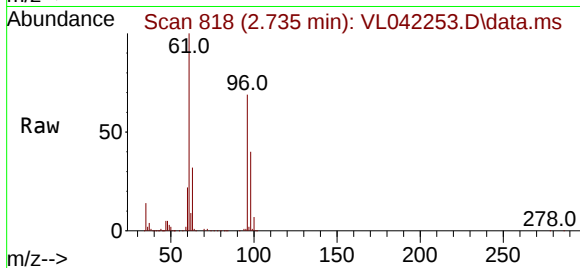




#31
 cis-1,2-Dichloroethene
 Concen: 9.098 ppbv
 RT: 2.735 min Scan# 812
 Delta R.T. 0.019 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

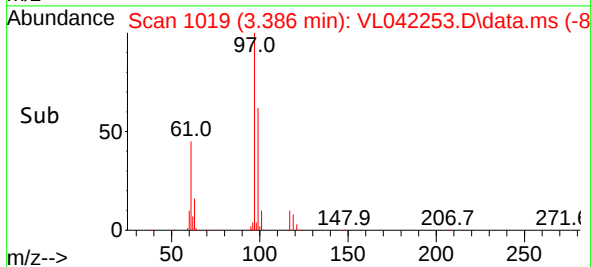
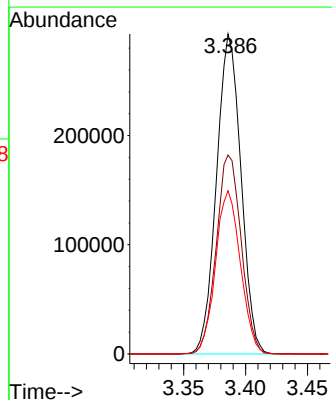
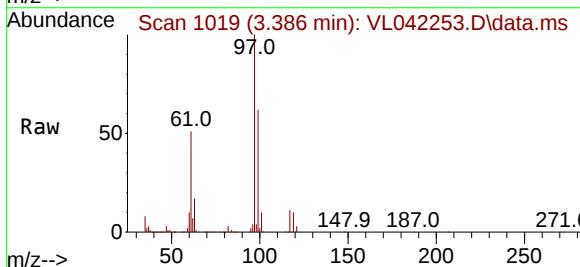
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

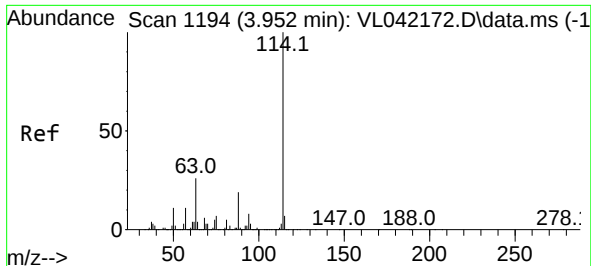
Tgt Ion: 61 Resp: 249595
 Ion Ratio Lower Upper
 61 100
 96 69.3 51.8 77.8
 98 40.1 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 8.915 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.023 min
 Lab File: VL042253.D
 Acq: 08 Apr 2025 08:39

Tgt Ion: 97 Resp: 403665
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.5 77.3
 61 51.9 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1194

Delta R.T. 0.029 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

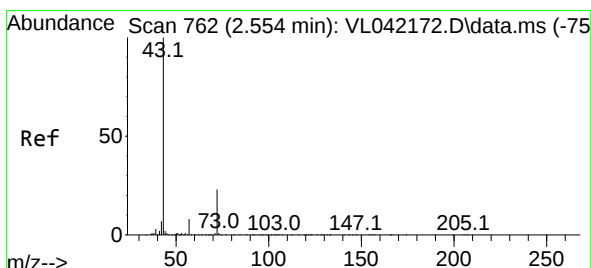
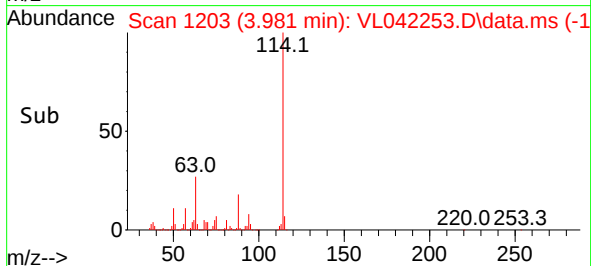
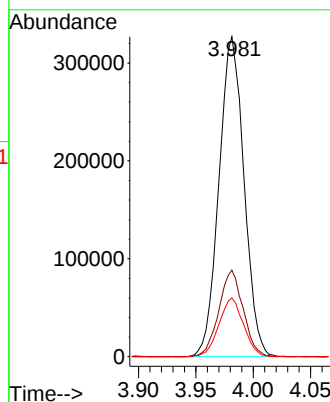
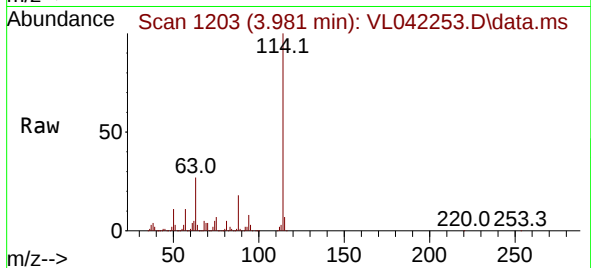
Tgt Ion:114 Resp: 496271

Ion Ratio Lower Upper

114 100

63 26.3 20.7 31.1

88 17.9 15.0 22.4



#34

2-Butanone

Concen: 10.443 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.016 min

Lab File: VL042253.D

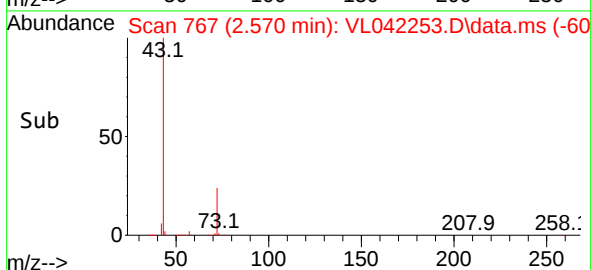
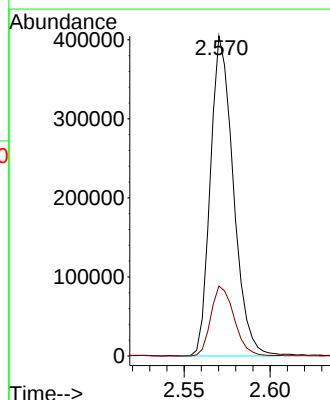
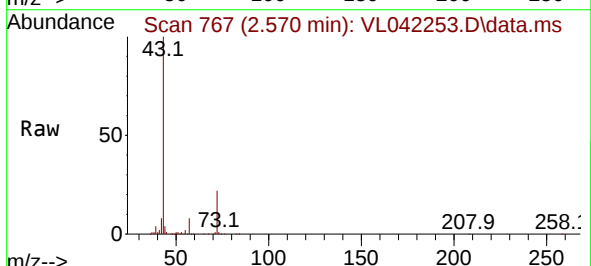
Acq: 08 Apr 2025 08:39

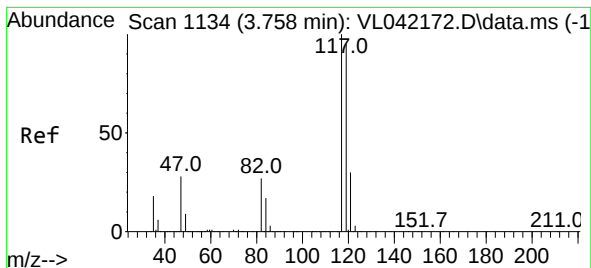
Tgt Ion: 43 Resp: 375791

Ion Ratio Lower Upper

43 100

72 22.2 18.2 27.2





#35

Carbon Tetrachloride

Concen: 10.934 ppbv

RT: 3.784 min Scan# 1142

Delta R.T. 0.026 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

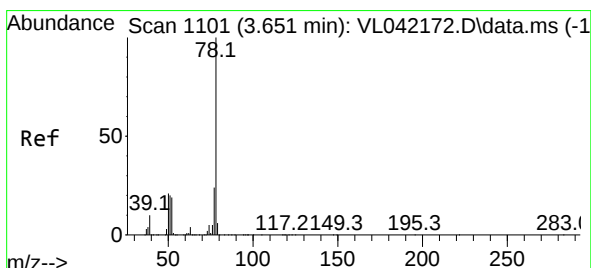
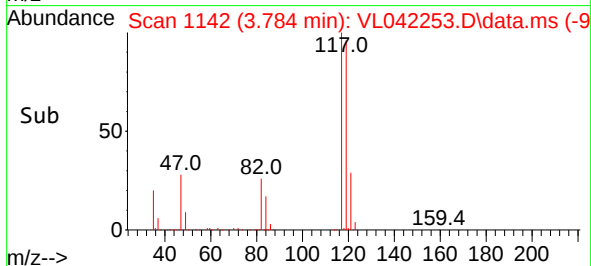
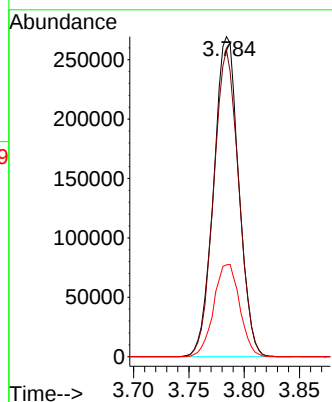
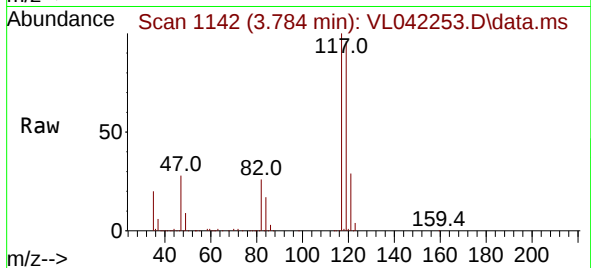
Tgt Ion:117 Resp: 423863

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.2

121 28.7 24.2 36.4



#36

Benzene

Concen: 10.467 ppbv

RT: 3.677 min Scan# 1109

Delta R.T. 0.026 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

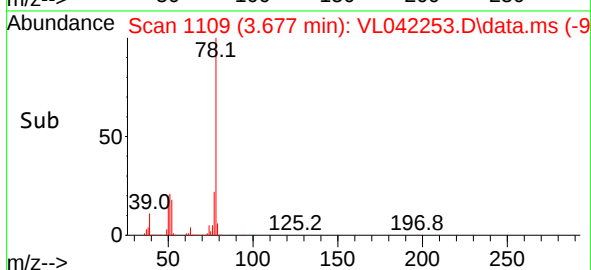
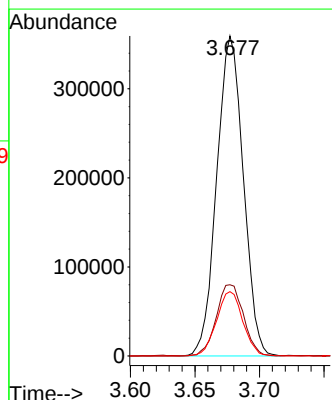
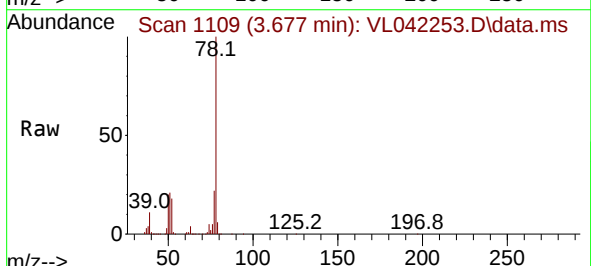
Tgt Ion: 78 Resp: 514967

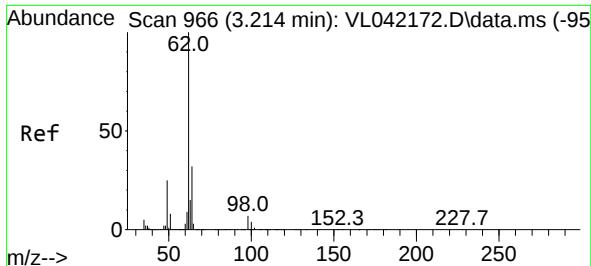
Ion Ratio Lower Upper

78 100

77 22.2 19.1 28.7

50 20.1 16.6 24.8





#37

1,2-Dichloroethane

Concen: 11.119 ppbv

RT: 3.237 min Scan# 91

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

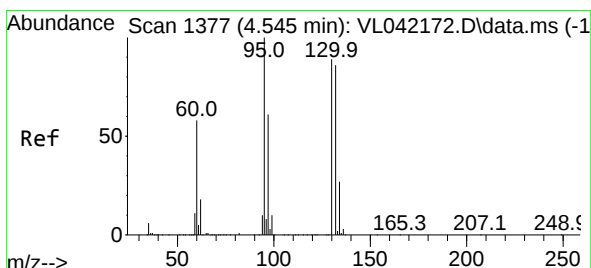
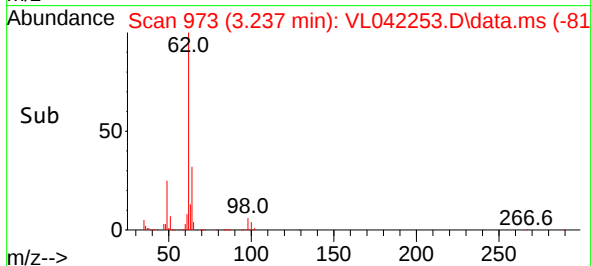
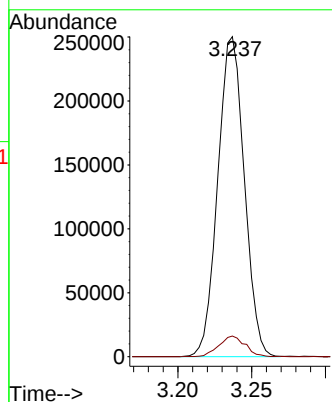
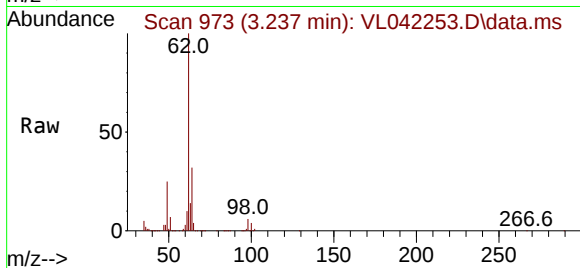
VSTDCCC010

Tgt Ion: 62 Resp: 313194

Ion Ratio Lower Upper

62 100

98 6.4 5.4 8.2



#38

Trichloroethene

Concen: 10.032 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. 0.029 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion:130 Resp: 205933

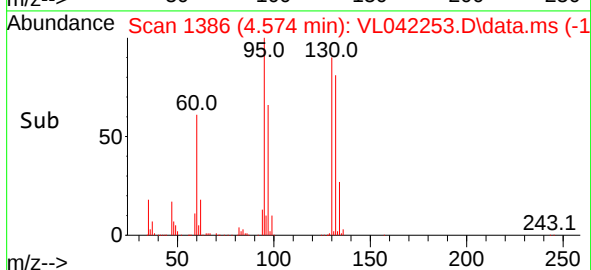
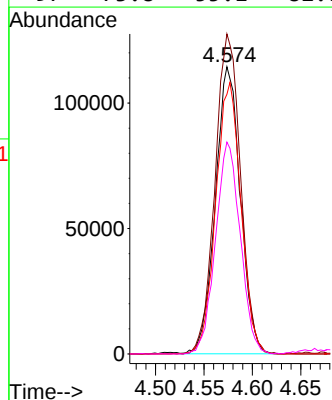
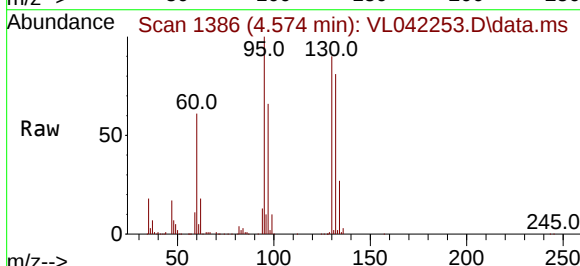
Ion Ratio Lower Upper

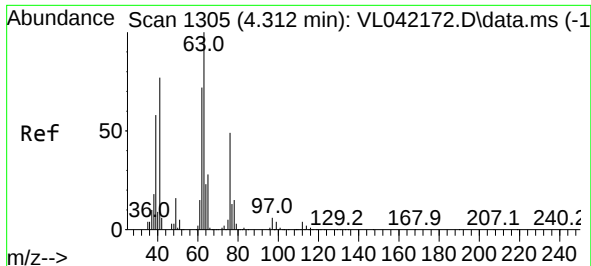
130 100

95 111.4 89.8 134.8

132 90.5 77.4 116.2

97 73.8 55.1 82.7





#39

1,2-Dichloropropane

Concen: 10.501 ppbv

RT: 4.341 min Scan# 1314

Delta R.T. 0.029 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

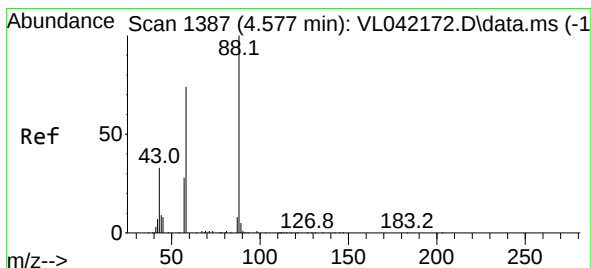
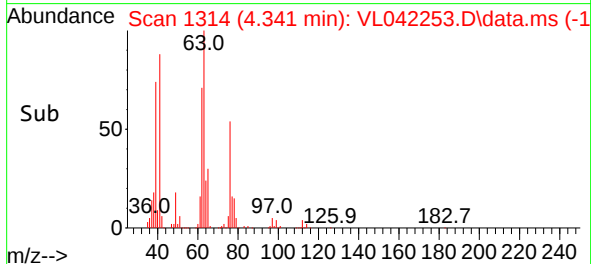
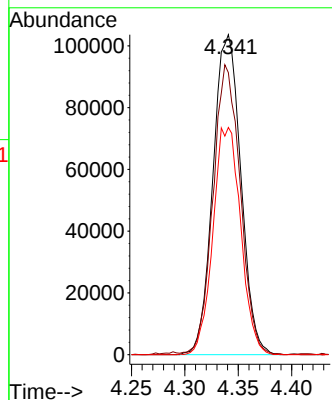
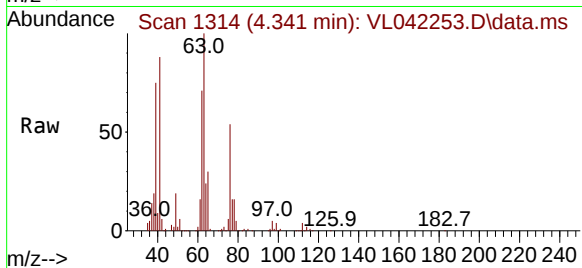
Tgt Ion: 63 Resp: 188150

Ion Ratio Lower Upper

63 100

41 87.9 61.7 92.5

62 70.9 57.6 86.4



#40

1,4-Dioxane

Concen: 9.409 ppbv

RT: 4.613 min Scan# 1398

Delta R.T. 0.035 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion: 88 Resp: 89479

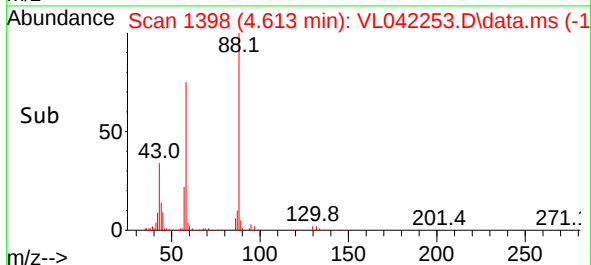
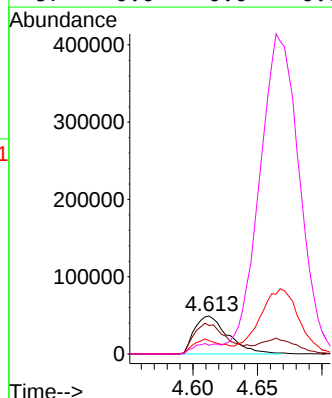
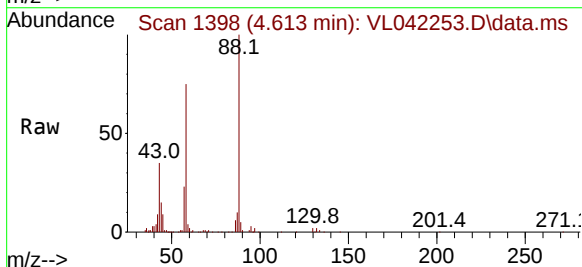
Ion Ratio Lower Upper

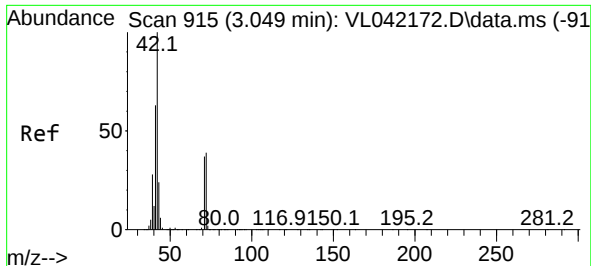
88 100

58 78.8 62.7 94.1

43 35.2 23.0 34.4#

57 0.0 0.0 0.0

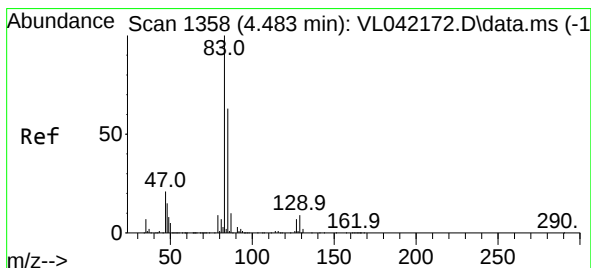
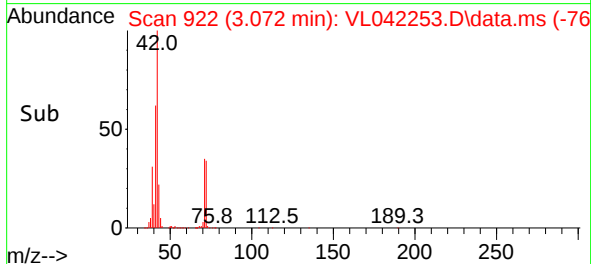
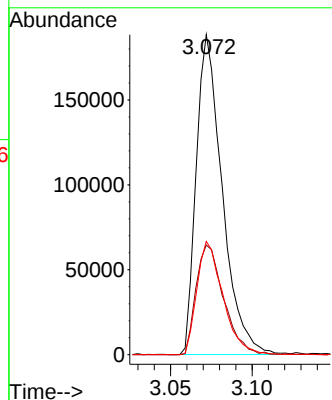
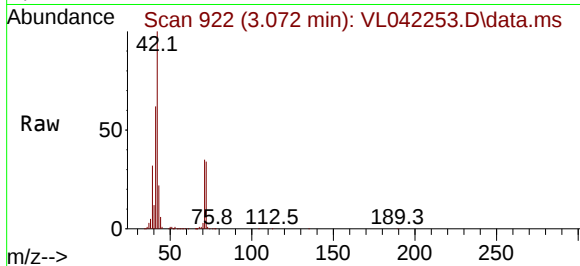




#41
Tetrahydrofuran
Concen: 10.073 ppbv
RT: 3.072 min Scan# 915
Delta R.T. 0.023 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

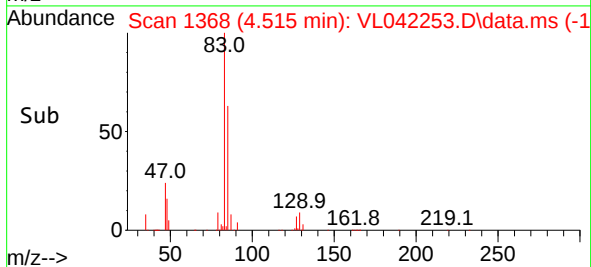
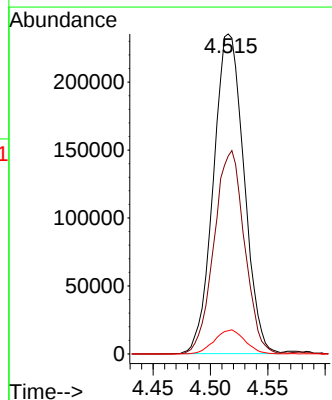
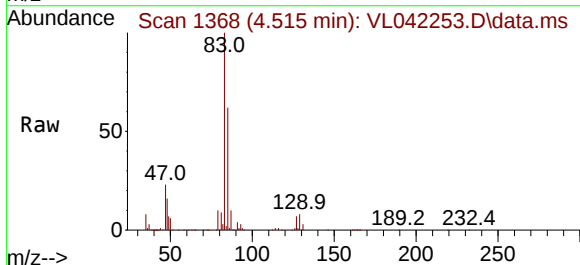
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

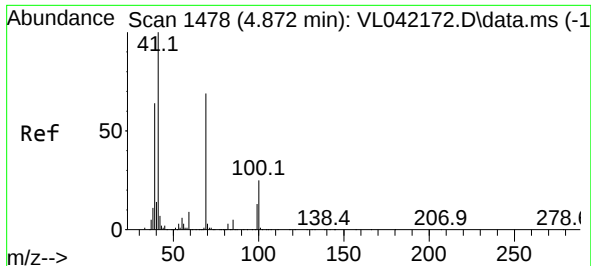
Tgt Ion: 42 Resp: 208736
Ion Ratio Lower Upper
42 100
72 36.5 31.4 47.0
71 35.6 30.2 45.4



#42
Bromodichloromethane
Concen: 11.230 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 83 Resp: 436058
Ion Ratio Lower Upper
83 100
85 61.8 50.5 75.7
127 7.2 5.9 8.9

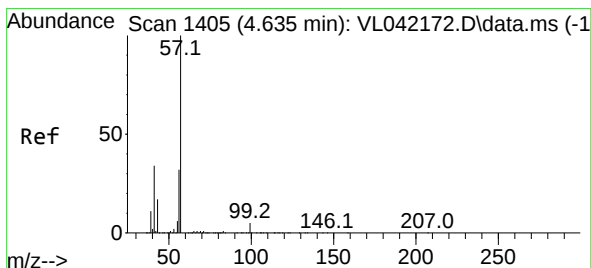
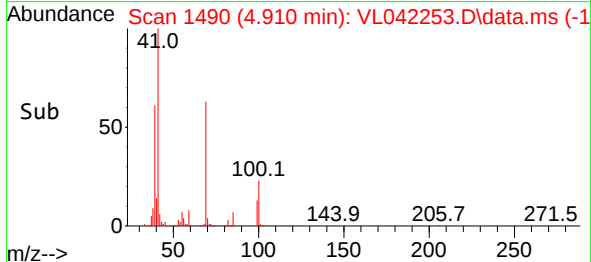
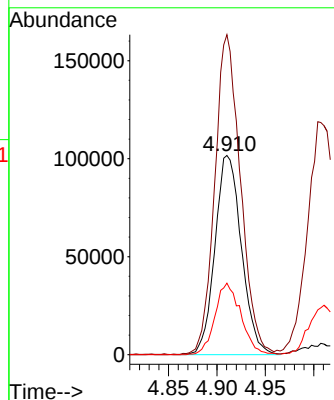
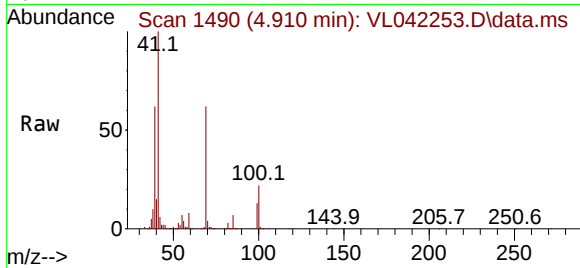




#43
Methyl Methacrylate
Concen: 9.288 ppbv
RT: 4.910 min Scan# 1490
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

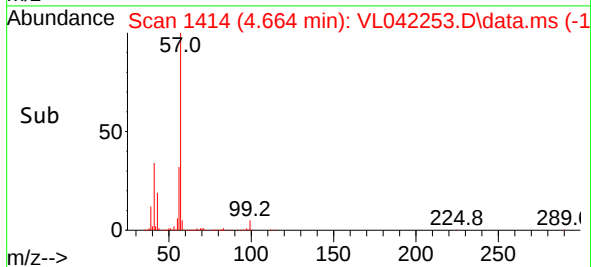
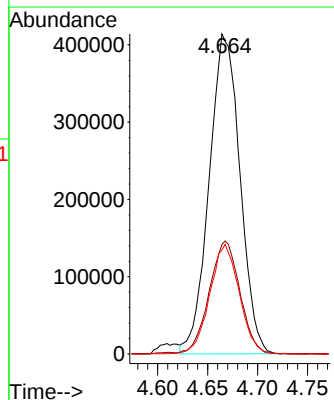
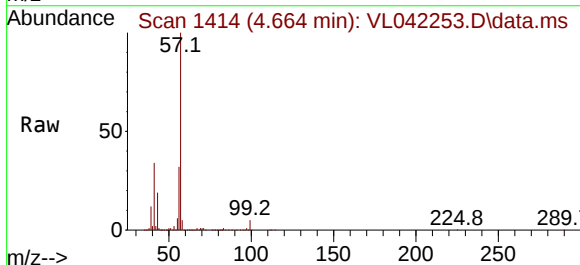
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

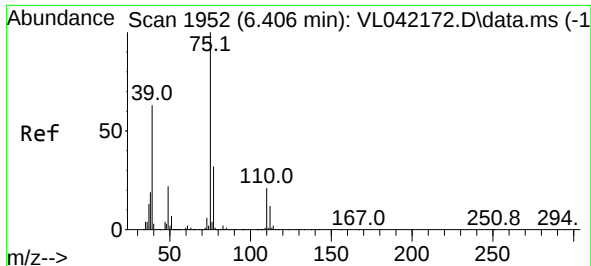
Tgt Ion: 69 Resp: 193449
Ion Ratio Lower Upper
69 100
41 156.1 123.8 185.6
100 35.2 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 10.687 ppbv
RT: 4.664 min Scan# 1414
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 57 Resp: 888509
Ion Ratio Lower Upper
57 100
41 35.5 26.8 40.2
56 32.8 25.6 38.4

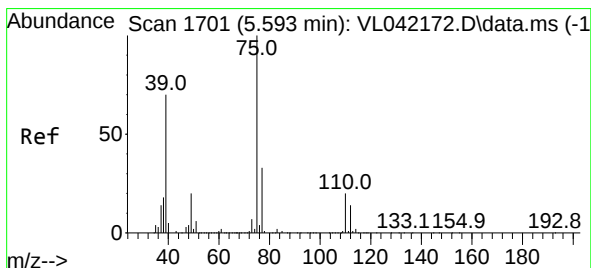
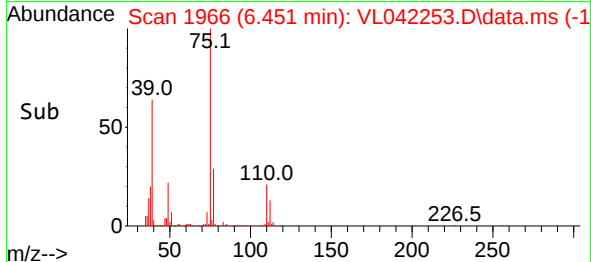
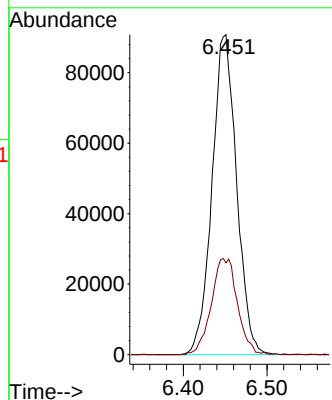
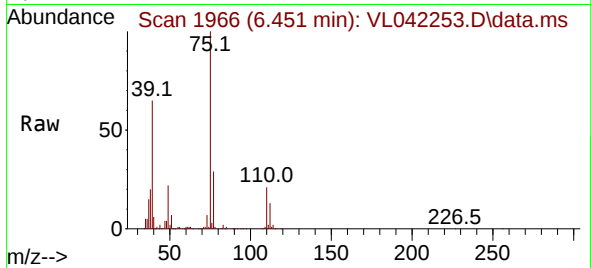




#45
t-1,3-Dichloropropene
Concen: 8.273 ppbv
RT: 6.451 min Scan# 1966
Delta R.T. 0.045 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

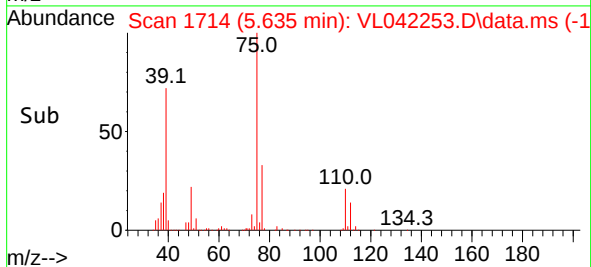
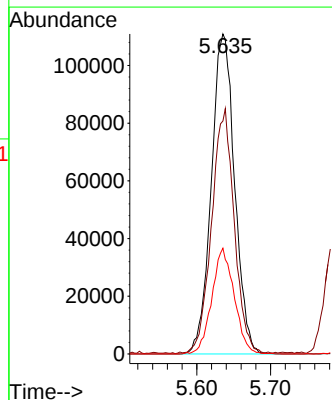
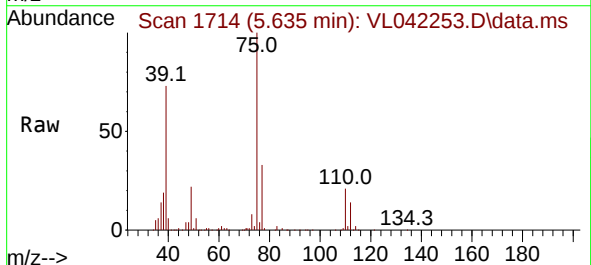
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

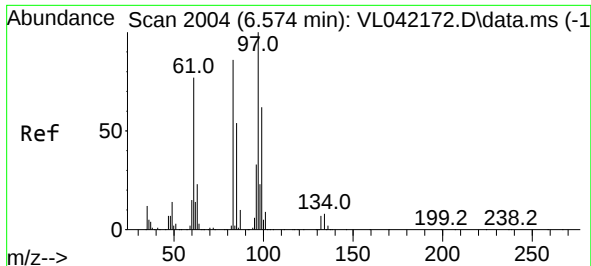
Tgt Ion: 75 Resp: 184866
Ion Ratio Lower Upper
75 100
77 28.7 26.0 39.0



#46
cis-1,3-Dichloropropene
Concen: 8.880 ppbv
RT: 5.635 min Scan# 1714
Delta R.T. 0.042 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 75 Resp: 243227
Ion Ratio Lower Upper
75 100
39 72.4 55.8 83.6
77 33.1 26.0 39.0

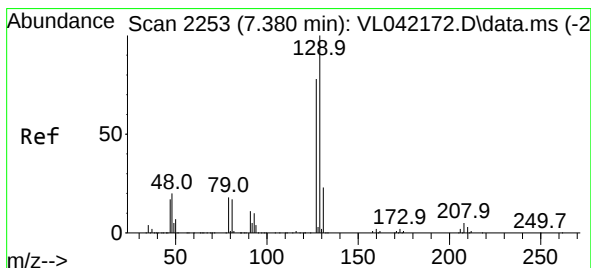
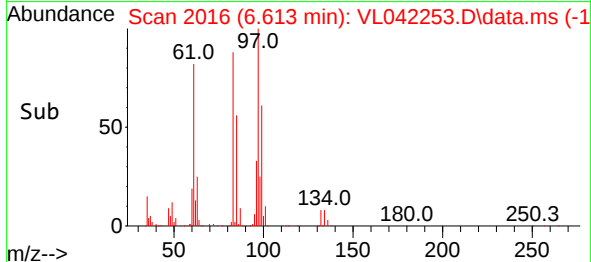
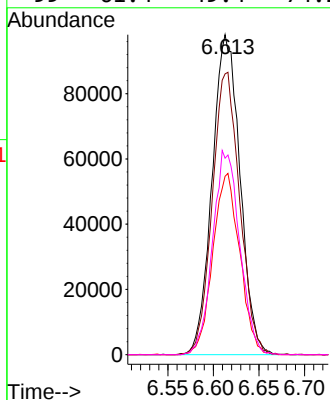
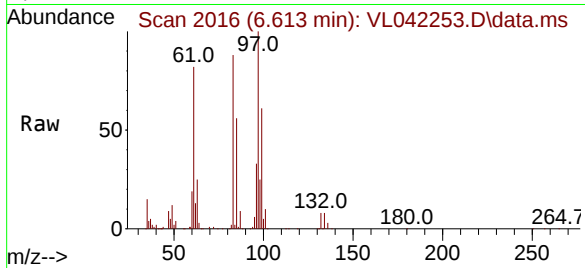




#47
1,1,2-Trichloroethane
Concen: 11.011 ppbv
RT: 6.613 min Scan# 20
Delta R.T. 0.039 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

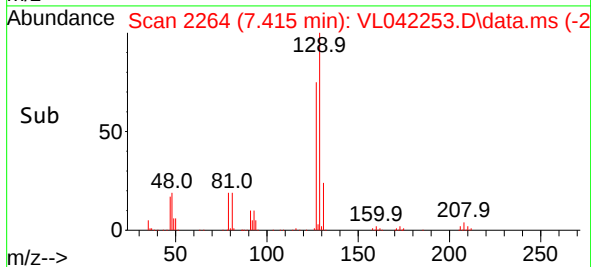
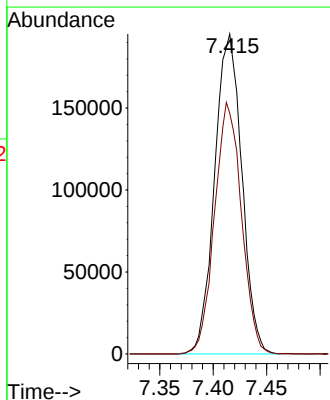
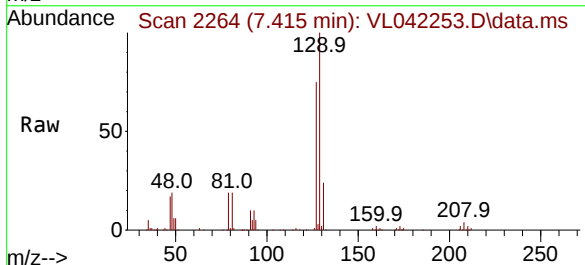
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

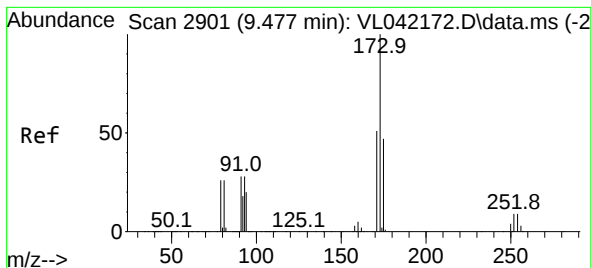
Tgt Ion: 97 Resp: 208553
Ion Ratio Lower Upper
97 100
83 87.6 69.2 103.8
85 55.8 43.1 64.7
99 61.4 49.4 74.2



#48
Dibromochloromethane
Concen: 10.783 ppbv
RT: 7.415 min Scan# 2264
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 129 Resp: 346117
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





#49

Bromoform

Concen: 10.395 ppbv

RT: 9.503 min Scan# 2909

Delta R.T. 0.026 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

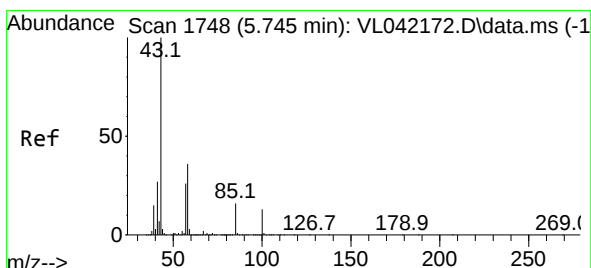
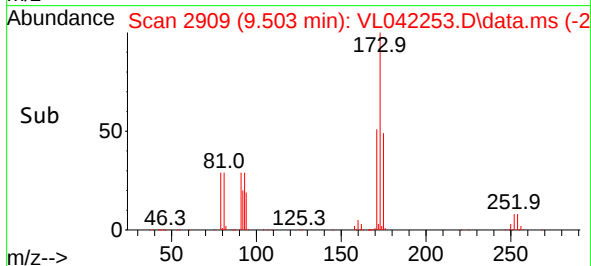
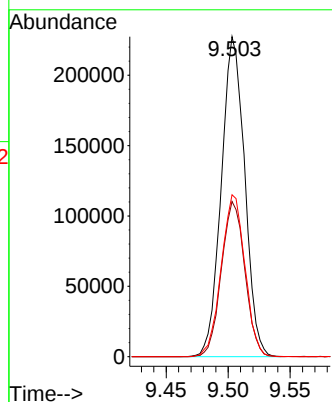
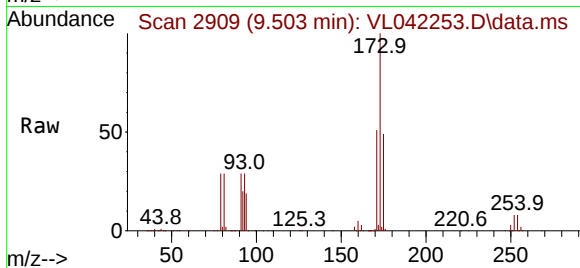
Tgt Ion:173 Resp: 299582

Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

171 51.3 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 9.519 ppbv

RT: 5.787 min Scan# 1761

Delta R.T. 0.042 min

Lab File: VL042253.D

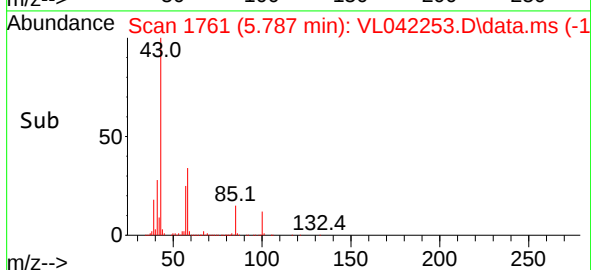
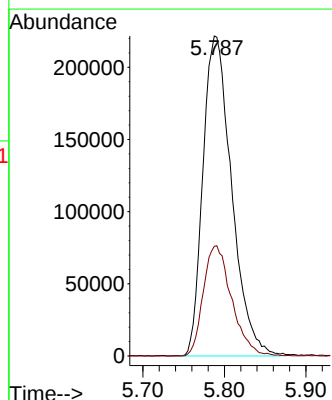
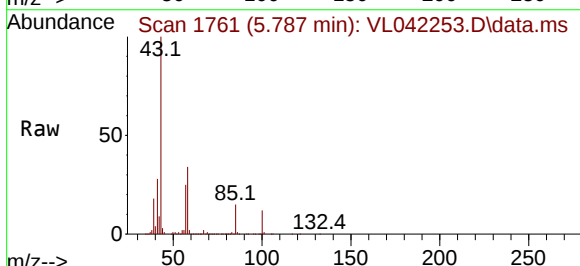
Acq: 08 Apr 2025 08:39

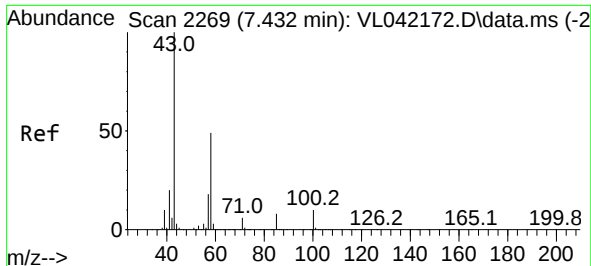
Tgt Ion: 43 Resp: 542853

Ion Ratio Lower Upper

43 100

58 34.0 29.0 43.6

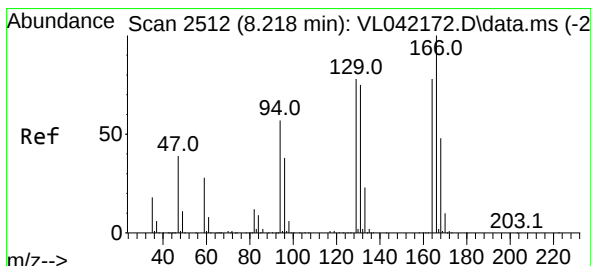
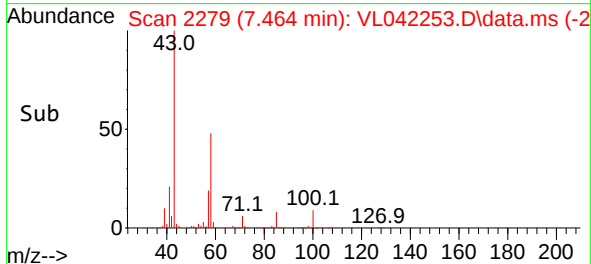
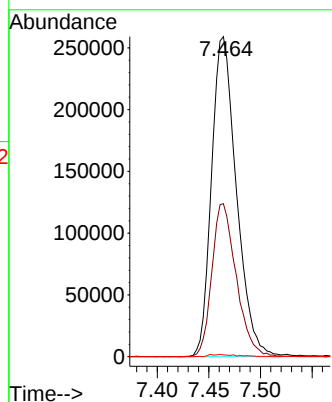
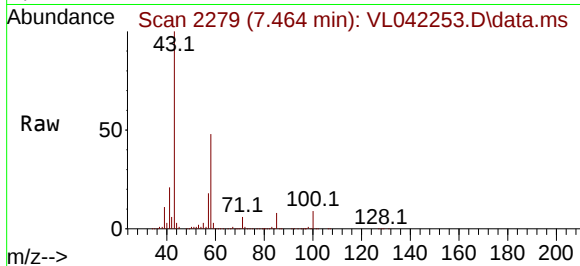




#51
2-Hexanone
Concen: 9.266 ppbv
RT: 7.464 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

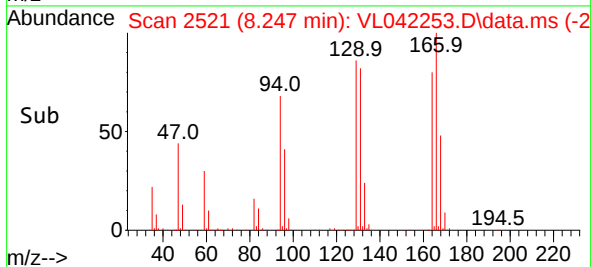
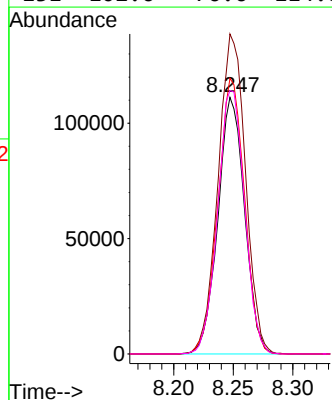
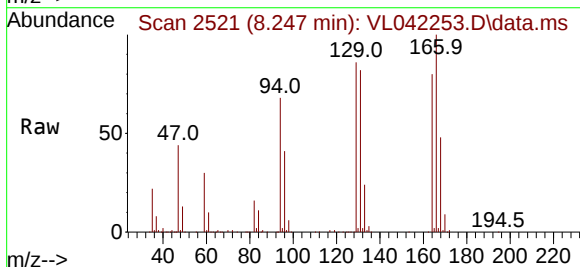
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

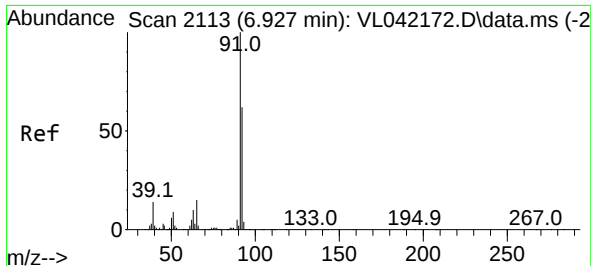
Tgt Ion: 43 Resp: 433929
Ion Ratio Lower Upper
43 100
58 46.9 39.7 59.5
98 0.8 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.862 ppbv
RT: 8.247 min Scan# 2521
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 164 Resp: 172915
Ion Ratio Lower Upper
164 100
166 124.7 102.5 153.7
129 107.4 79.8 119.8
131 102.6 76.6 114.8

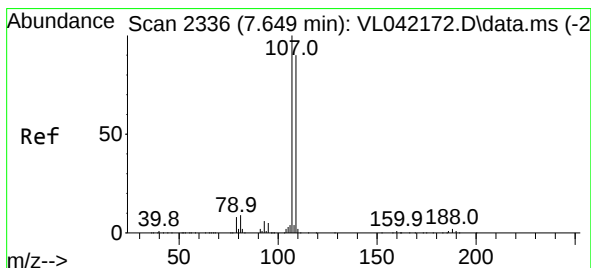
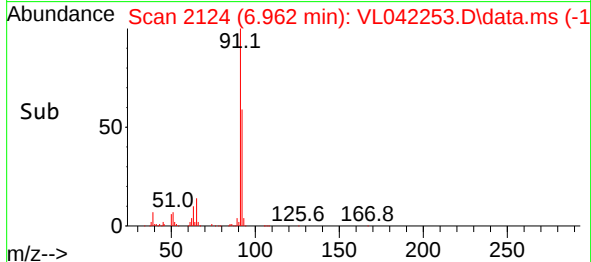
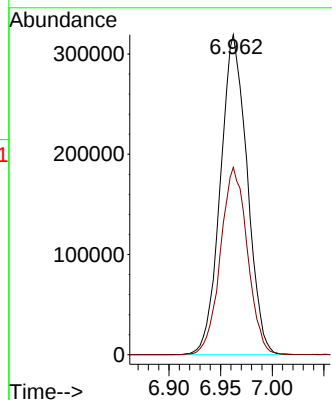
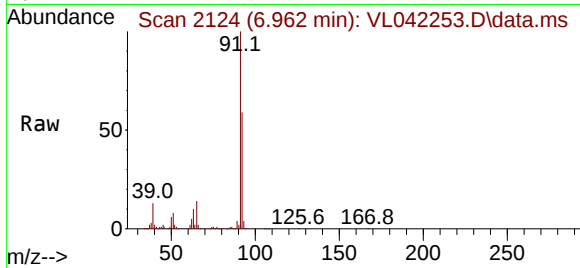




#53
Toluene
Concen: 9.853 ppbv
RT: 6.962 min Scan# 2113
Delta R.T. 0.035 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

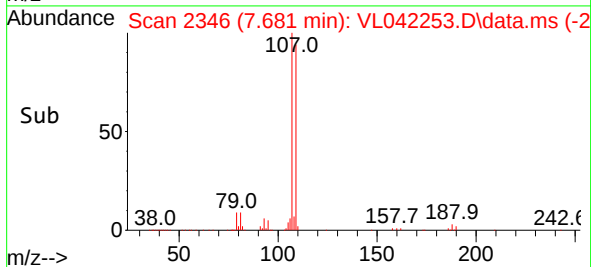
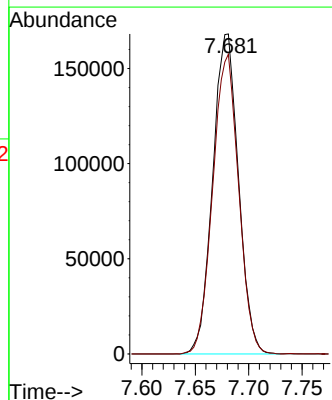
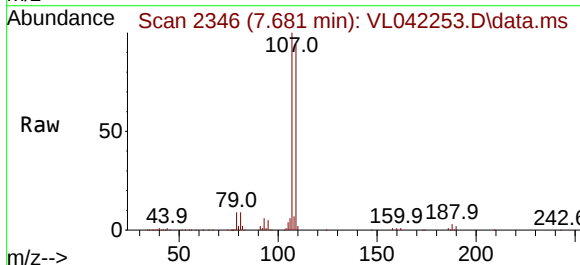
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

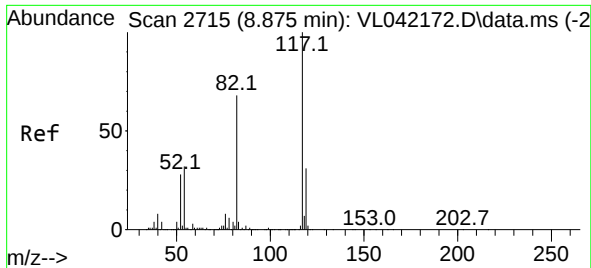
Tgt Ion: 91 Resp: 574664
Ion Ratio Lower Upper
91 100
92 59.1 48.4 72.6



#54
1,2-Dibromoethane
Concen: 10.659 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. 0.032 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 107 Resp: 281436
Ion Ratio Lower Upper
107 100
109 93.6 72.2 108.4

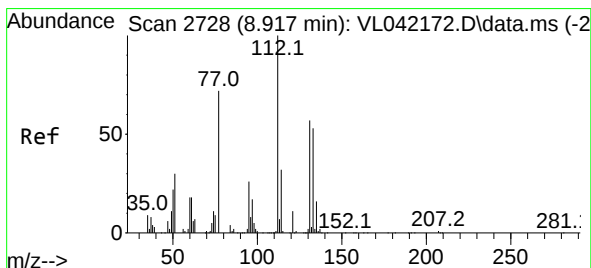
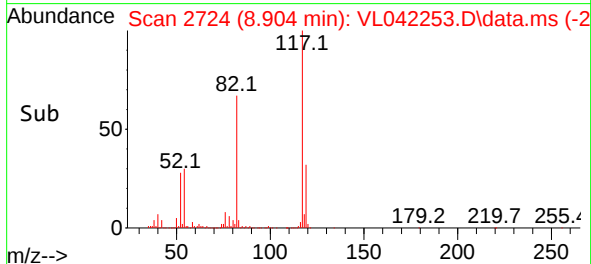
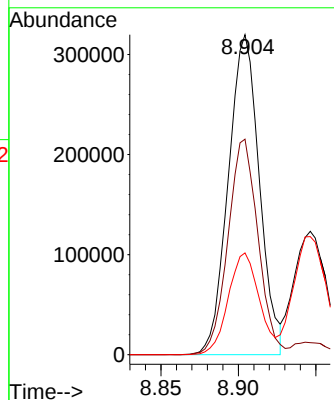
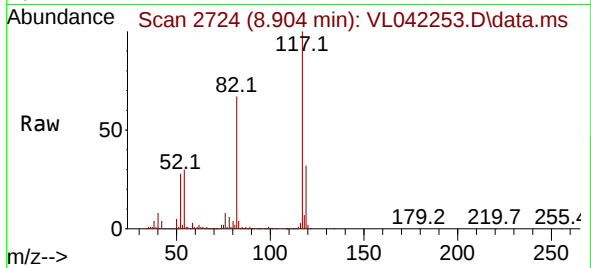




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 2173
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

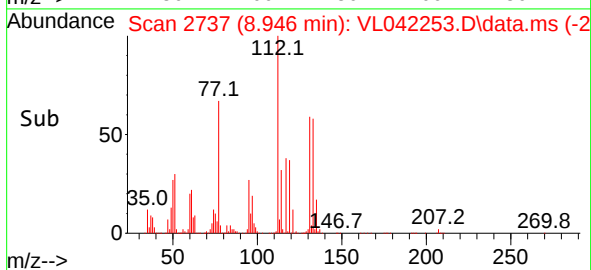
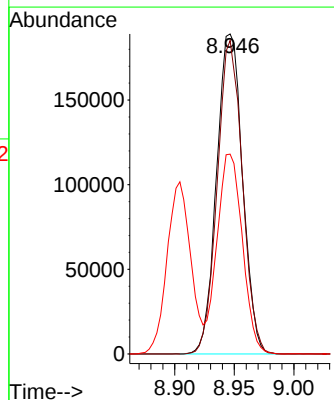
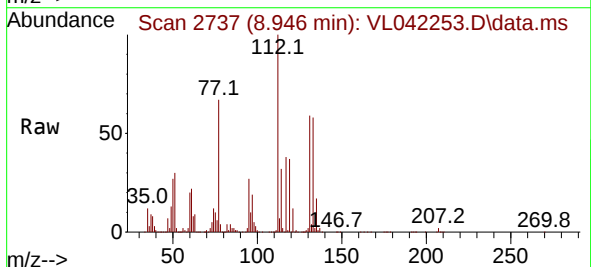
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

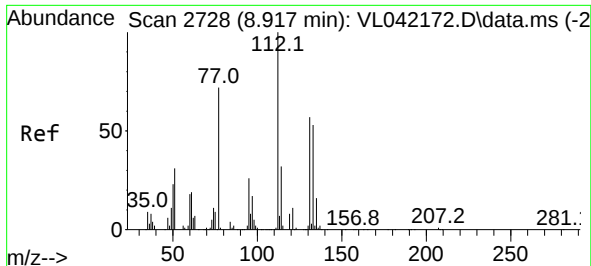
Tgt Ion:117 Resp: 446954
Ion Ratio Lower Upper
117 100
82 69.4 55.8 83.6
119 31.7 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 11.647 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.029 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion:131 Resp: 286554
Ion Ratio Lower Upper
131 100
133 94.6 76.6 114.8
119 62.4 49.8 74.6

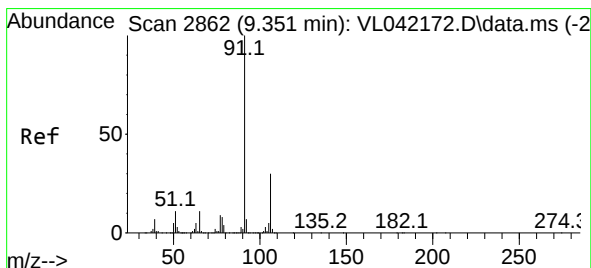
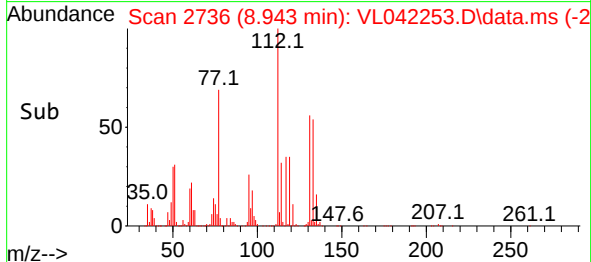
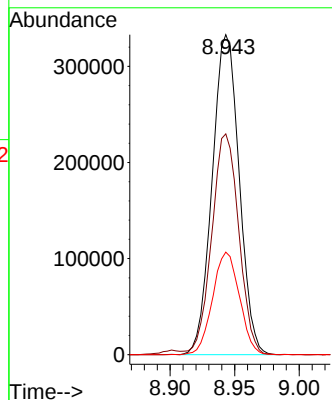
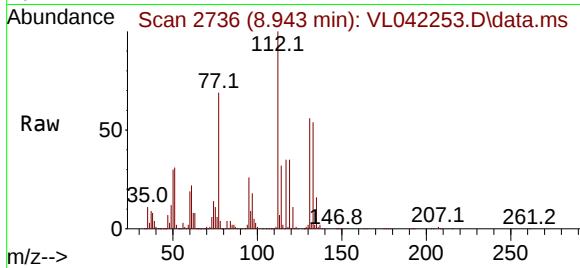




#57
Chlorobenzene
Concen: 11.411 ppbv
RT: 8.943 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

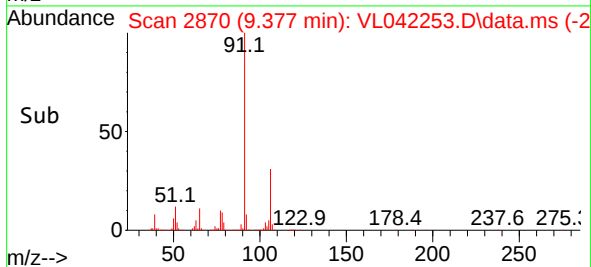
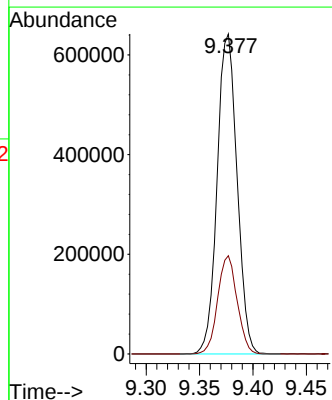
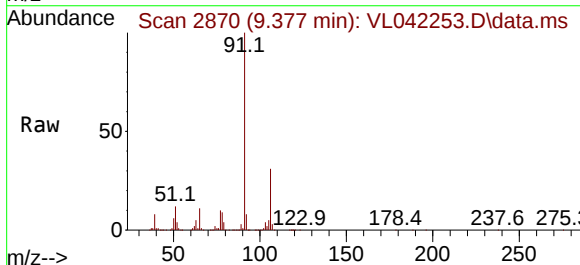
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

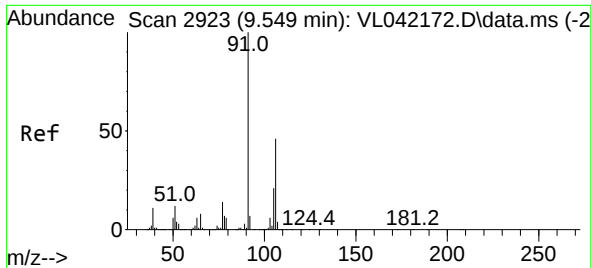
Tgt Ion:112 Resp: 483780
Ion Ratio Lower Upper
112 100
77 69.0 58.2 87.2
114 32.1 29.1 35.5



#58
Ethyl Benzene
Concen: 10.479 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 831947
Ion Ratio Lower Upper
91 100
106 30.7 24.2 36.2





#59

m/p-Xylene

Concen: 10.839 ppbv

RT: 9.571 min Scan# 2923

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

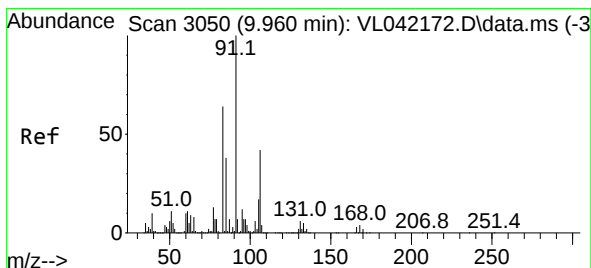
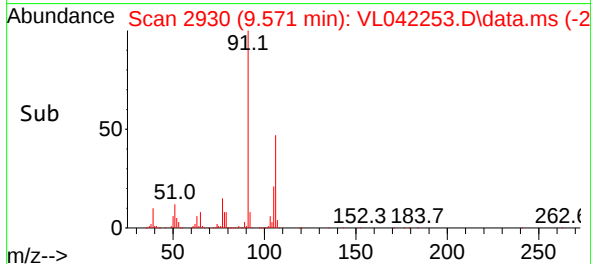
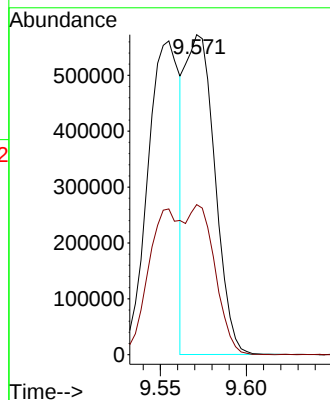
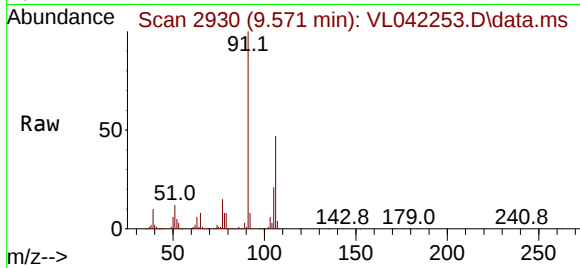
VSTDCCC010

Tgt Ion: 91 Resp: 687151

Ion Ratio Lower Upper

91 100

106 95.4 36.4 54.6#



#60

o-Xylene

Concen: 10.958 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.023 min

Lab File: VL042253.D

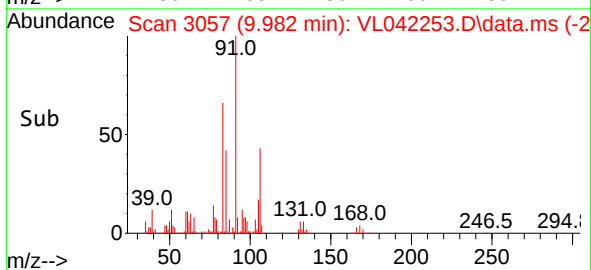
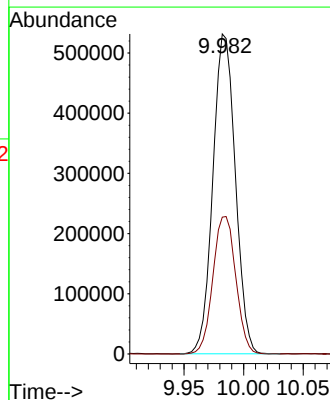
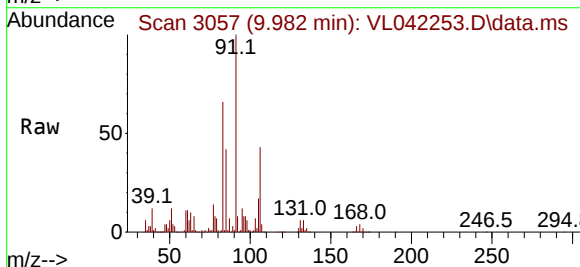
Acq: 08 Apr 2025 08:39

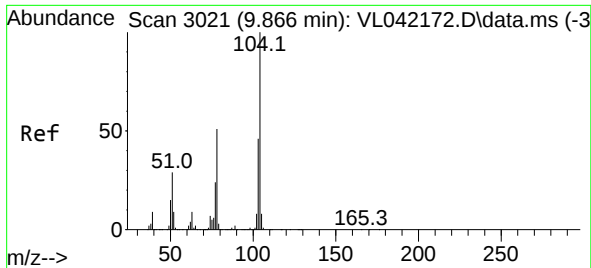
Tgt Ion: 91 Resp: 696371

Ion Ratio Lower Upper

91 100

106 43.8 20.8 62.5





#61

Styrene

Concen: 9.965 ppbv

RT: 9.891 min Scan# 3021

Delta R.T. 0.026 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

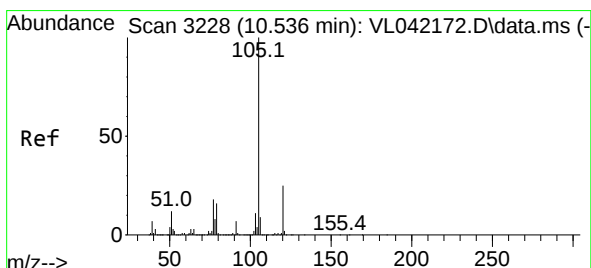
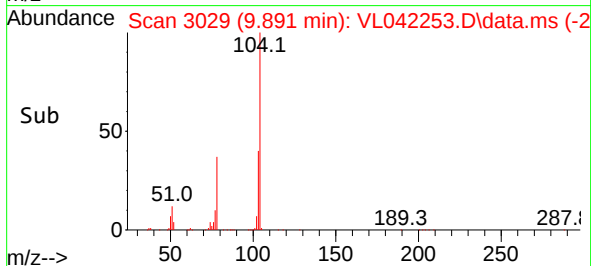
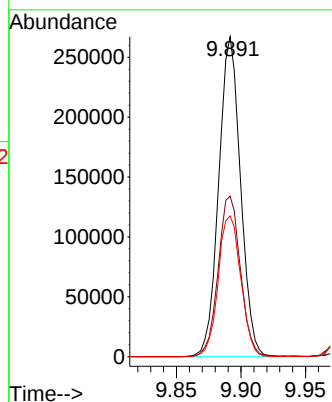
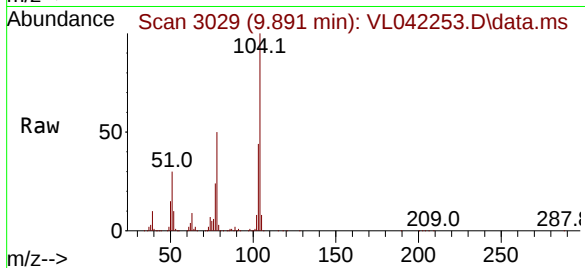
Tgt Ion:104 Resp: 313307

Ion Ratio Lower Upper

104 100

78 51.4 41.8 62.6

103 45.8 37.0 55.4



#62

Isopropylbenzene

Concen: 10.988 ppbv

RT: 10.558 min Scan# 3235

Delta R.T. 0.023 min

Lab File: VL042253.D

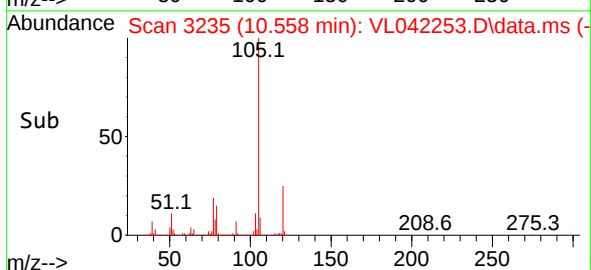
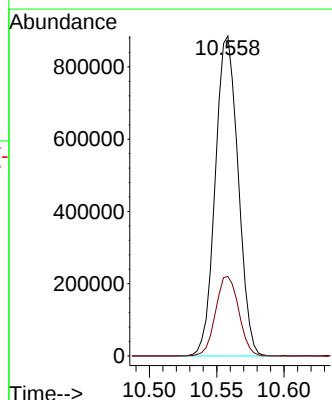
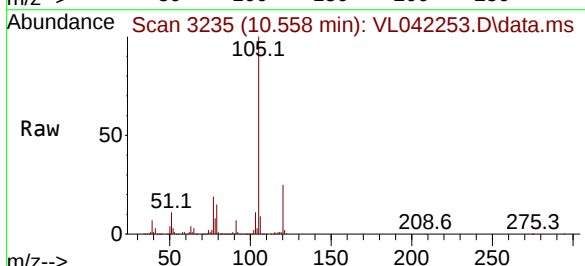
Acq: 08 Apr 2025 08:39

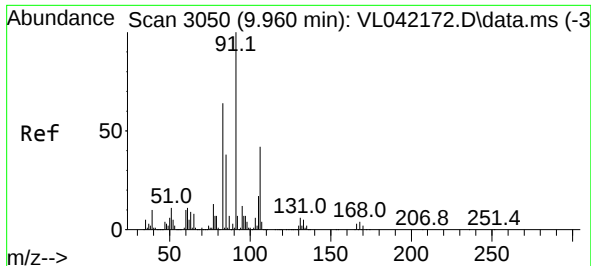
Tgt Ion:105 Resp: 1044218

Ion Ratio Lower Upper

105 100

120 25.2 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 11.938 ppbv

RT: 9.982 min Scan# 3050

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

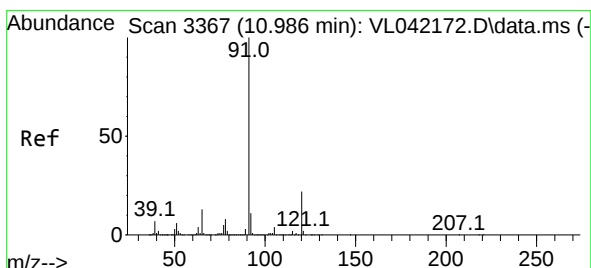
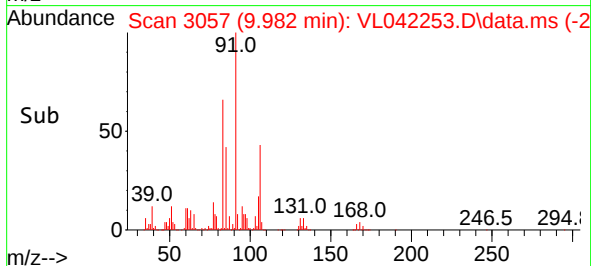
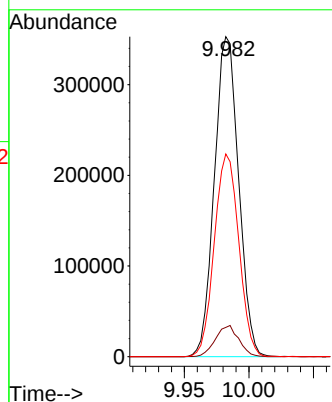
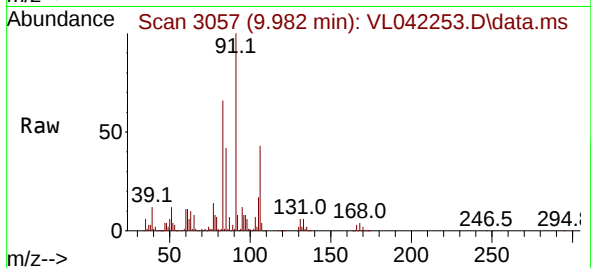
Tgt Ion: 83 Resp: 460968

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.4

85 64.0 32.5 97.5



#64

n-propylbenzene

Concen: 11.439 ppbv

RT: 11.005 min Scan# 3373

Delta R.T. 0.019 min

Lab File: VL042253.D

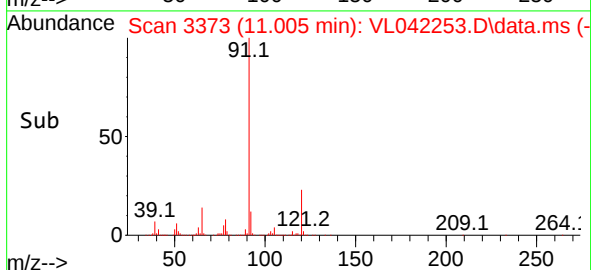
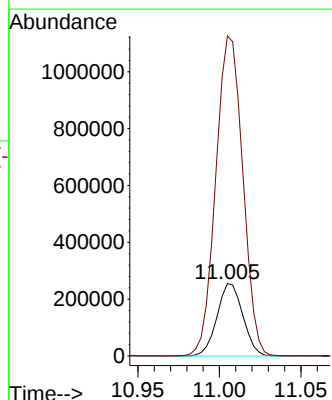
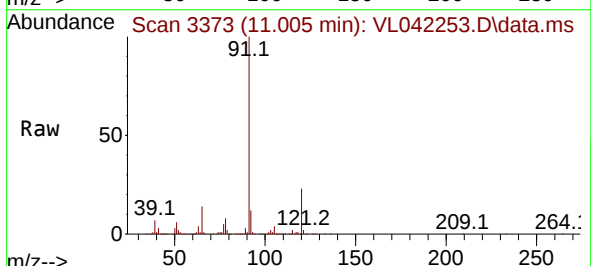
Acq: 08 Apr 2025 08:39

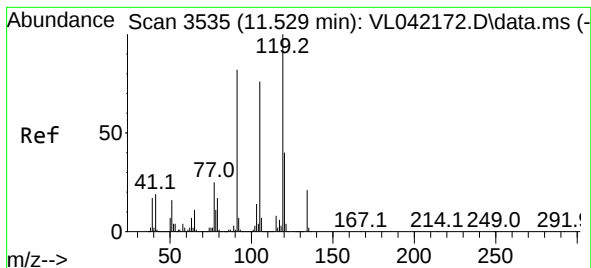
Tgt Ion: 120 Resp: 279848

Ion Ratio Lower Upper

120 100

91 464.8 376.9 565.3





#65

tert-Butylbenzene

Concen: 10.755 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

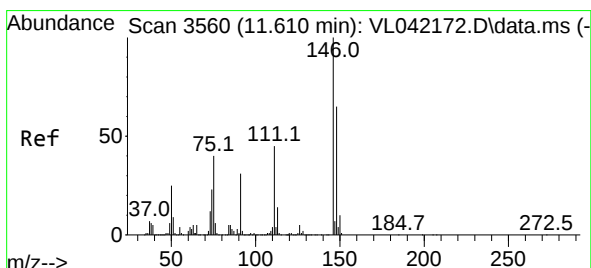
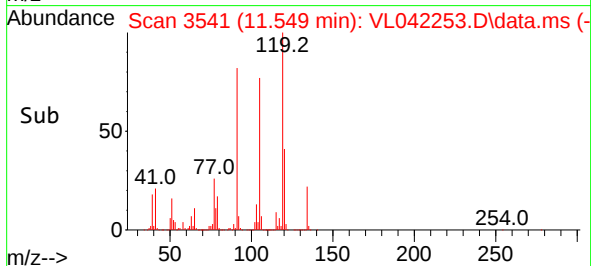
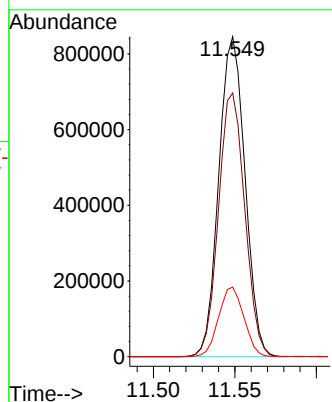
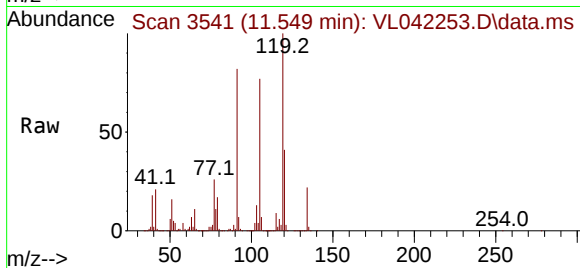
Tgt Ion:119 Resp: 945232

Ion Ratio Lower Upper

119 100

91 82.7 66.0 99.0

134 21.0 16.7 25.1



#66

Benzyl Chloride

Concen: 6.992 ppbv

RT: 11.633 min Scan# 3567

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

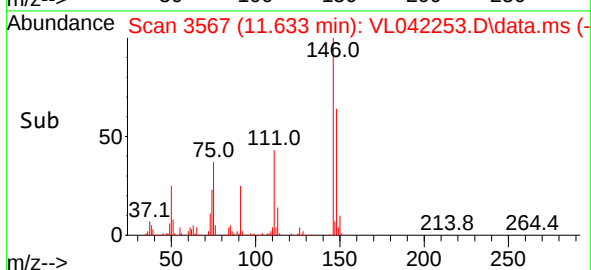
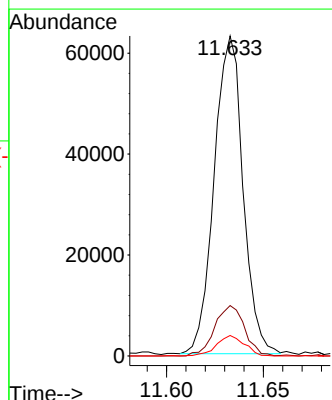
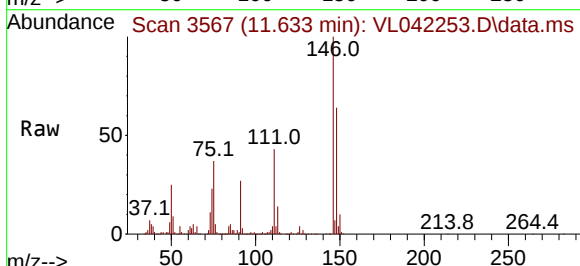
Tgt Ion: 91 Resp: 65203

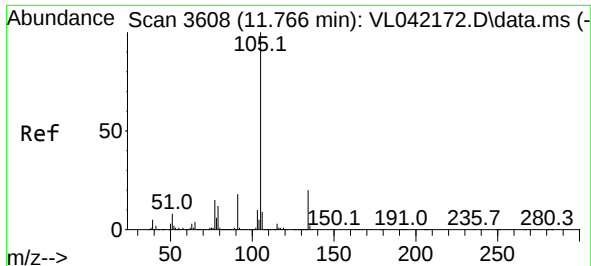
Ion Ratio Lower Upper

91 100

126 16.6 13.8 20.6

128 6.3 4.5 6.7





#67

sec-Butylbenzene

Concen: 10.994 ppbv

RT: 11.785 min Scan# 3184

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

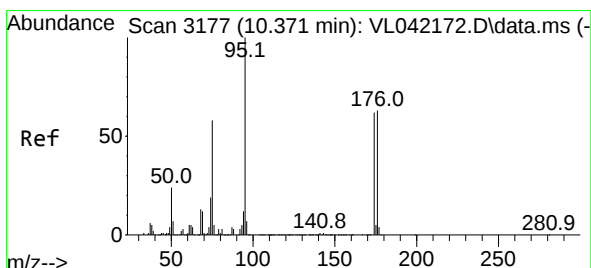
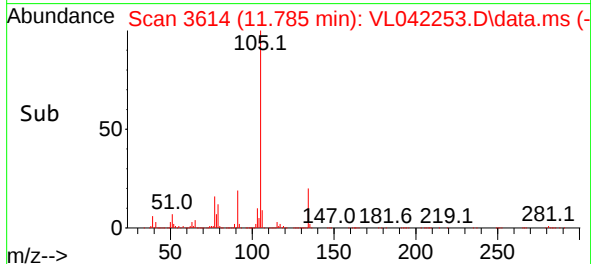
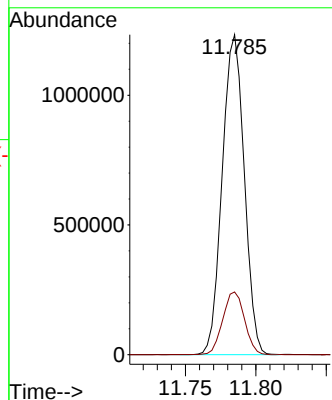
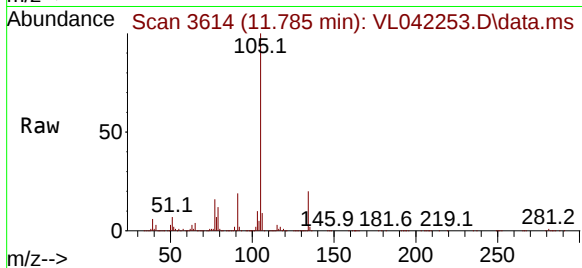
VSTDCCC010

Tgt Ion:105 Resp: 1343060

Ion Ratio Lower Upper

105 100

134 19.4 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 9.991 ppbv

RT: 10.393 min Scan# 3184

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

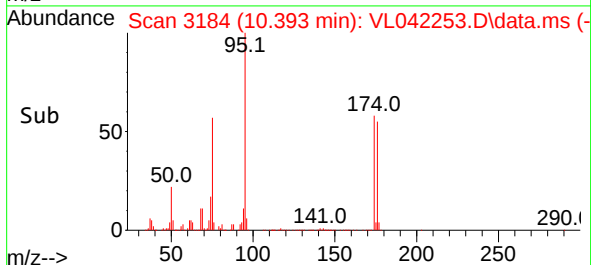
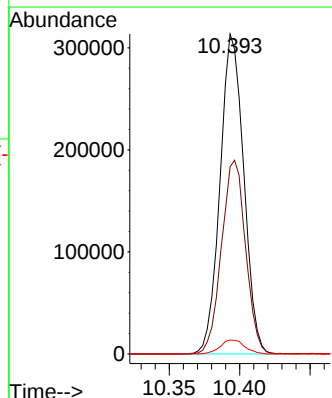
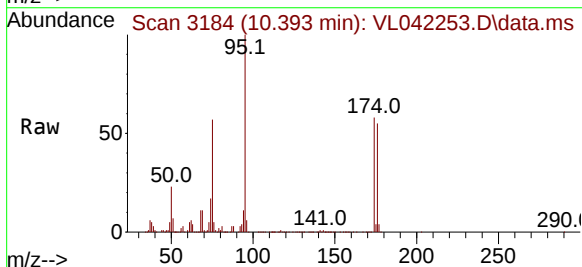
Tgt Ion: 95 Resp: 366722

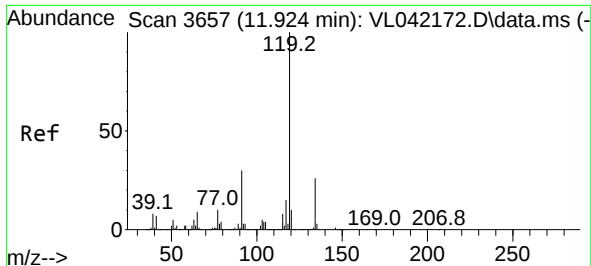
Ion Ratio Lower Upper

95 100

174 61.7 50.6 76.0

175 4.5 3.8 5.6

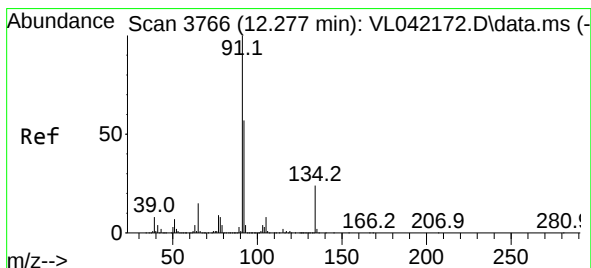
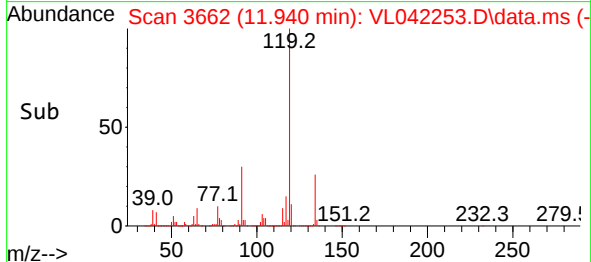
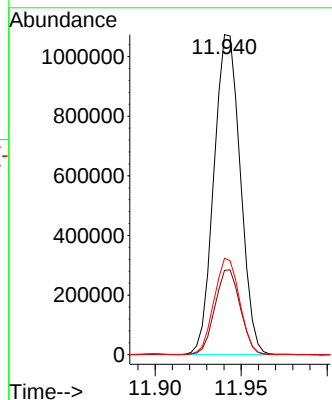
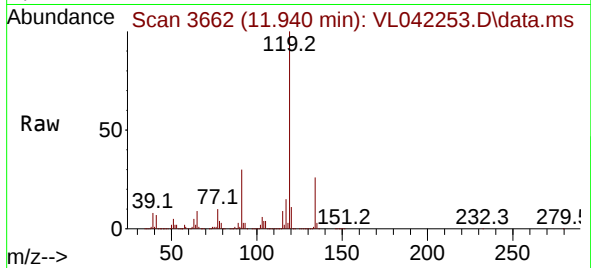




#69
p-Isopropyltoluene
Concen: 10.882 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. 0.016 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

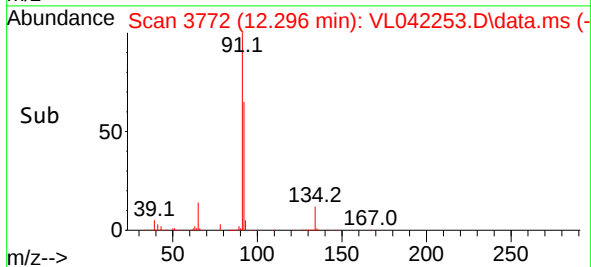
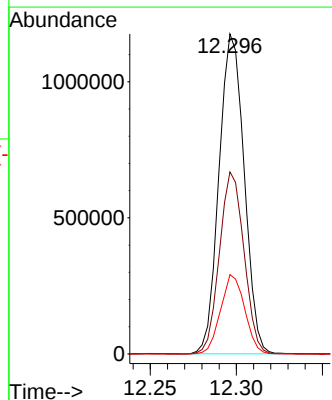
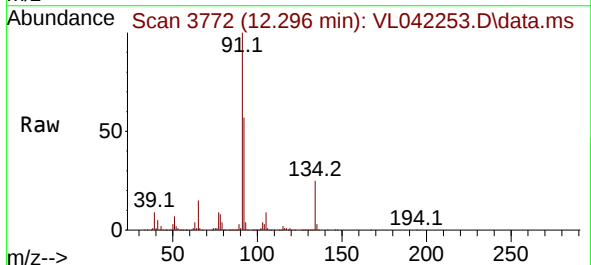
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

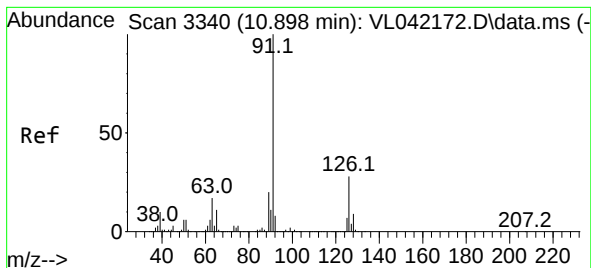
Tgt Ion:119 Resp: 1144759
Ion Ratio Lower Upper
119 100
134 25.7 20.4 30.6
91 29.3 23.7 35.5



#70
n-Butylbenzene
Concen: 11.103 ppbv
RT: 12.296 min Scan# 3772
Delta R.T. 0.019 min
Lab File: VL042253.D
Acq: 08 Apr 2025 08:39

Tgt Ion: 91 Resp: 1194481
Ion Ratio Lower Upper
91 100
92 55.7 44.9 67.3
134 23.8 19.2 28.8





#71

2-Chlorotoluene

Concen: 10.935 ppbv

RT: 10.918 min Scan# 31

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

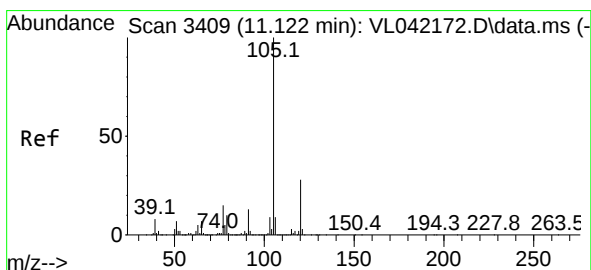
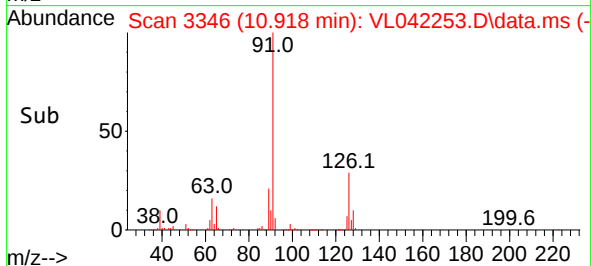
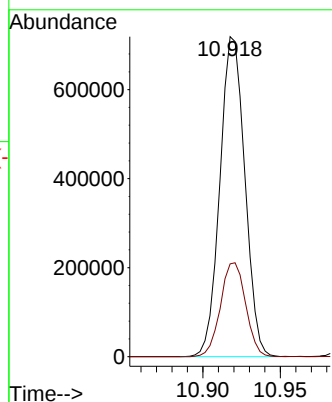
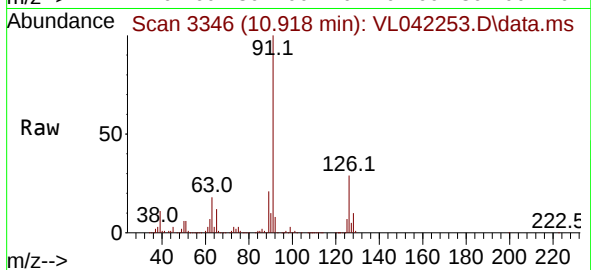
VSTDCCC010

Tgt Ion: 91 Resp: 806572

Ion Ratio Lower Upper

91 100

126 29.6 11.6 46.4



#72

4-Ethyltoluene

Concen: 11.190 ppbv

RT: 11.141 min Scan# 3415

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion: 105 Resp: 885452

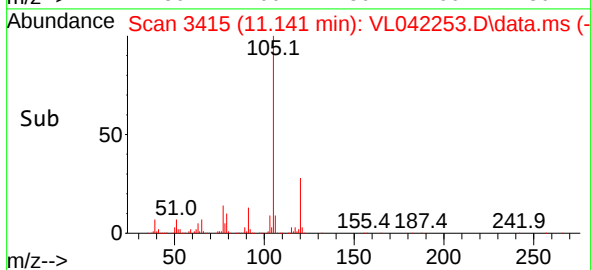
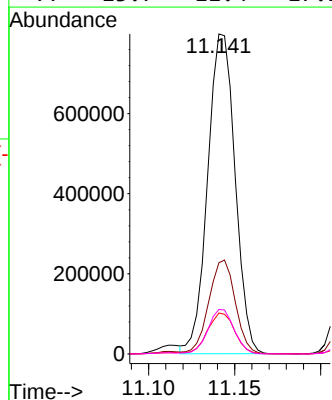
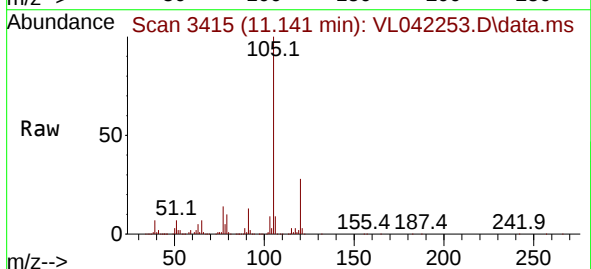
Ion Ratio Lower Upper

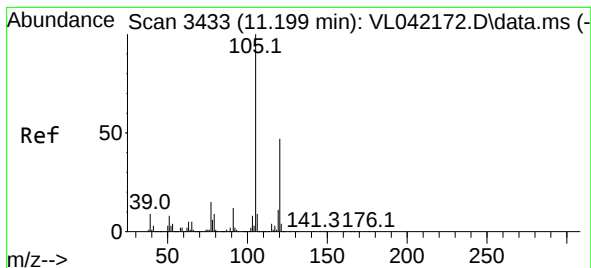
105 100

120 29.1 23.4 35.0

91 13.2 10.3 15.5

77 13.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 11.080 ppbv

RT: 11.222 min Scan# 3433

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_1

ClientSampleId :

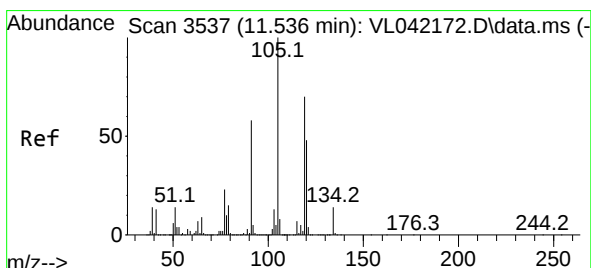
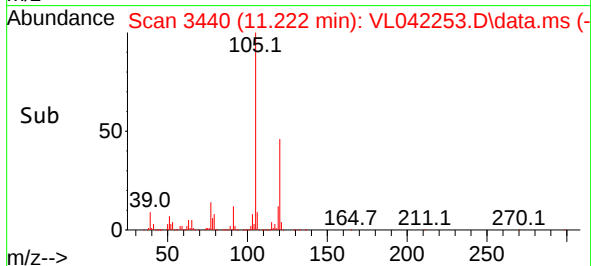
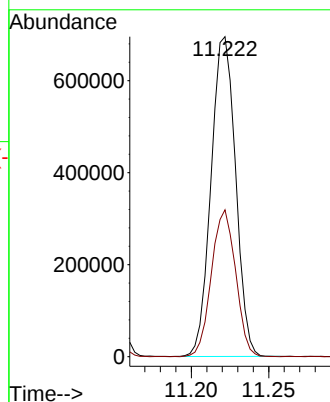
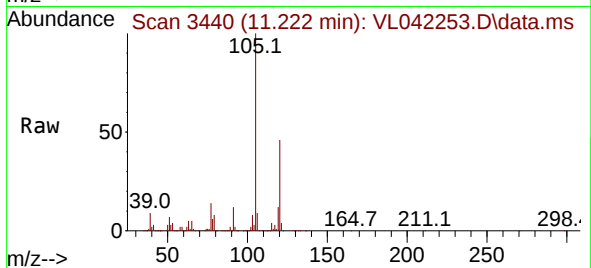
VSTDCCC010

Tgt Ion:105 Resp: 765708

Ion Ratio Lower Upper

105 100

120 45.9 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 10.660 ppbv

RT: 11.555 min Scan# 3543

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Tgt Ion:105 Resp: 848667

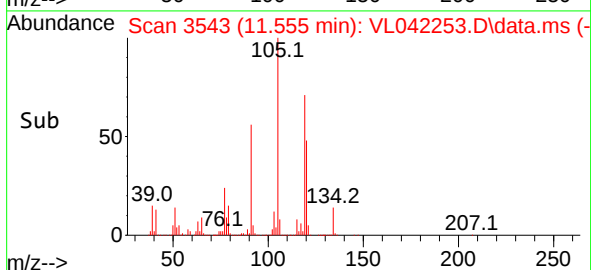
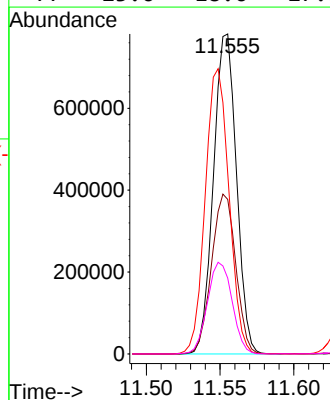
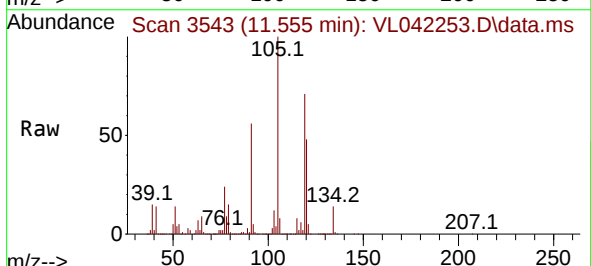
Ion Ratio Lower Upper

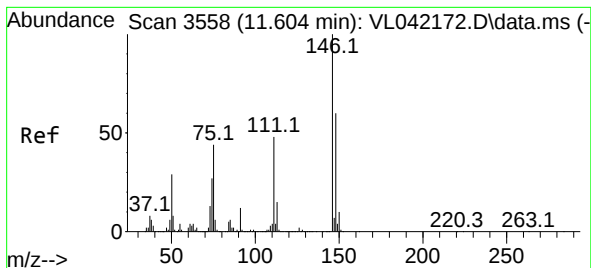
105 100

120 48.3 38.6 58.0

91 56.4 46.2 69.2

77 23.6 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 11.584 ppbv

RT: 11.626 min Scan# 3558

Delta R.T. 0.023 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

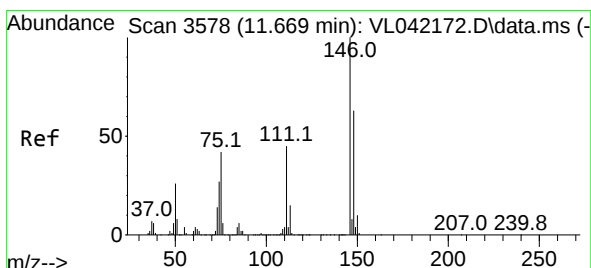
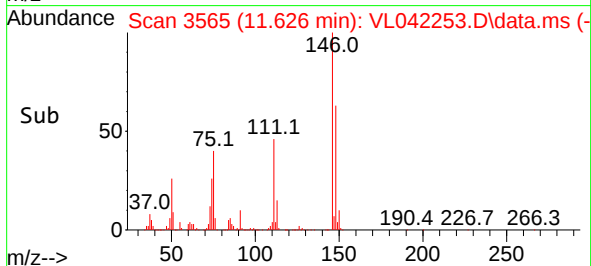
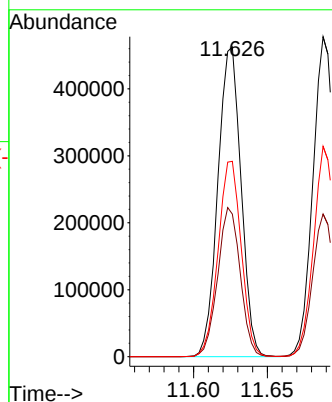
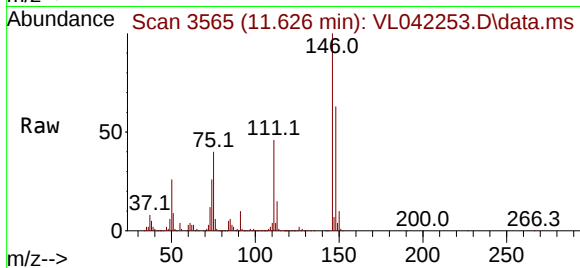
Tgt Ion:146 Resp: 505824

Ion Ratio Lower Upper

146 100

111 46.9 23.8 71.2

148 62.9 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 11.634 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

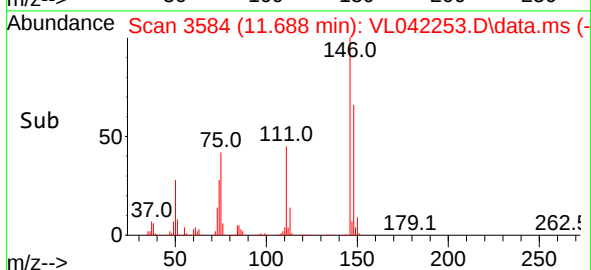
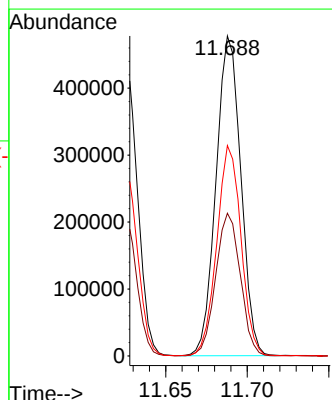
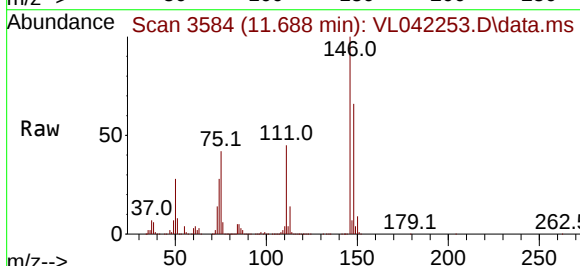
Tgt Ion:146 Resp: 505562

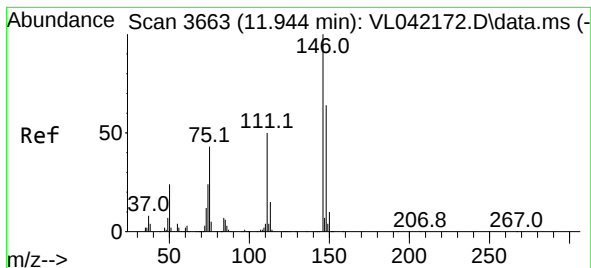
Ion Ratio Lower Upper

146 100

111 44.5 23.0 69.0

148 64.5 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 11.837 ppbv

RT: 11.963 min Scan# 3

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

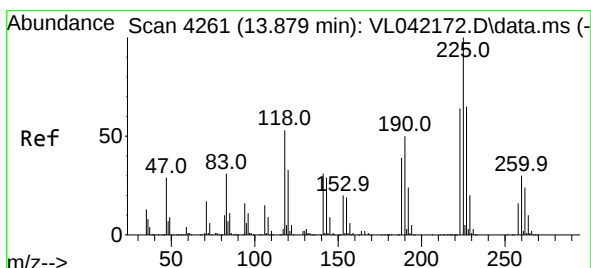
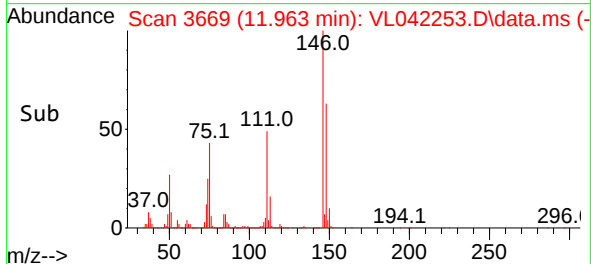
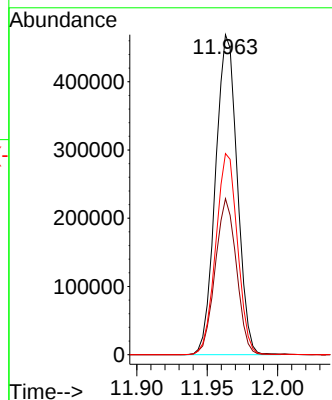
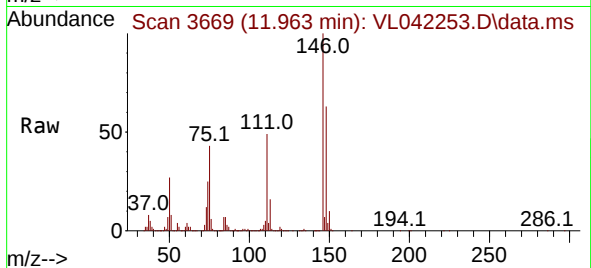
Tgt Ion:146 Resp: 503274

Ion Ratio Lower Upper

146 100

111 47.8 24.8 74.3

148 63.0 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 9.223 ppbv

RT: 13.895 min Scan# 4266

Delta R.T. 0.016 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

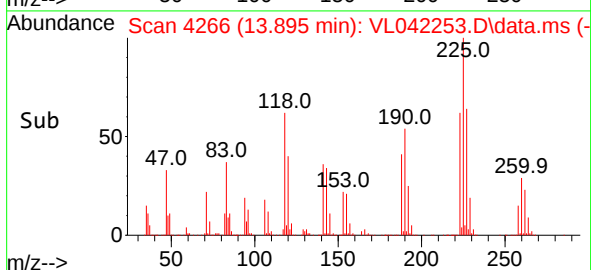
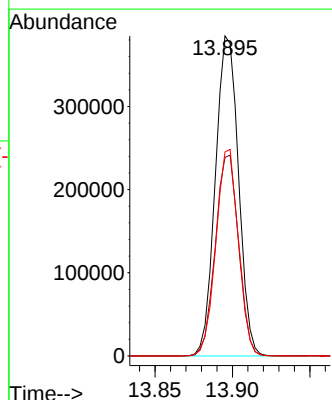
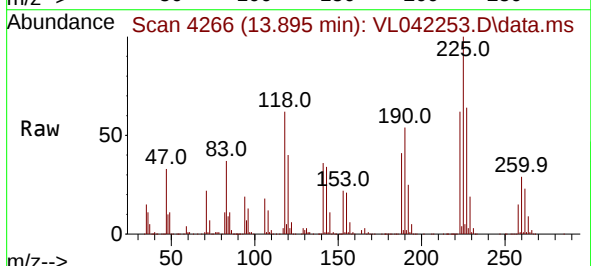
Tgt Ion:225 Resp: 399147

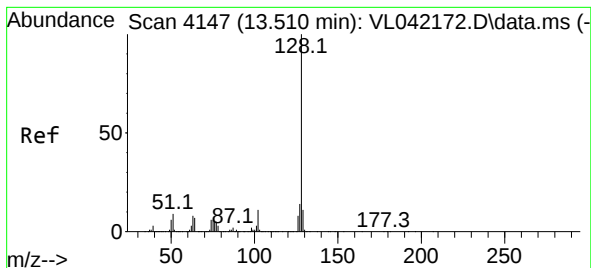
Ion Ratio Lower Upper

225 100

223 62.9 50.6 76.0

227 62.9 51.2 76.8





#79

Naphthalene

Concen: 11.108 ppbv

RT: 13.529 min Scan# 4147

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

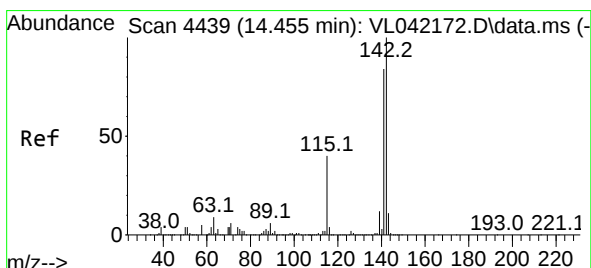
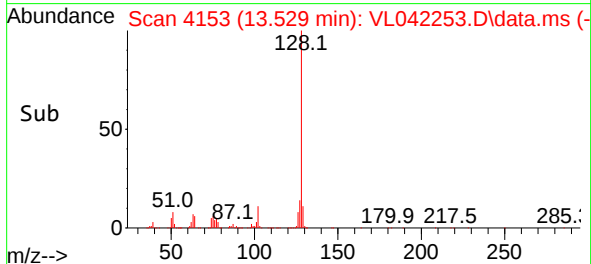
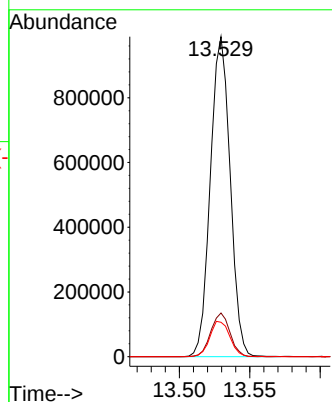
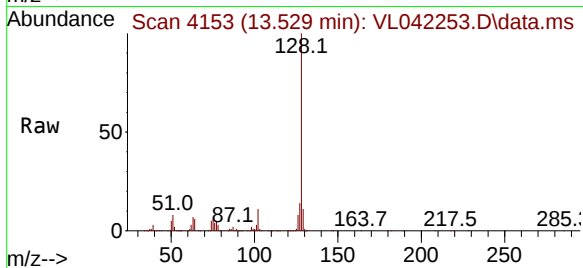
Tgt Ion:128 Resp: 967317

Ion Ratio Lower Upper

128 100

127 13.7 10.8 16.2

129 10.8 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 10.723 ppbv

RT: 14.475 min Scan# 4445

Delta R.T. 0.019 min

Lab File: VL042253.D

Acq: 08 Apr 2025 08:39

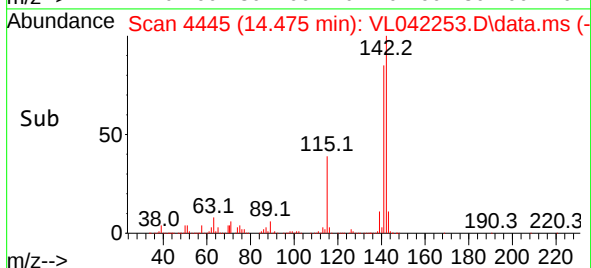
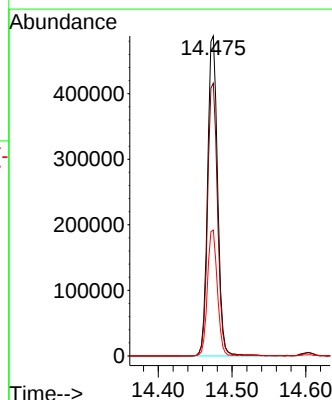
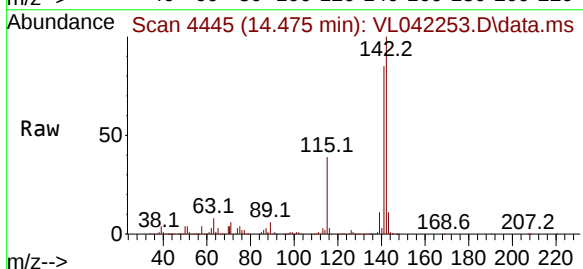
Tgt Ion:142 Resp: 457943

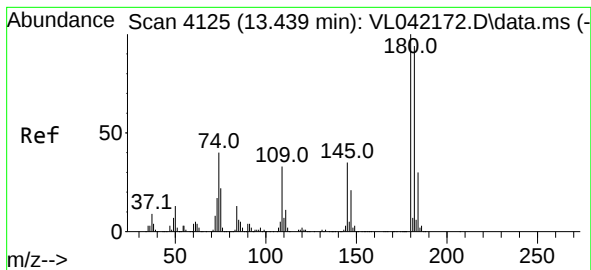
Ion Ratio Lower Upper

142 100

141 85.5 66.3 99.5

115 39.3 31.6 47.4





#81

1,2,4-Trichlorobenzene

Concen: 10.592 ppbv

RT: 13.455 min Scan# 41

Delta R.T. 0.016 min

Lab File: VL042253.D

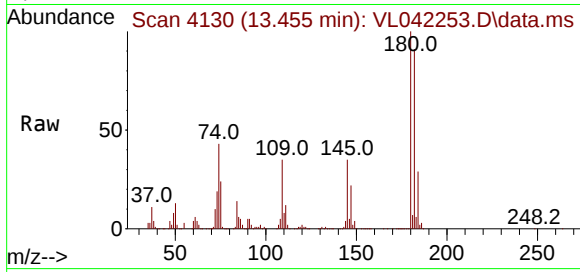
Acq: 08 Apr 2025 08:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 425466

Ion Ratio Lower Upper

180 100

182 94.6 75.1 112.7

184 30.4 24.4 36.6

