

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042553.D
 Acq On : 20 May 2025 14:01
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: May 20 23:30:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	117269	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	388785	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	334978	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	261147	9.741	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	2402	0.110	ppbv	95
3) Chlorodifluoromethane	1.479	51	1934	0.107	ppbv	100
4) Chloromethane	1.534	50	868	0.123	ppbv	96
5) Vinyl Chloride	1.583	62	818	0.105	ppbv	96
6) Bromomethane	1.670	94	578	0.129	ppbv	85
7) Chloroethane	1.703	64	426	0.136	ppbv #	73
8) Dichlorotetrafluoroethane	1.557	85	2071	0.111	ppbv	93
9) Propene	1.486	41	792	0.126	ppbv	93
10) Heptane	4.991	43	606	0.037	ppbv #	13
11) Trichlorofluoromethane	1.878	101	2250	0.098	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.140	101	1973	0.107	ppbv	93
13) Ethanol	1.725	45	271	0.298	ppbv #	37
14) Bromoethene	1.787	108	689	0.099	ppbv #	74
15) Acetone	1.842	43	2908	0.178	ppbv	91
16) 1,3-Butadiene	1.612	39	960	0.145	ppbv #	77
17) tert-Butyl alcohol	2.046	59	2351	0.124	ppbv #	78
18) 1,1-Dichloroethene	2.039	96	931	0.112	ppbv	93
19) Isopropyl Alcohol	1.894	45	1174	0.126	ppbv #	34
20) Methylene Chloride	2.065	84	2084	0.263	ppbv	87
21) Allyl Chloride	2.098	41	1394	0.133	ppbv #	86
22) trans-1,2-Dichloroethene	2.344	96	1040	0.112	ppbv	84
23) Vinyl Acetate	2.470	43	2113	0.111	ppbv #	71
24) 1,1-Dichloroethane	2.415	63	1687	0.106	ppbv #	95
25) Ethyl Acetate	2.849	43	2427	0.077	ppbv #	92
26) Hexane	2.829	57	1467	0.103	ppbv	89
27) Carbon Disulfide	2.156	76	2156	0.104	ppbv #	65
28) Methyl tert-Butyl Ether	2.444	73	1178	0.122	ppbv	94
29) Chloroform	2.855	83	2787	0.103	ppbv	100
30) Cyclohexane	3.858	84	370	0.030	ppbv #	1
31) cis-1,2-Dichloroethene	2.726	61	1692	0.108	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	2659	0.096	ppbv	97
34) 2-Butanone	2.570	43	2463	0.119	ppbv #	90
35) Carbon Tetrachloride	3.771	117	2782	0.094	ppbv	94
36) Benzene	3.667	78	2978	0.095	ppbv #	92
37) 1,2-Dichloroethane	3.227	62	2055	0.107	ppbv #	91
38) Trichloroethene	4.557	130	1269	0.088	ppbv	86
39) 1,2-Dichloropropane	3.965	63	90999	8.240	ppbv #	24
40) 1,4-Dioxane	4.616	88	188	0.038	ppbv #	1
41) Tetrahydrofuran	3.075	42	842	0.084	ppbv #	91
42) Bromodichloromethane	4.496	83	2731	0.101	ppbv #	94
43) Methyl Methacrylate	4.888	69	151	0.014	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	1437	0.030	ppbv #	43
45) t-1,3-Dichloropropene	6.415	75	296	0.022	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042553.D
 Acq On : 20 May 2025 14:01
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 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

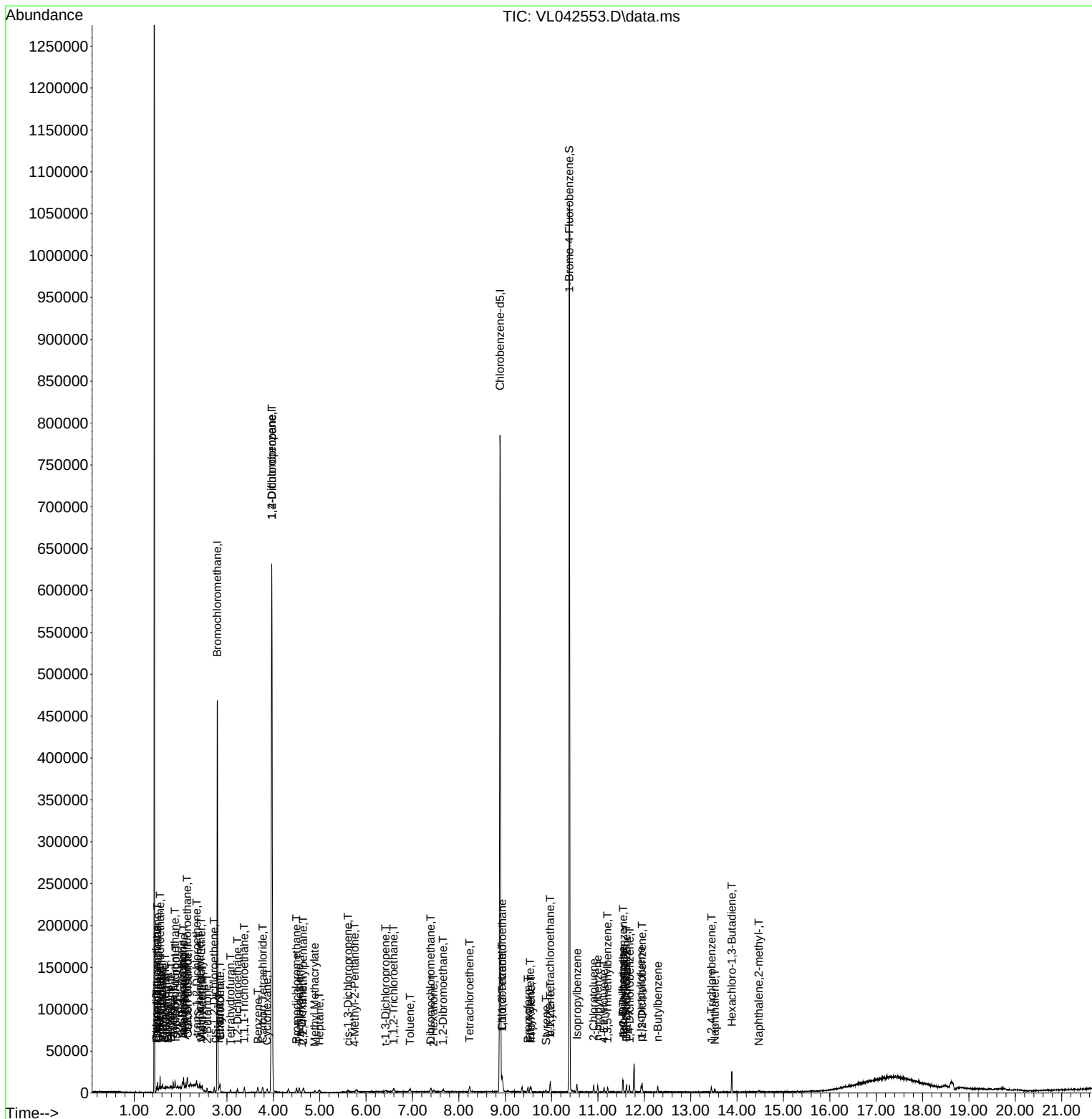
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

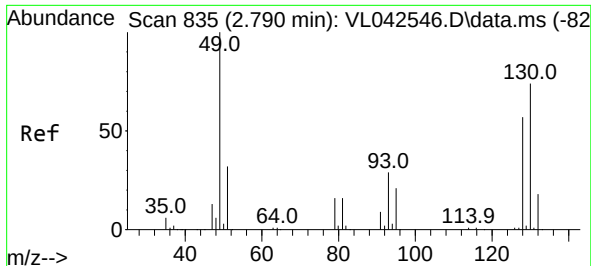
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	658	0.040	ppbv #	86
47) 1,1,2-Trichloroethane	6.590	97	593	0.045	ppbv #	60
48) Dibromochloromethane	7.390	129	1130	0.049	ppbv #	10
49) Bromoform	9.490	173	1685	0.086	ppbv	93
50) 4-Methyl-2-Pentanone	5.752	43	35	0.001	ppbv #	37
51) 2-Hexanone	7.451	43	313	0.017	ppbv #	27
52) Tetrachloroethene	8.228	164	582	0.047	ppbv #	75
53) Toluene	6.946	91	704	0.021	ppbv #	21
54) 1,2-Dibromoethane	7.661	107	1008	0.052	ppbv #	64
56) 1,1,1,2-Tetrachloroethane	8.937	131	1722	0.096	ppbv #	1
57) Chlorobenzene	8.930	112	3156	0.106	ppbv #	87
58) Ethyl Benzene	9.535	91	1537	0.035	ppbv	96
59) m/p-Xylene	9.558	91	1990	0.053	ppbv #	30
60) o-Xylene	9.972	91	2218	0.060	ppbv	99
61) Styrene	9.882	104	816	0.057	ppbv	97
62) Isopropylbenzene	10.548	105	4115	0.073	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	2484	0.101	ppbv	99
64) n-propylbenzene	10.995	120	630	0.045	ppbv #	29
65) tert-Butylbenzene	11.536	119	2725	0.053	ppbv	96
66) Benzyl Chloride	11.617	91	159	0.025	ppbv #	94
67) sec-Butylbenzene	11.542	105	2602	0.036	ppbv	94
69) p-Isopropyltoluene	11.927	119	3053	0.051	ppbv	93
70) n-Butylbenzene	12.290	91	2674	0.048	ppbv	92
71) 2-Chlorotoluene	10.908	91	3022	0.074	ppbv	99
72) 4-Ethyltoluene	11.128	105	2584	0.056	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.206	105	2102	0.053	ppbv #	82
74) 1,2,4-Trimethylbenzene	11.542	105	2602	0.054	ppbv #	80
75) 1,3-Dichlorobenzene	11.610	146	2109	0.072	ppbv	98
76) 1,4-Dichlorobenzene	11.685	146	1744	0.061	ppbv	91
77) 1,2-Dichlorobenzene	11.953	146	2323	0.080	ppbv	94
78) Hexachloro-1,3-Butadiene	13.885	225	2658	0.111	ppbv	94
79) Naphthalene	13.520	128	2035	0.057	ppbv #	88
80) Naphthalene,2-methyl-	14.468	142	911	0.049	ppbv	90
81) 1,2,4-Trichlorobenzene	13.448	180	1034	0.048	ppbv	88

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

Quant Time: May 20 23:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue May 20 23:22:25 2025
Response via : Initial Calibration

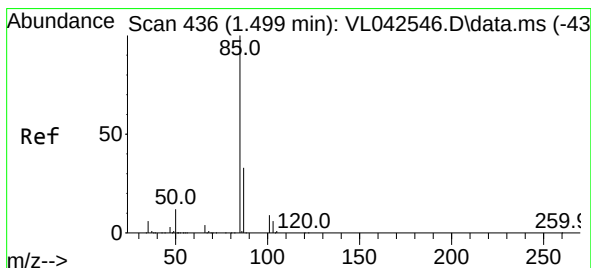
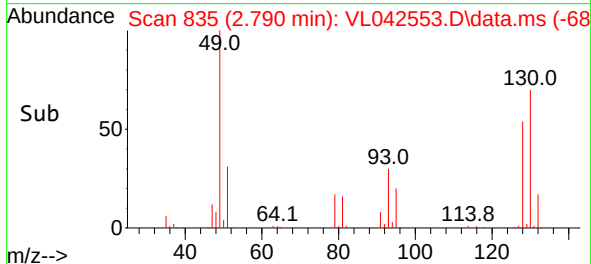
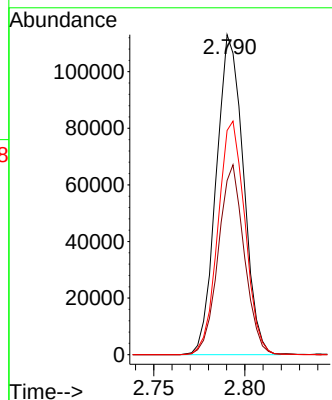
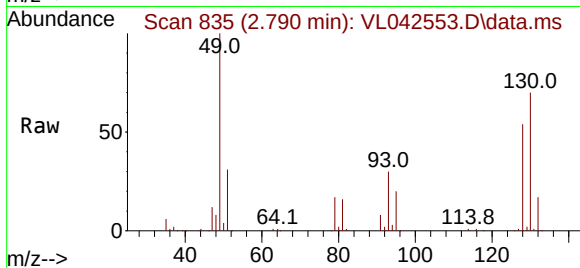




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 835
 Delta R.T. 0.000 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

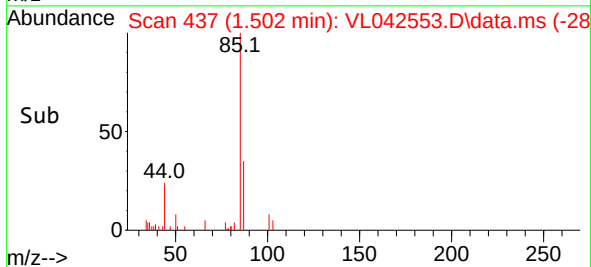
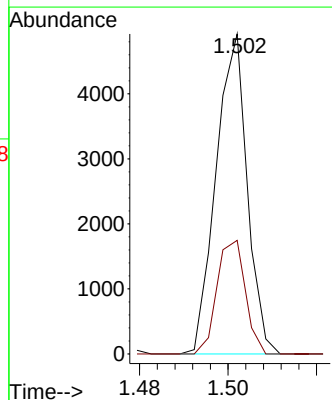
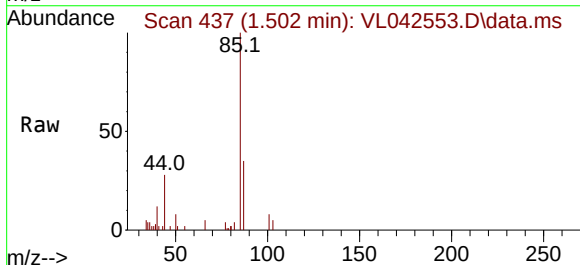
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

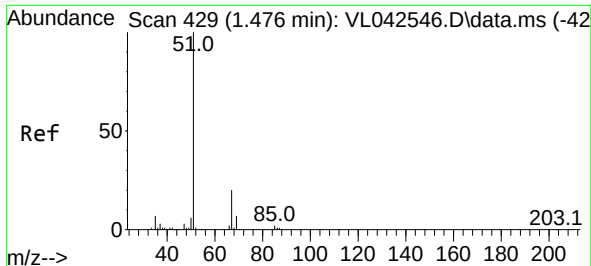
Tgt Ion: 49 Resp: 117269
 Ion Ratio Lower Upper
 49 100
 128 56.7 28.6 85.8
 130 72.6 36.6 109.8



#2
 Dichlorodifluoromethane
 Concen: 0.110 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion: 85 Resp: 2402
 Ion Ratio Lower Upper
 85 100
 87 35.5 26.2 39.4





#3

Chlorodifluoromethane

Concen: 0.107 ppbv

RT: 1.479 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

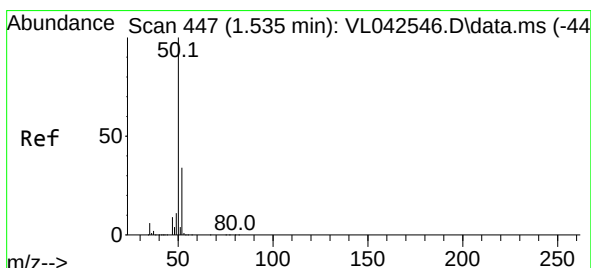
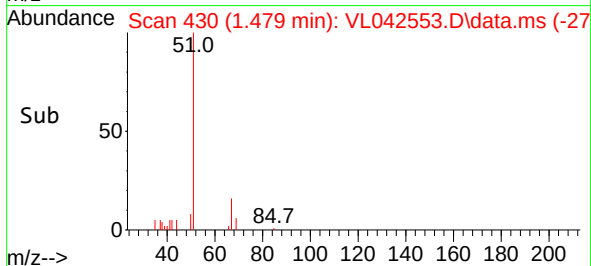
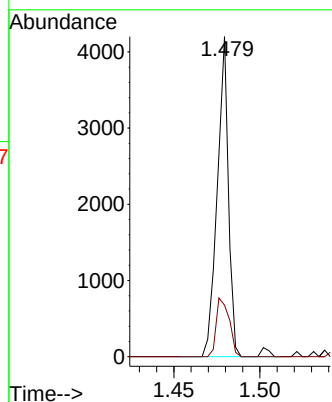
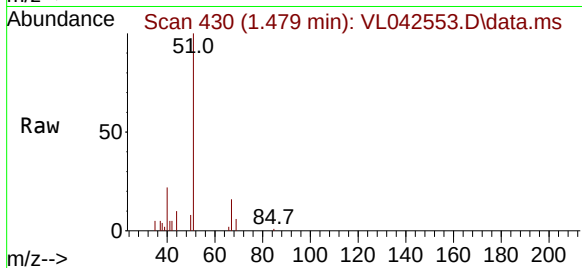
VSTDIC0.1

Tgt Ion: 51 Resp: 1934

Ion Ratio Lower Upper

51 100

67 20.8 16.6 25.0



#4

Chloromethane

Concen: 0.123 ppbv

RT: 1.534 min Scan# 447

Delta R.T. -0.000 min

Lab File: VL042553.D

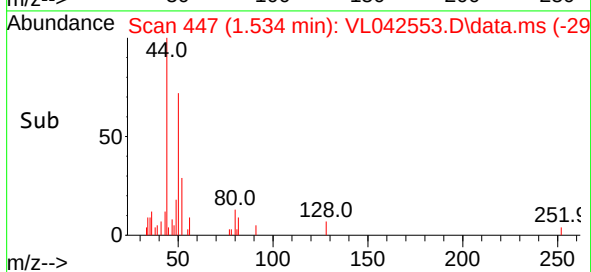
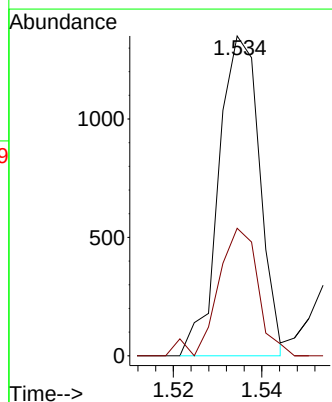
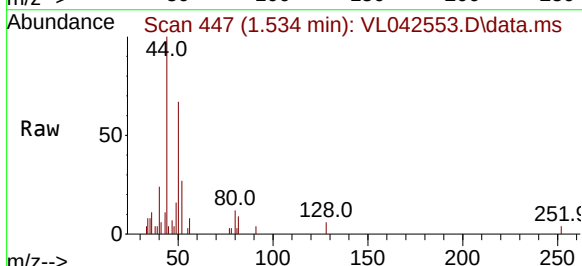
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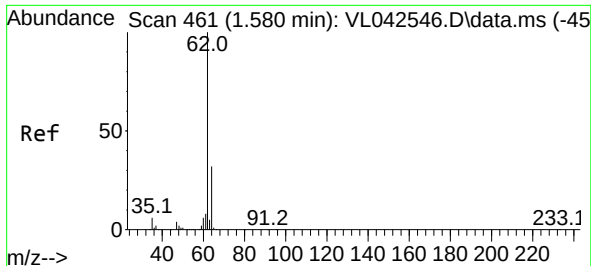
Tgt Ion: 50 Resp: 868

Ion Ratio Lower Upper

50 100

52 36.1 26.9 40.3

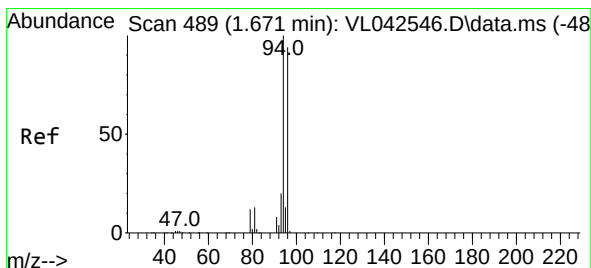
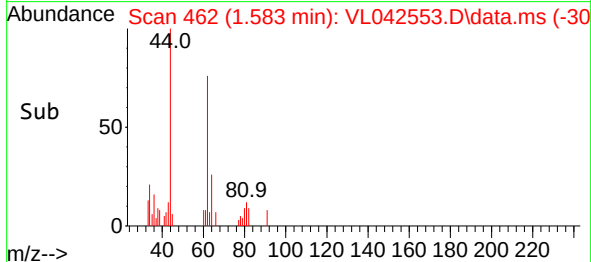
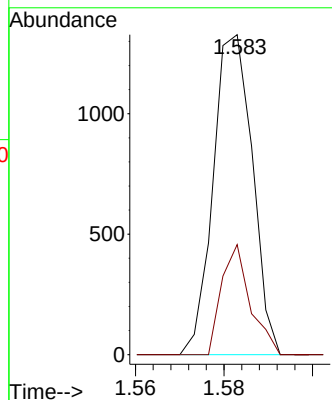
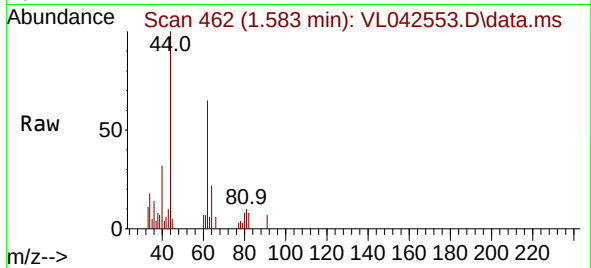




#5
 Vinyl Chloride
 Concen: 0.105 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

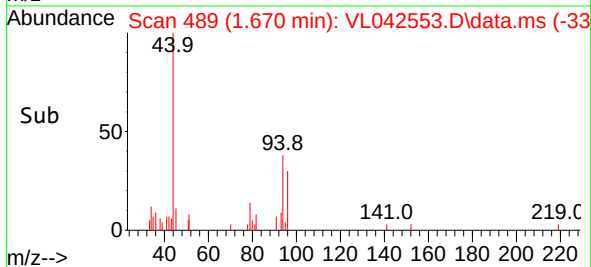
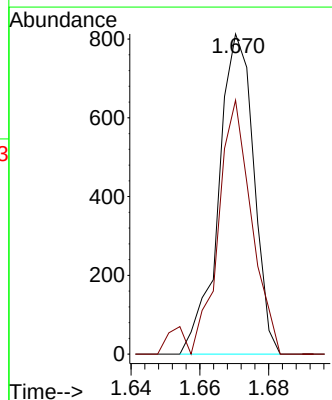
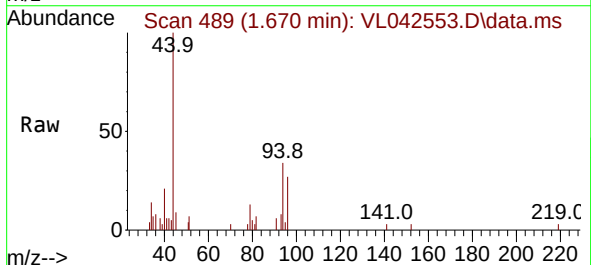
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

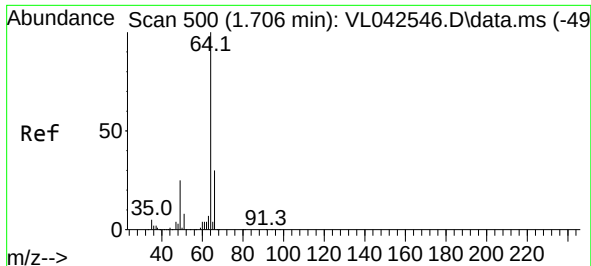
Tgt Ion: 62 Resp: 818
 Ion Ratio Lower Upper
 62 100
 64 34.4 25.7 38.5



#6
 Bromomethane
 Concen: 0.129 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion: 94 Resp: 578
 Ion Ratio Lower Upper
 94 100
 96 79.3 74.9 112.3

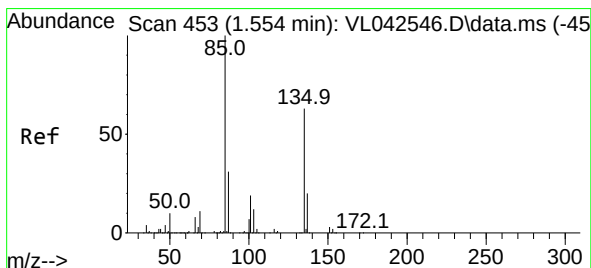
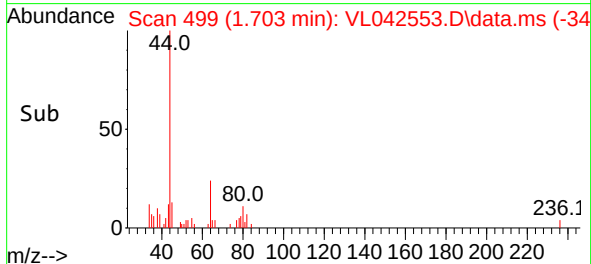
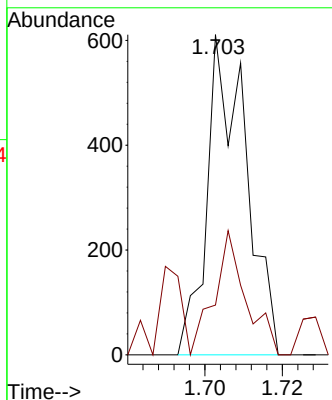
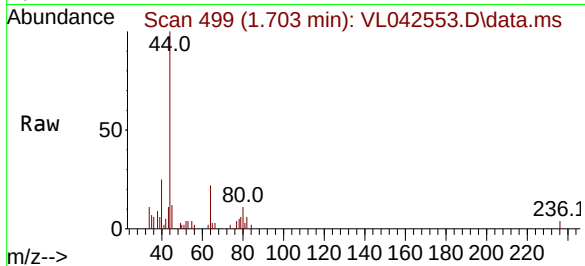




#7
Chloroethane
Concen: 0.136 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

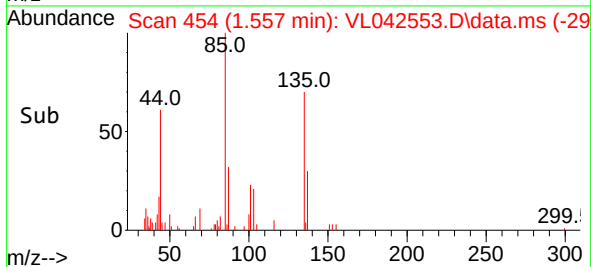
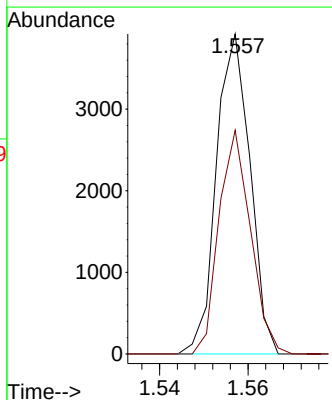
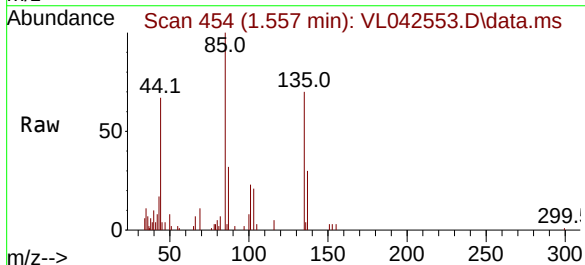
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

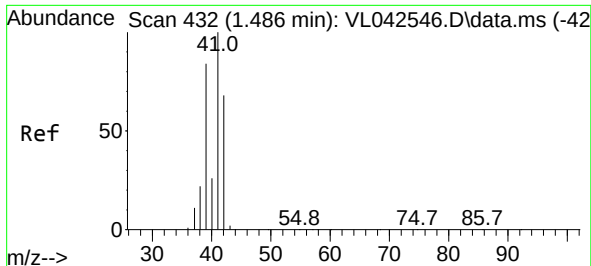
Tgt Ion: 64 Resp: 426
Ion Ratio Lower Upper
64 100
66 15.5 24.4 36.6#



#8
Dichlorotetrafluoroethane
Concen: 0.111 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 85 Resp: 2071
Ion Ratio Lower Upper
85 100
135 65.8 57.2 85.8





#9

Propene

Concen: 0.126 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

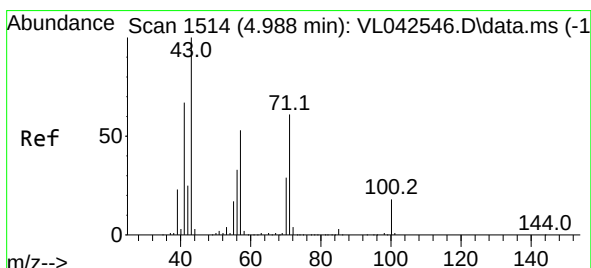
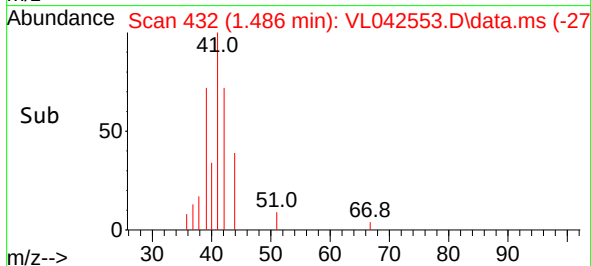
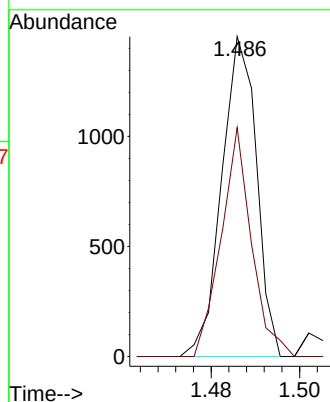
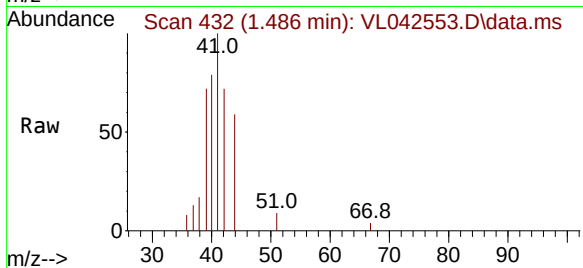
VSTDIC0.1

Tgt Ion: 41 Resp: 792

Ion Ratio Lower Upper

41 100

42 62.6 55.0 82.4



#10

Heptane

Concen: 0.037 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VL042553.D

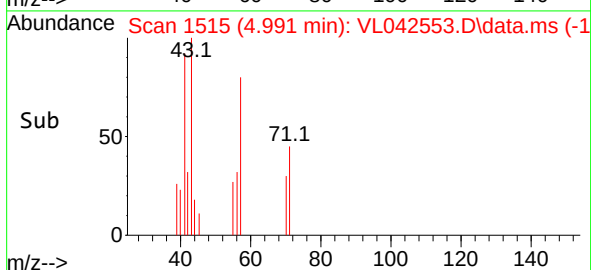
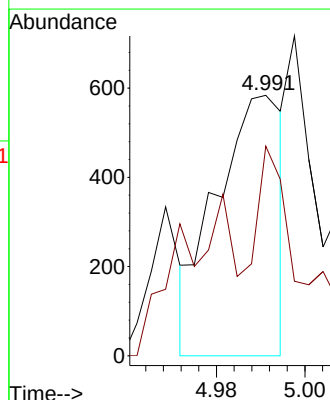
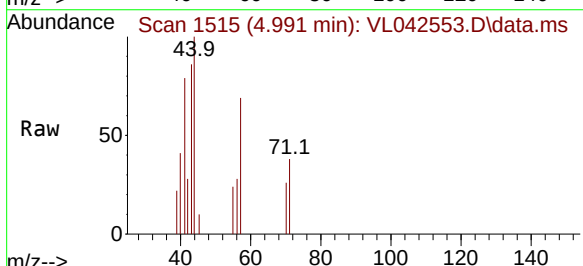
Acq: 20 May 2025 14:01

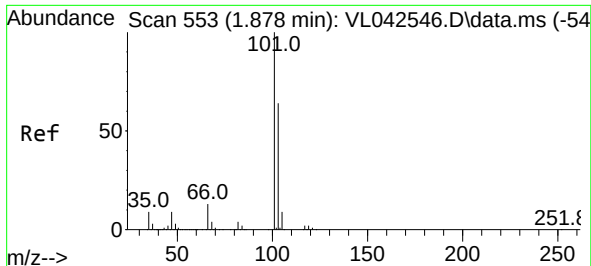
Tgt Ion: 43 Resp: 606

Ion Ratio Lower Upper

43 100

57 116.3 43.4 65.0#

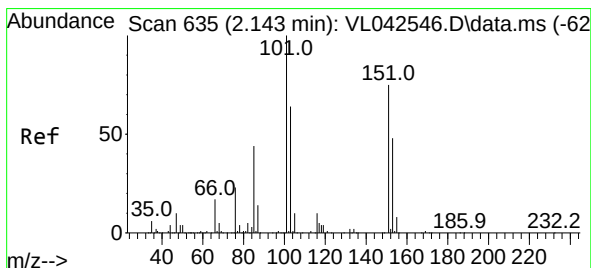
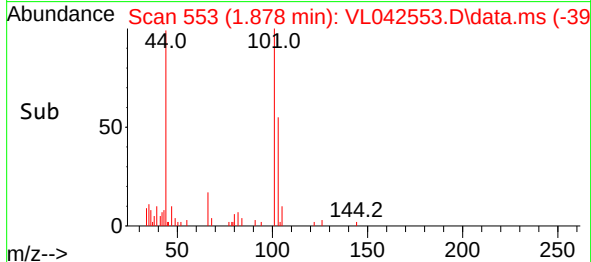
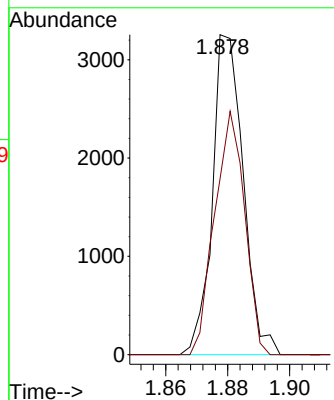
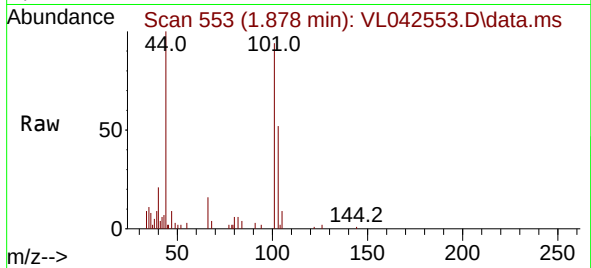




#11
 Trichlorofluoromethane
 Concen: 0.098 ppbv
 RT: 1.878 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

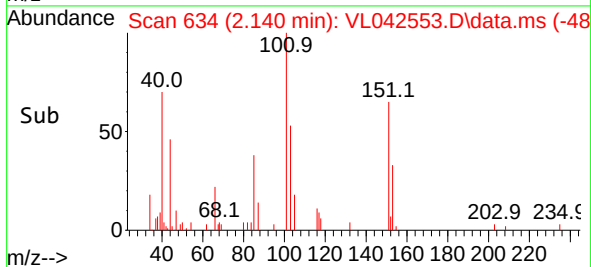
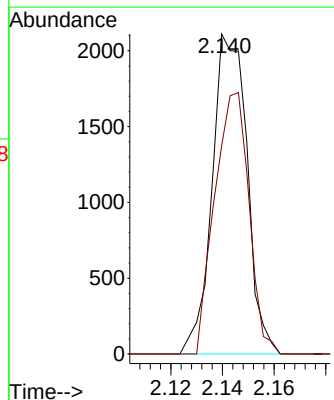
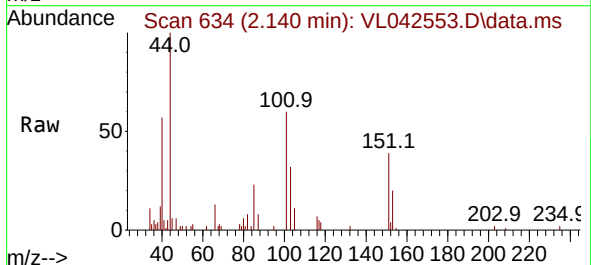
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

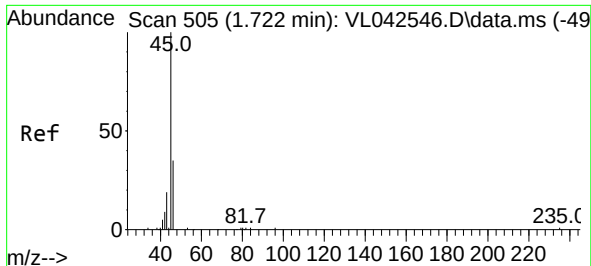
Tgt Ion:101 Resp: 2250
 Ion Ratio Lower Upper
 101 100
 103 54.9 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.107 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion:101 Resp: 1973
 Ion Ratio Lower Upper
 101 100
 151 80.7 59.5 89.3

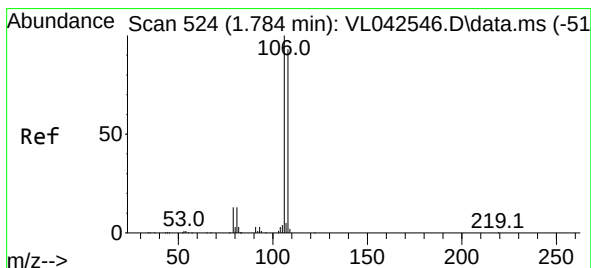
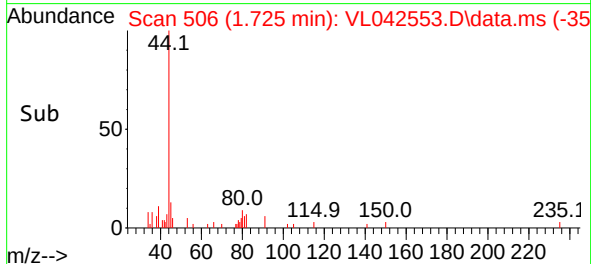
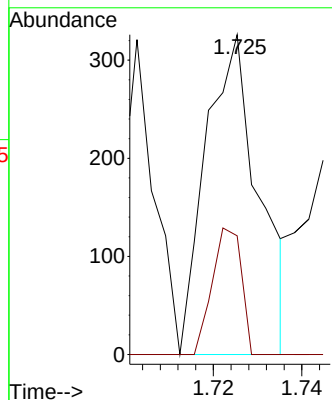
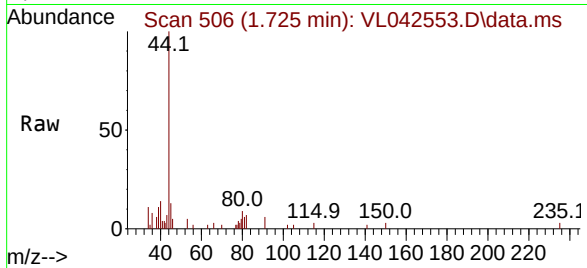




#13
 Ethanol
 Concen: 0.298 ppbv
 RT: 1.725 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

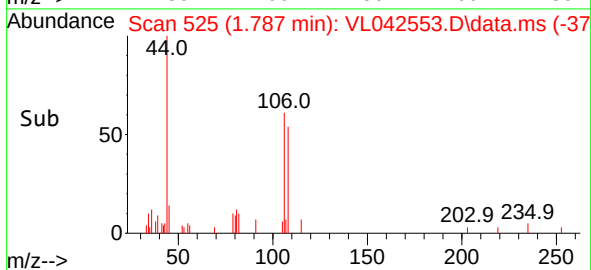
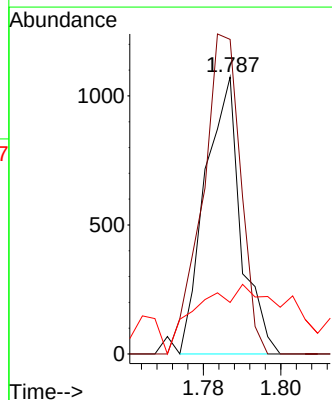
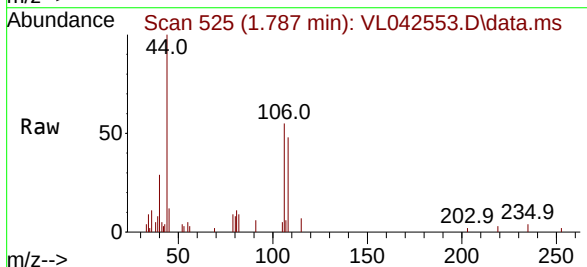
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

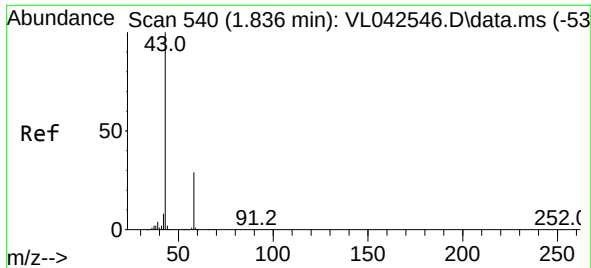
Tgt Ion: 45 Resp: 271
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.3#



#14
 Bromoethene
 Concen: 0.099 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion: 108 Resp: 689
 Ion Ratio Lower Upper
 108 100
 106 122.2 86.4 129.6
 79 64.3 11.9 17.9#

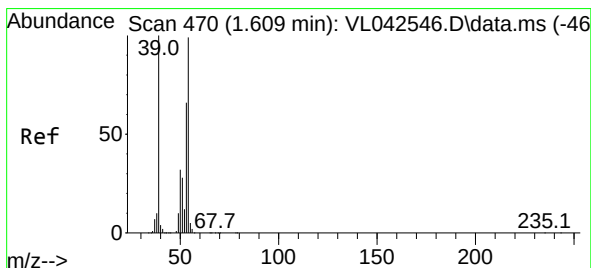
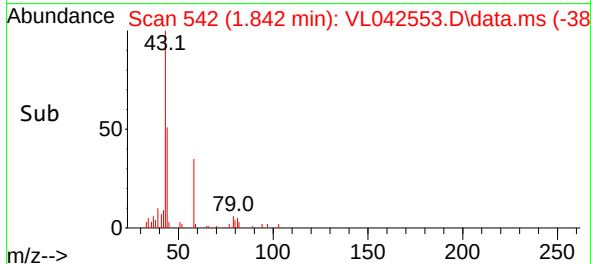
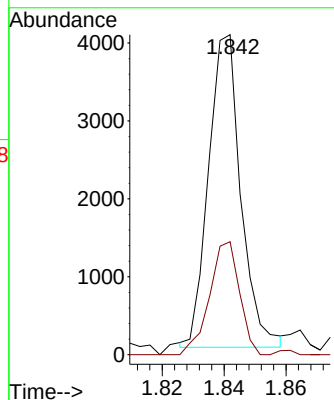
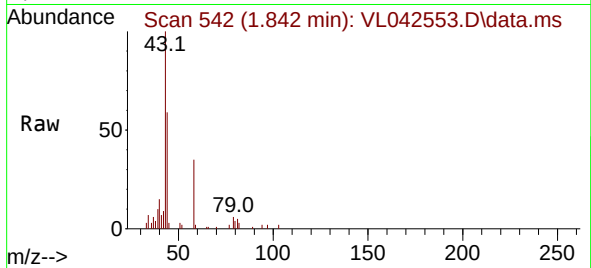




#15
Acetone
Concen: 0.178 ppbv
RT: 1.842 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

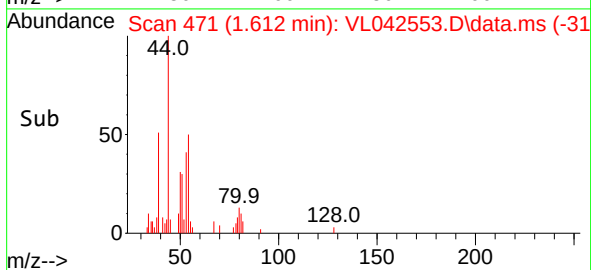
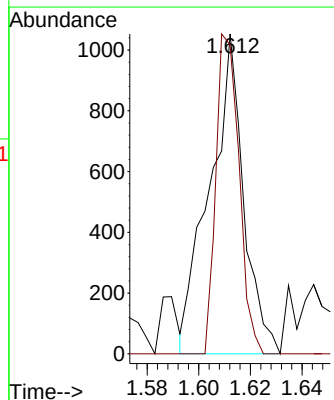
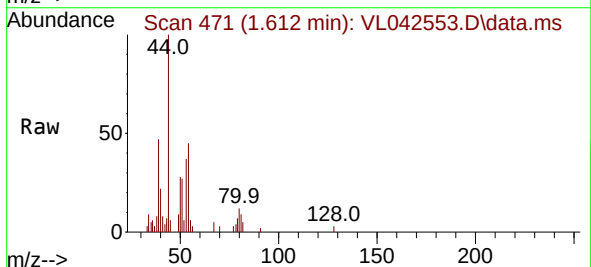
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

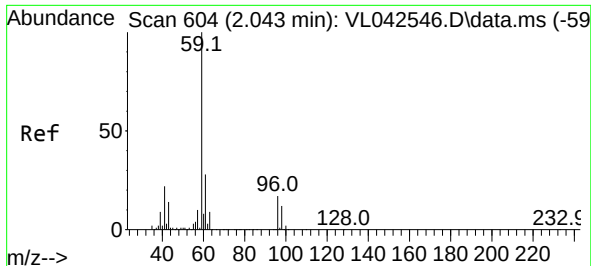
Tgt Ion: 43 Resp: 2908
Ion Ratio Lower Upper
43 100
58 35.2 24.2 36.2



#16
1,3-Butadiene
Concen: 0.145 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 39 Resp: 960
Ion Ratio Lower Upper
39 100
54 68.0 71.8 107.8#





#17

tert-Butyl alcohol

Concen: 0.124 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

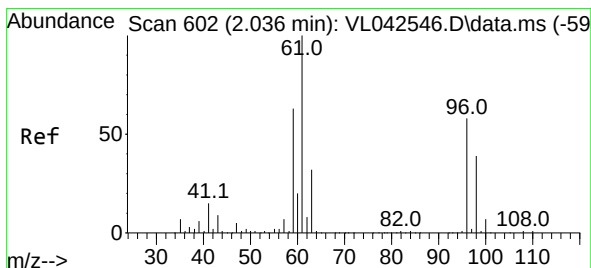
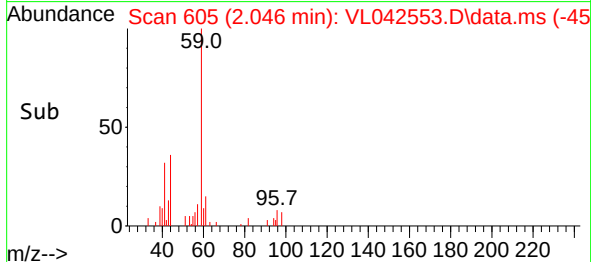
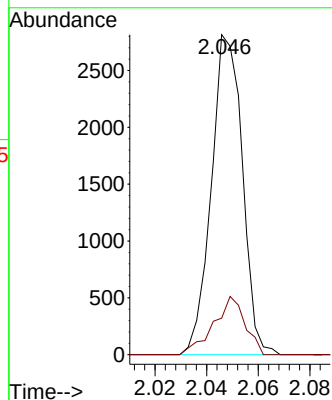
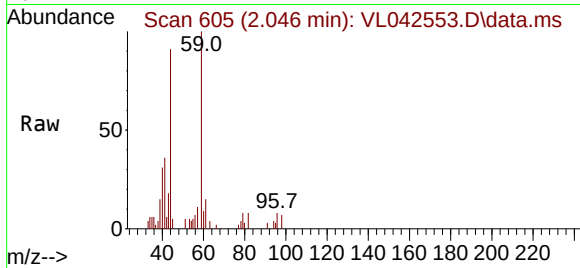
VSTDIC0.1

Tgt Ion: 59 Resp: 2351

Ion Ratio Lower Upper

59 100

57 18.4 8.2 12.2#



#18

1,1-Dichloroethene

Concen: 0.112 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

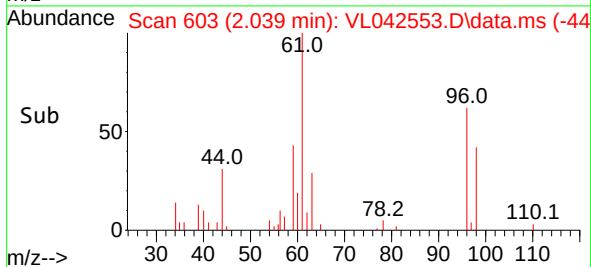
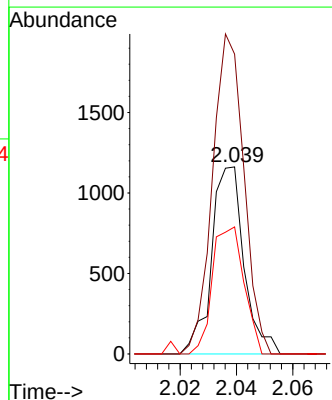
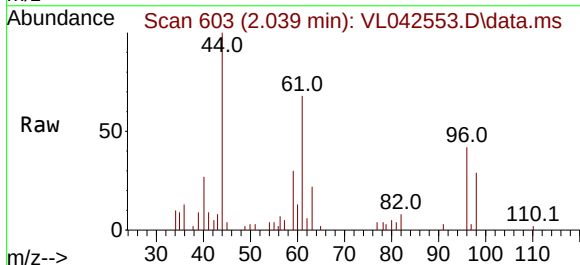
Tgt Ion: 96 Resp: 931

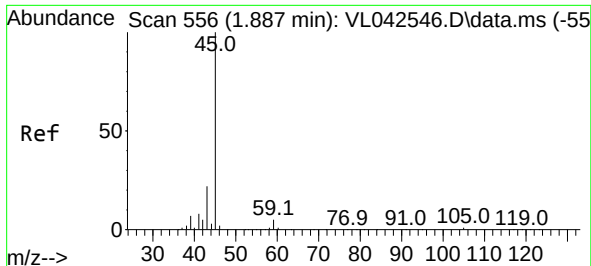
Ion Ratio Lower Upper

96 100

61 160.3 137.5 206.3

98 67.9 53.2 79.8

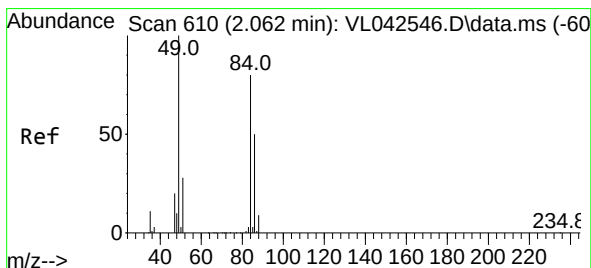
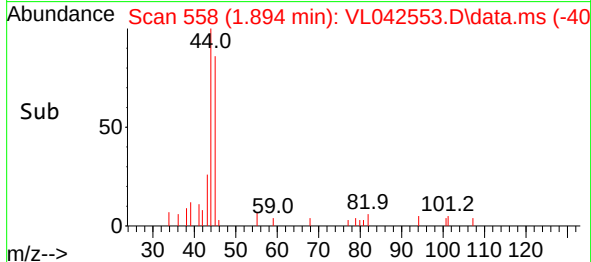
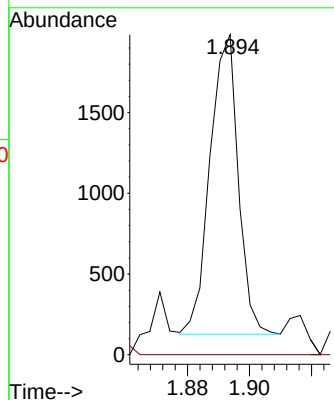
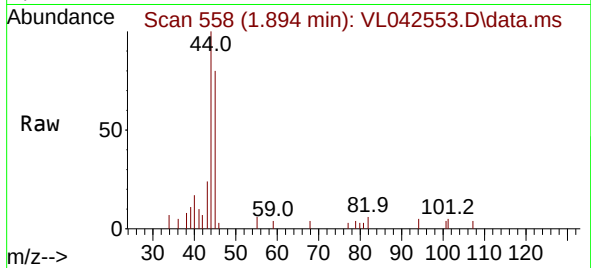




#19
Isopropyl Alcohol
Concen: 0.126 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

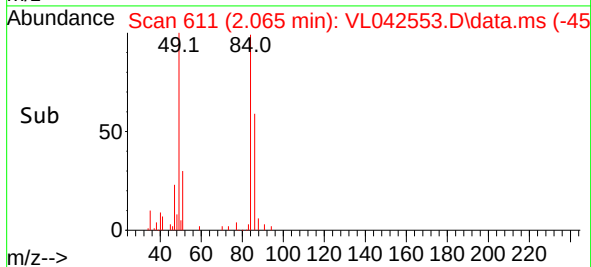
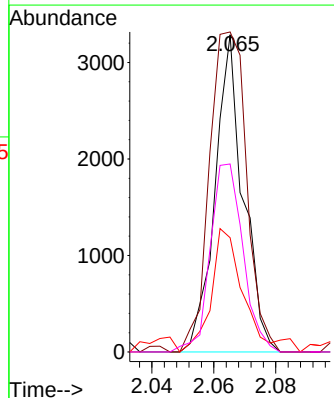
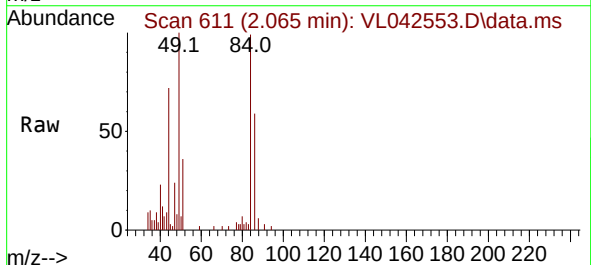
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

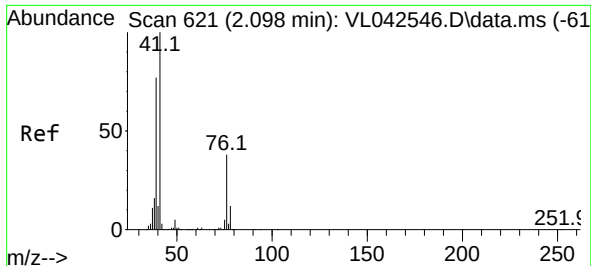
Tgt Ion: 45 Resp: 1174
Ion Ratio Lower Upper
45 100
58 87.1 35.3 52.9#



#20
Methylene Chloride
Concen: 0.263 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 84 Resp: 2084
Ion Ratio Lower Upper
84 100
49 100.9 99.7 149.5
51 36.0 29.7 44.5
86 59.2 49.7 74.5

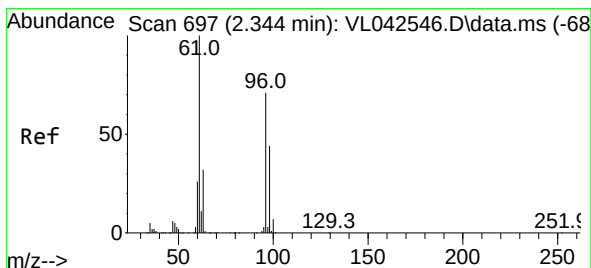
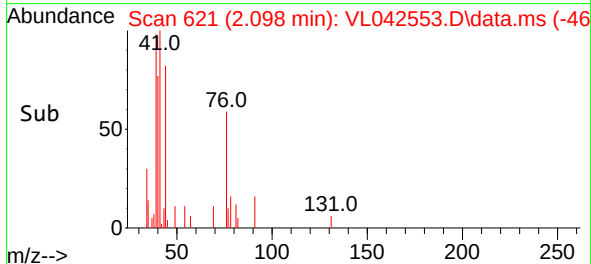
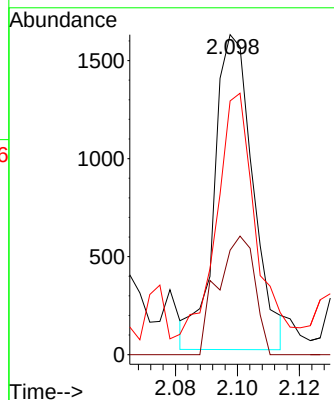
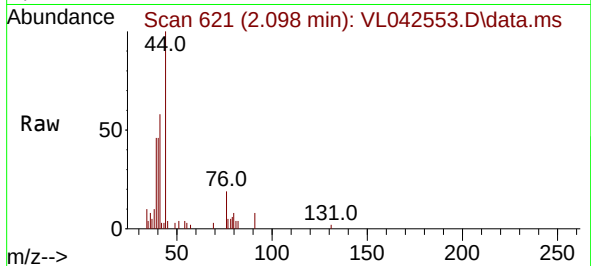




#21
 Allyl Chloride
 Concen: 0.133 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

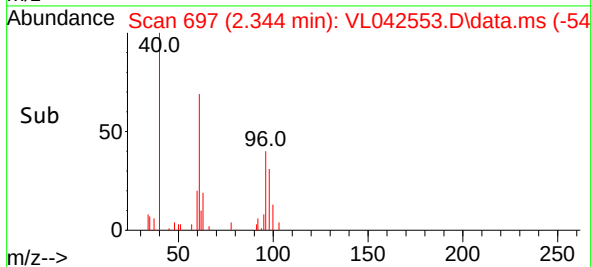
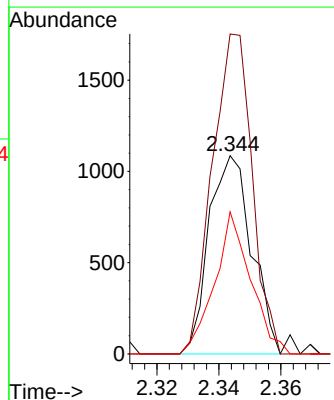
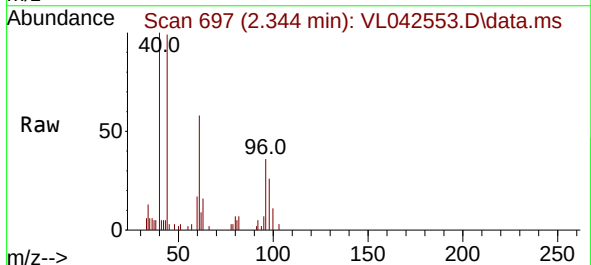
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

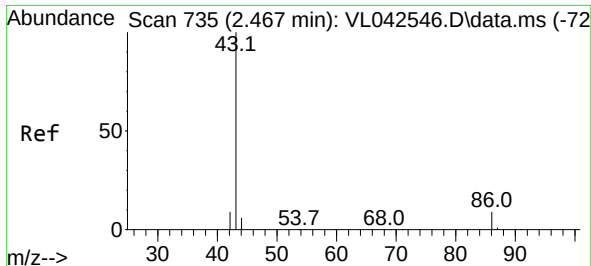
Tgt Ion: 41 Resp: 1394
 Ion Ratio Lower Upper
 41 100
 76 36.2 30.2 45.4
 39 94.7 62.5 93.7#



#22
 trans-1,2-Dichloroethene
 Concen: 0.112 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion: 96 Resp: 1040
 Ion Ratio Lower Upper
 96 100
 61 161.4 112.5 168.7
 98 71.6 49.0 73.4

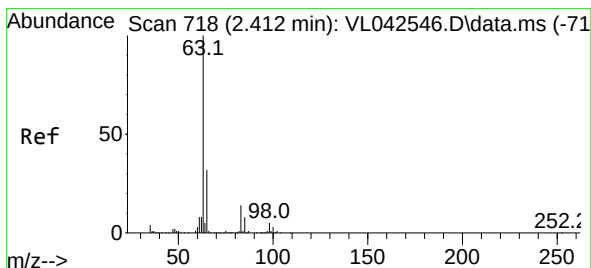
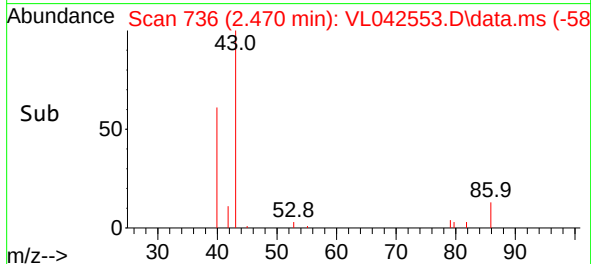
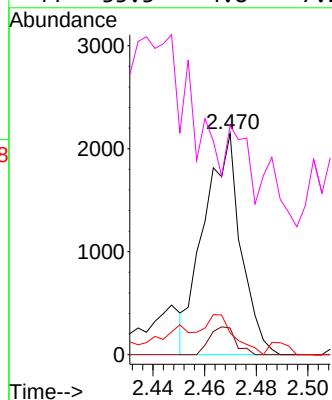
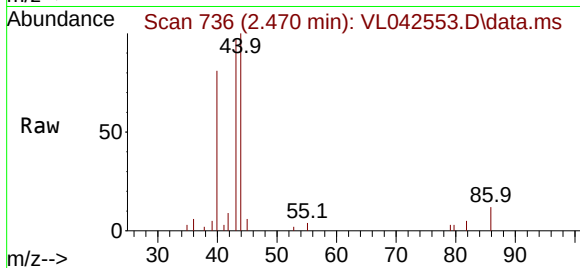




#23
 Vinyl Acetate
 Concen: 0.111 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

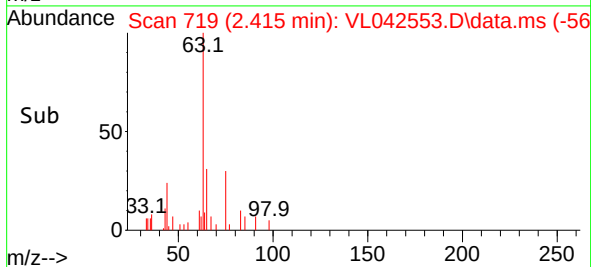
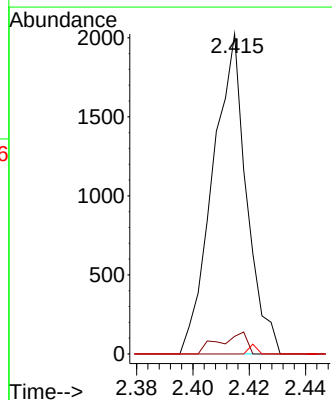
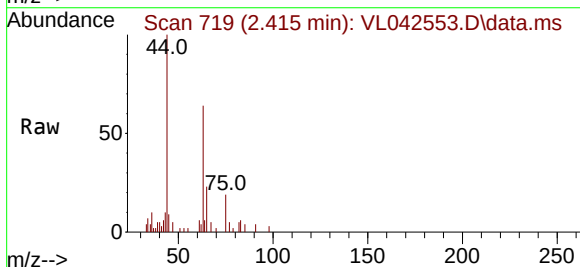
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

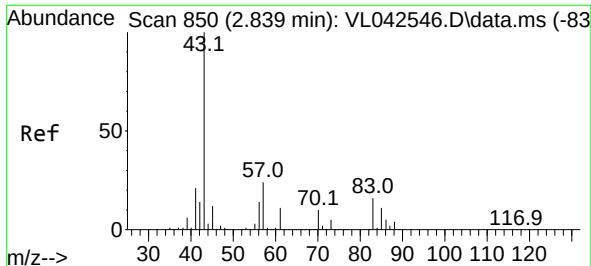
Tgt Ion:	43	Resp:	2113
Ion	Ratio	Lower	Upper
43	100		
86	12.1	7.0	10.6#
42	4.4	7.4	11.2#
44	33.3	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.106 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion:	63	Resp:	1687
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	7.8
100	0.0	1.8	5.3#

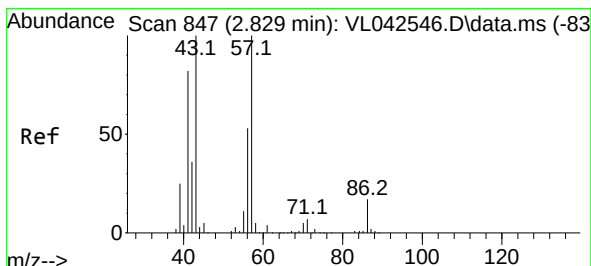
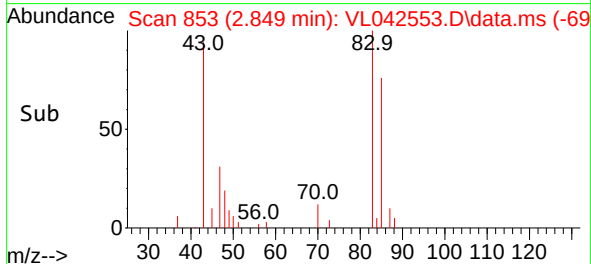
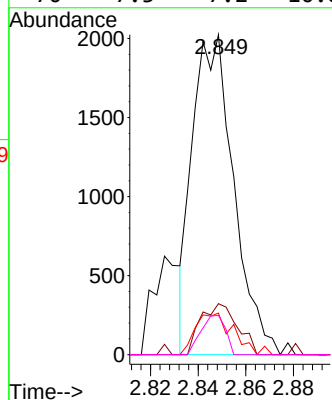
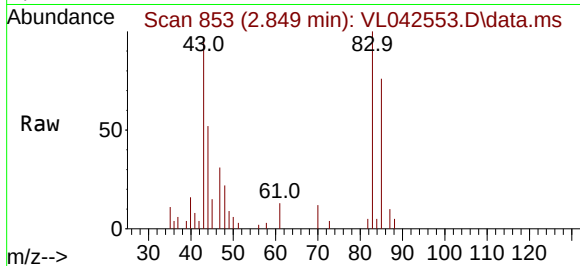




#25
Ethyl Acetate
Concen: 0.077 ppbv
RT: 2.849 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

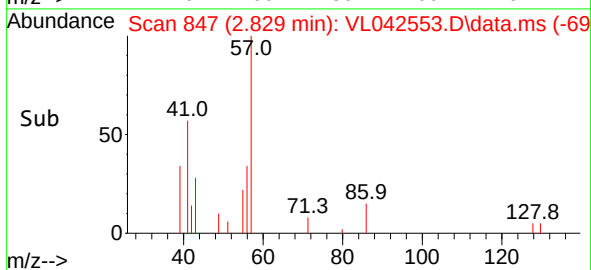
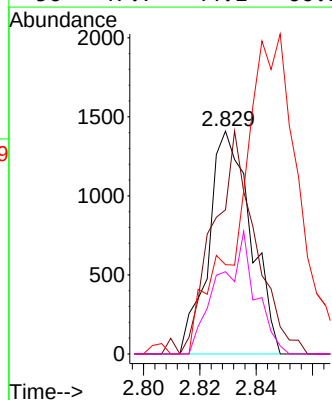
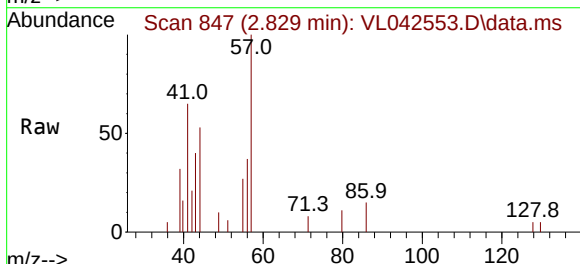
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

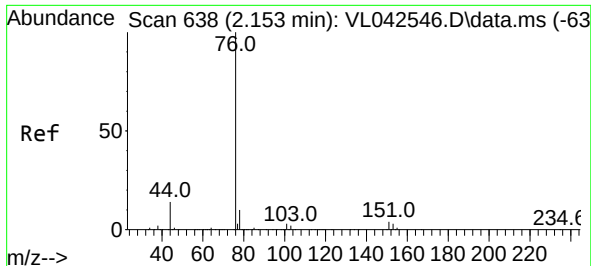
Tgt Ion: 43	Resp: 2427
Ion Ratio	Lower Upper
43 100	
45 14.8	8.0 12.0#
61 12.1	7.5 11.3#
70 7.3	7.2 10.8



#26
Hexane
Concen: 0.103 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 57	Resp: 1467
Ion Ratio	Lower Upper
57 100	
41 100.3	69.0 103.4
43 201.5	174.2 261.2
56 47.7	44.1 66.1





#27

Carbon Disulfide

Concen: 0.104 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042553.D

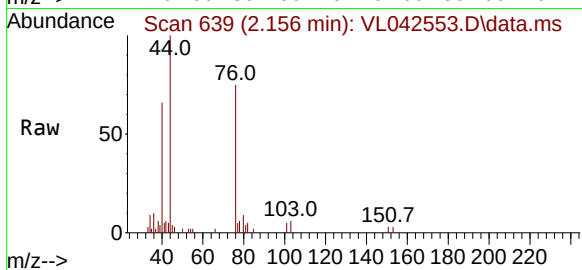
Acq: 20 May 2025 14:01

Instrument :

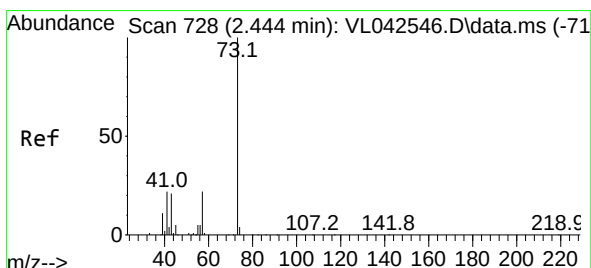
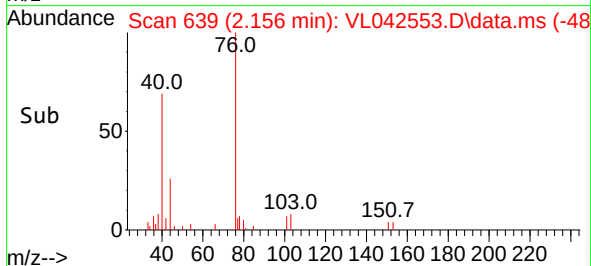
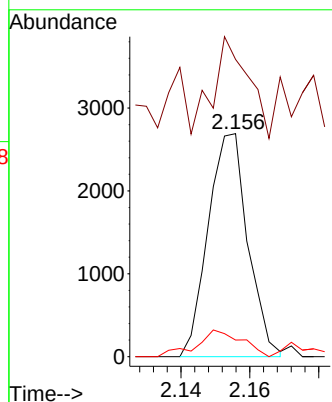
MSVOA_1

ClientSampleId :

VSTDICC0.1



Tgt Ion:	76	Resp:	2156
Ion	Ratio	Lower	Upper
76	100		
44	38.1	14.0	21.0#
78	17.8	9.4	14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.122 ppbv

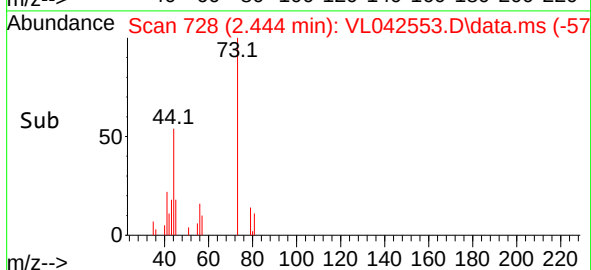
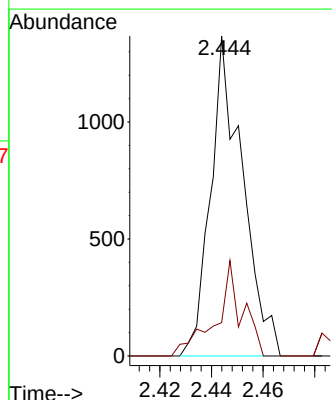
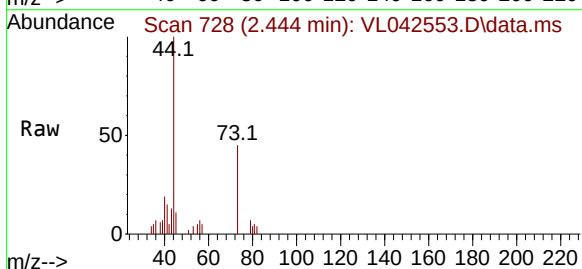
RT: 2.444 min Scan# 728

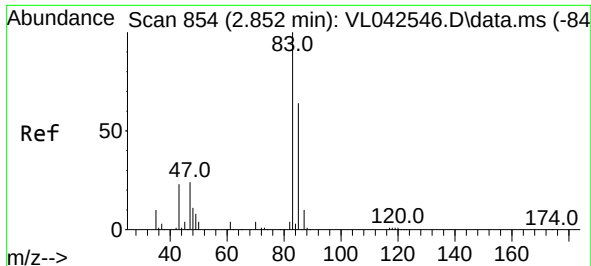
Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Tgt Ion:	73	Resp:	1178
Ion	Ratio	Lower	Upper
73	100		
57	24.3	17.2	25.8





#29

Chloroform

Concen: 0.103 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

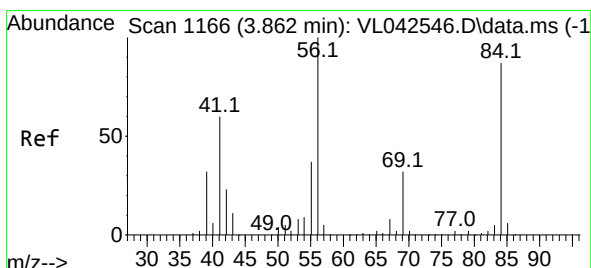
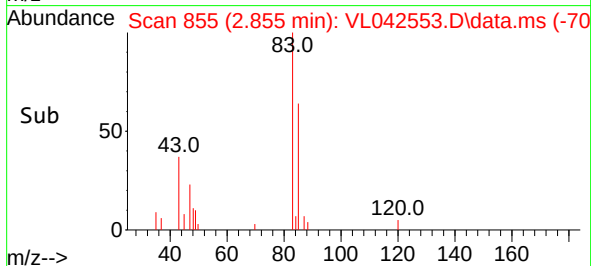
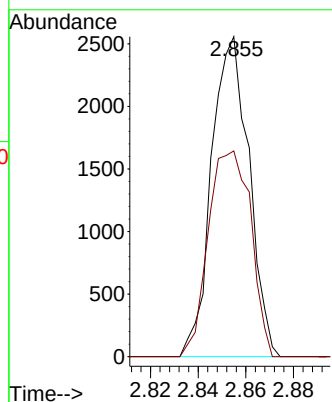
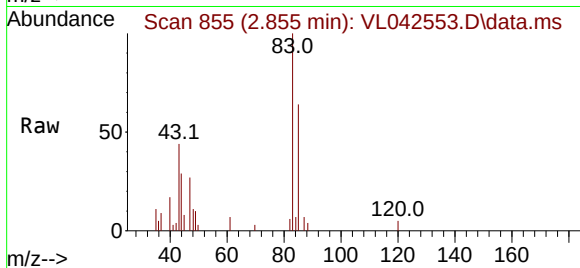
VSTDIC0.1

Tgt Ion: 83 Resp: 2787

Ion Ratio Lower Upper

83 100

85 64.3 51.6 77.4



#30

Cyclohexane

Concen: 0.030 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

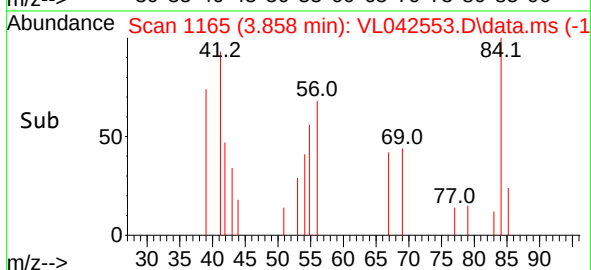
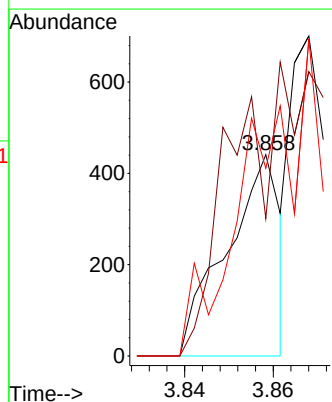
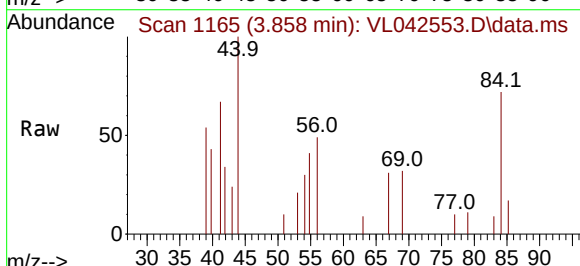
Tgt Ion: 84 Resp: 370

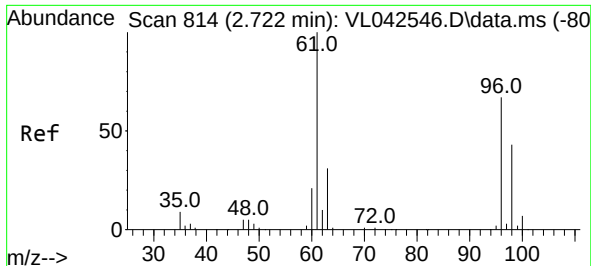
Ion Ratio Lower Upper

84 100

56 281.1 92.3 138.5#

41 0.0 57.0 85.4#

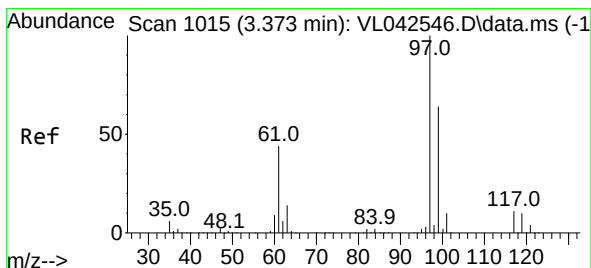
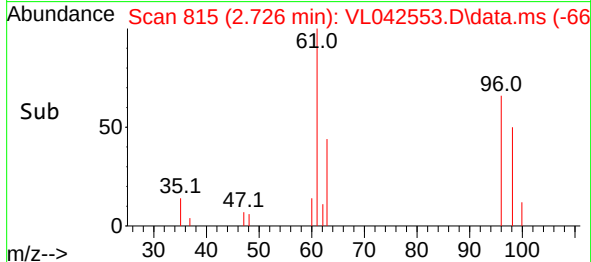
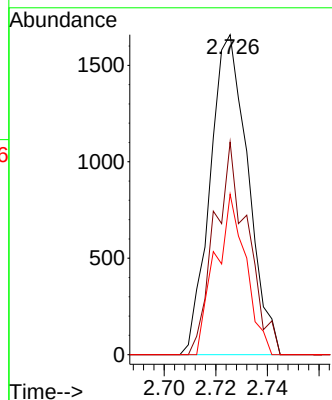
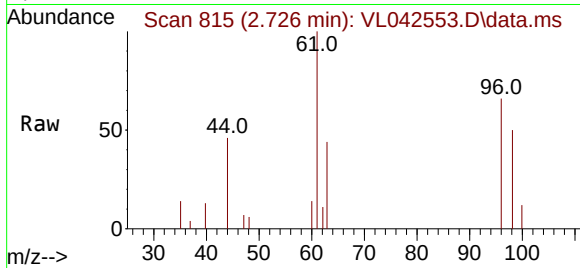




#31
 cis-1,2-Dichloroethene
 Concen: 0.108 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

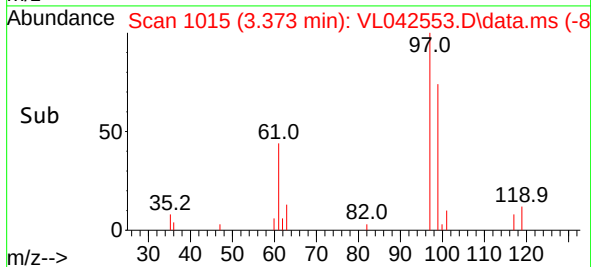
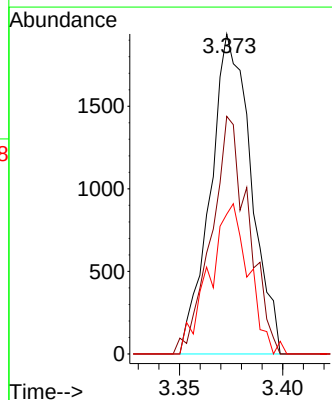
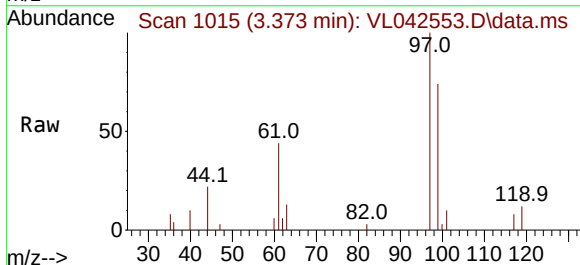
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

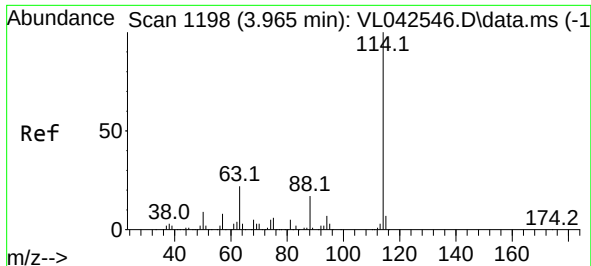
Tgt Ion: 61 Resp: 1692
 Ion Ratio Lower Upper
 61 100
 96 66.4 53.8 80.8
 98 50.2 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 0.096 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion: 97 Resp: 2659
 Ion Ratio Lower Upper
 97 100
 99 67.8 51.5 77.3
 61 45.3 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

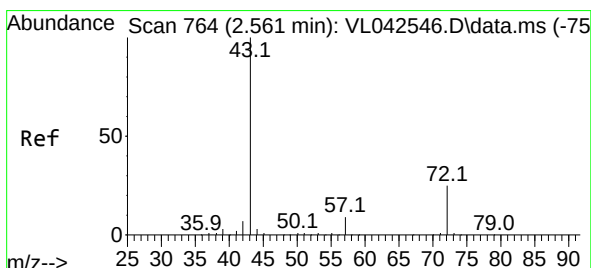
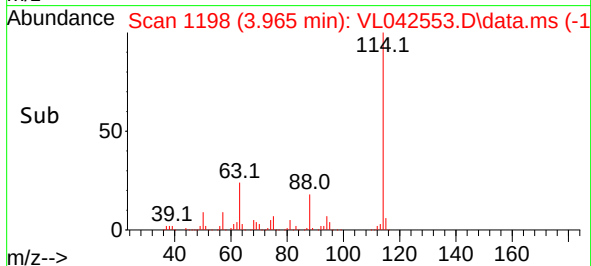
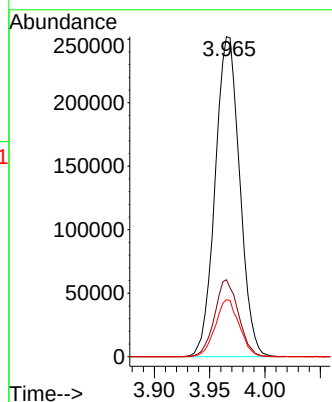
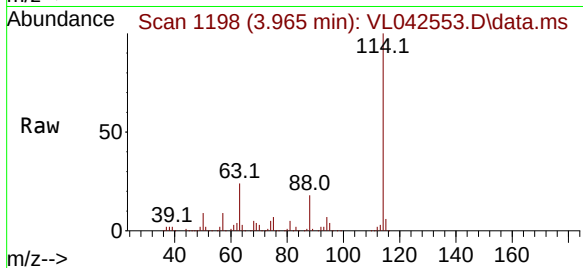
Tgt Ion:114 Resp: 388785

Ion Ratio Lower Upper

114 100

63 23.4 18.4 27.6

88 17.4 14.0 21.0



#34

2-Butanone

Concen: 0.119 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042553.D

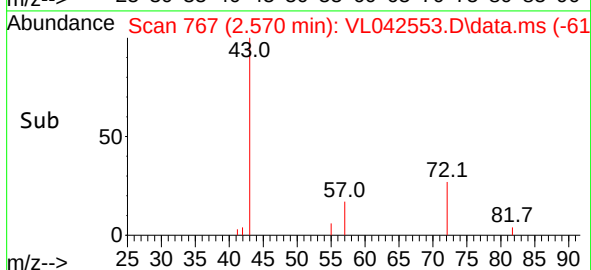
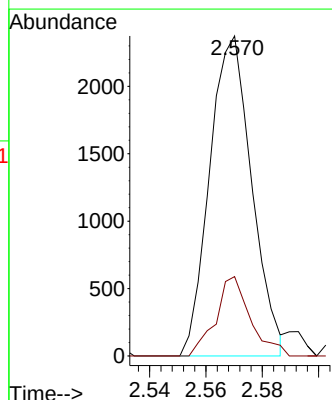
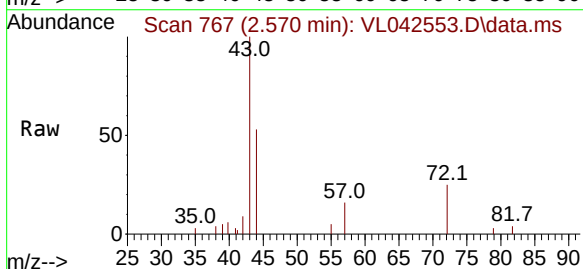
Acq: 20 May 2025 14:01

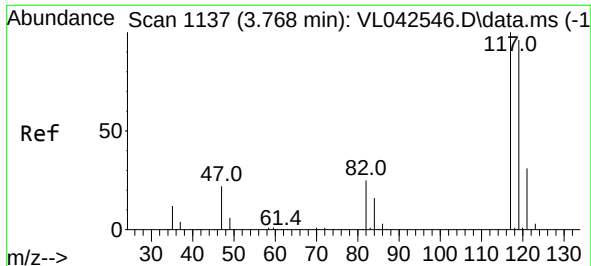
Tgt Ion: 43 Resp: 2463

Ion Ratio Lower Upper

43 100

72 20.4 20.5 30.7#

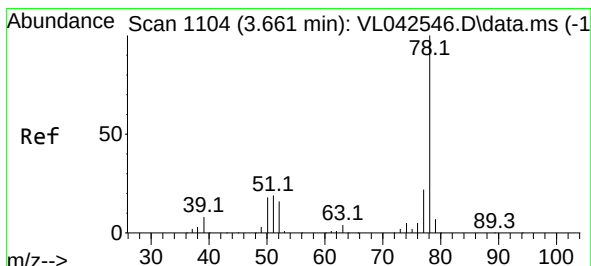
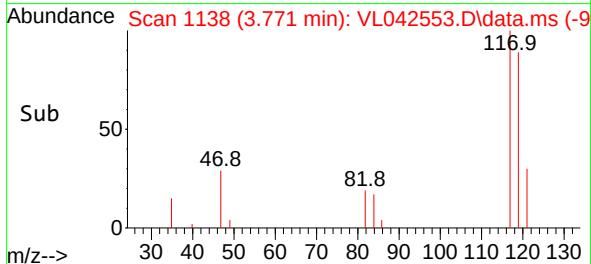
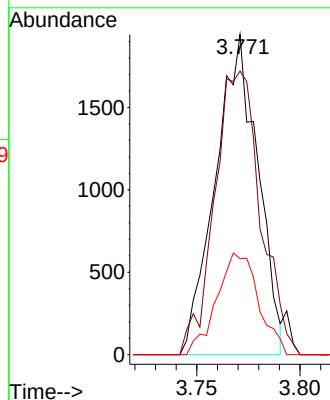
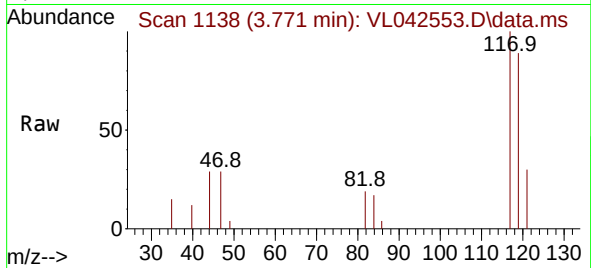




#35
Carbon Tetrachloride
Concen: 0.094 ppbv
RT: 3.771 min Scan# 1137
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

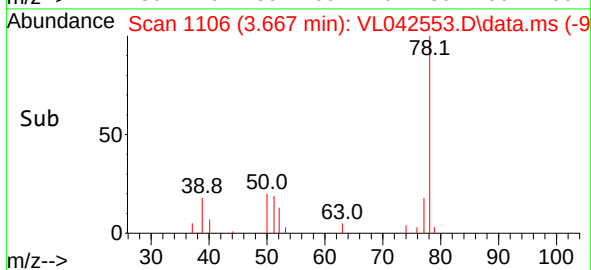
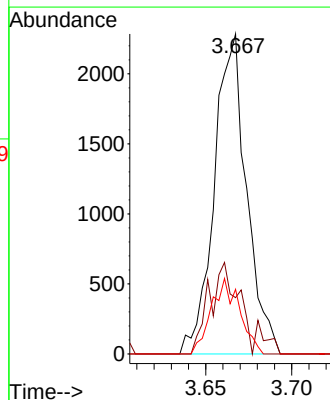
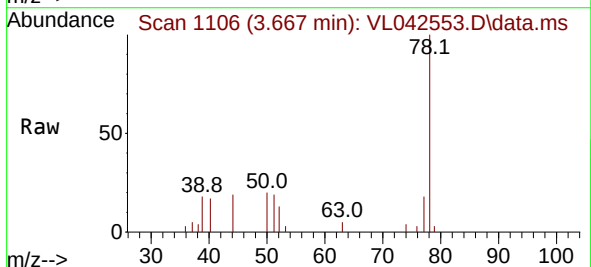
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

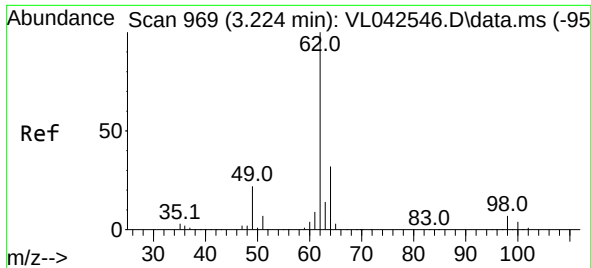
Tgt Ion:117 Resp: 2782
Ion Ratio Lower Upper
117 100
119 88.6 76.6 114.8
121 30.0 24.7 37.1



#36
Benzene
Concen: 0.095 ppbv
RT: 3.667 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 78 Resp: 2978
Ion Ratio Lower Upper
78 100
77 17.6 17.8 26.6#
50 20.2 14.0 21.0

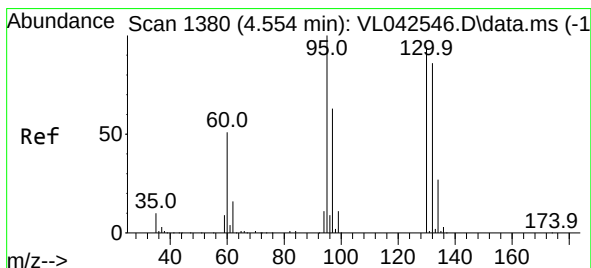
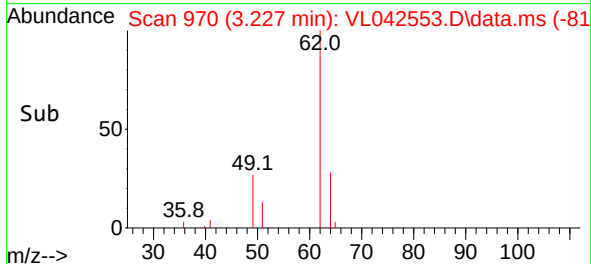
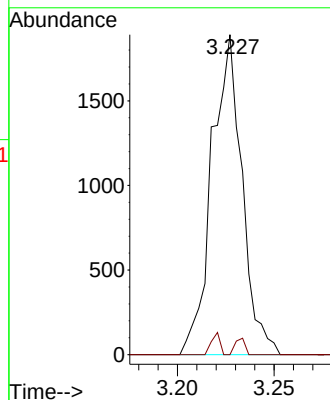
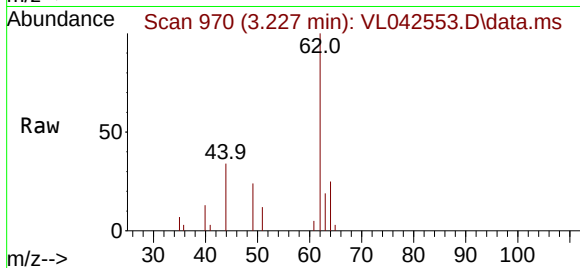




#37
1,2-Dichloroethane
Concen: 0.107 ppbv
RT: 3.227 min Scan# 91
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

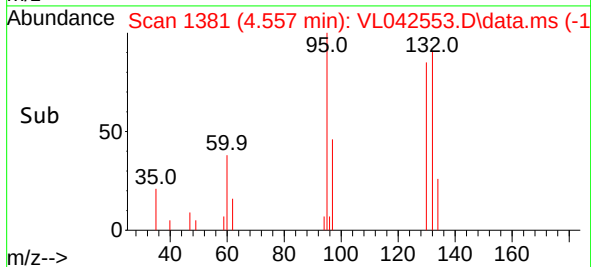
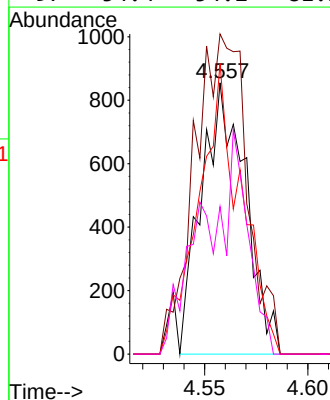
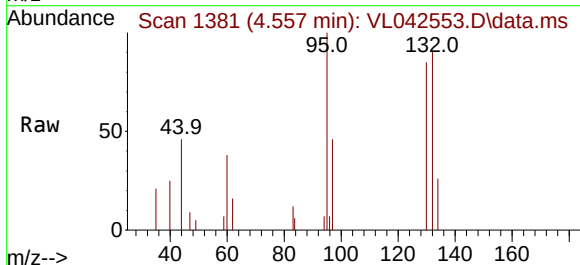
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

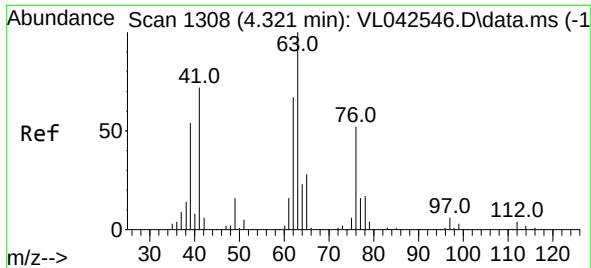
Tgt Ion: 62 Resp: 2055
Ion Ratio Lower Upper
62 100
98 3.6 5.5 8.3#



#38
Trichloroethene
Concen: 0.088 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 130 Resp: 1269
Ion Ratio Lower Upper
130 100
95 118.0 85.2 127.8
132 107.1 73.4 110.2
97 54.4 54.2 81.2





#39

1,2-Dichloropropane

Concen: 8.240 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.356 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

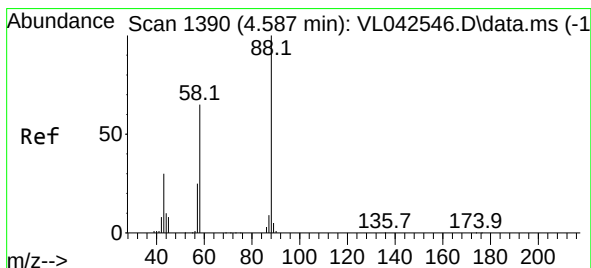
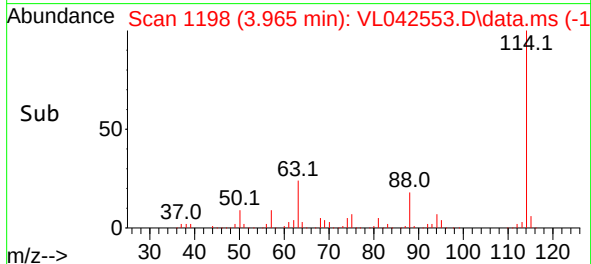
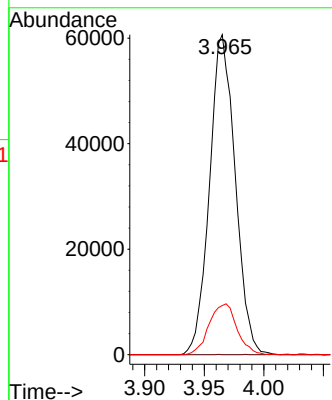
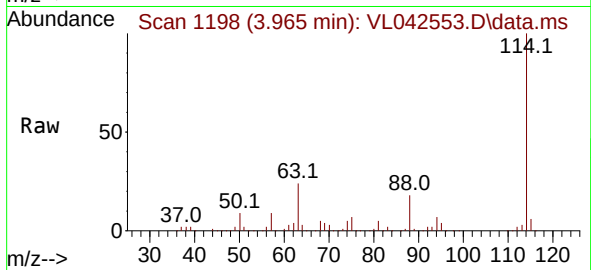
Tgt Ion: 63 Resp: 90999

Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

62 15.3 53.3 79.9#



#40

1,4-Dioxane

Concen: 0.038 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.029 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Tgt Ion: 88 Resp: 188

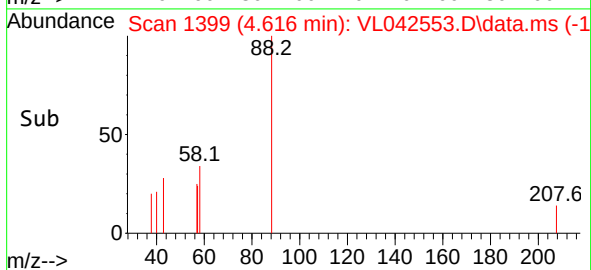
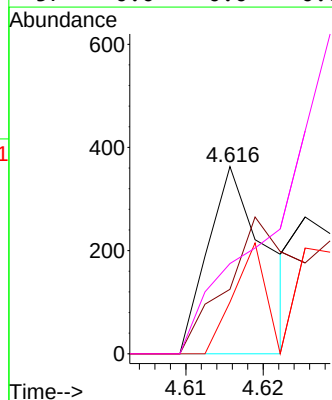
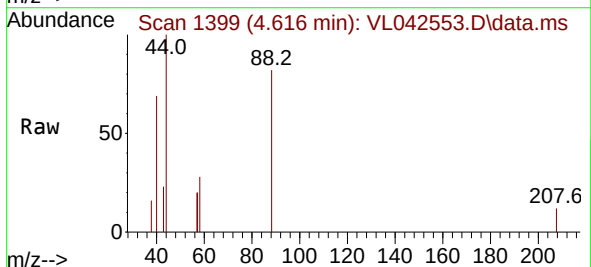
Ion Ratio Lower Upper

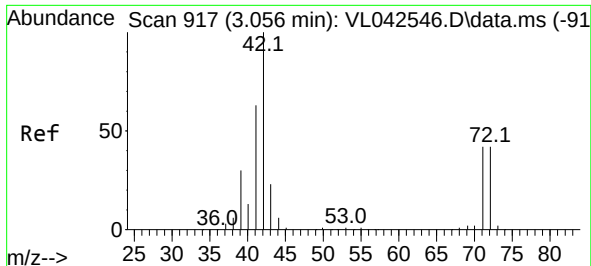
88 100

58 290.4 52.8 79.2#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

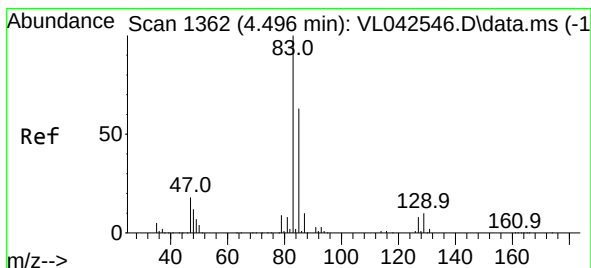
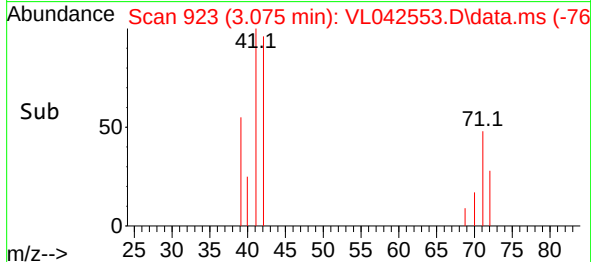
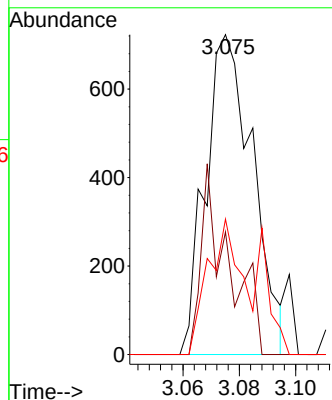
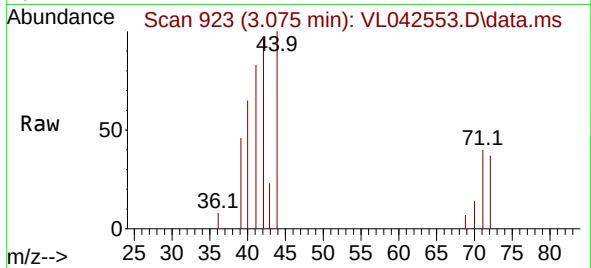




#41
Tetrahydrofuran
Concen: 0.084 ppbv
RT: 3.075 min Scan# 917
Delta R.T. 0.019 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

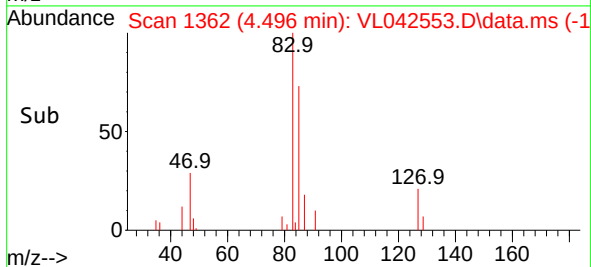
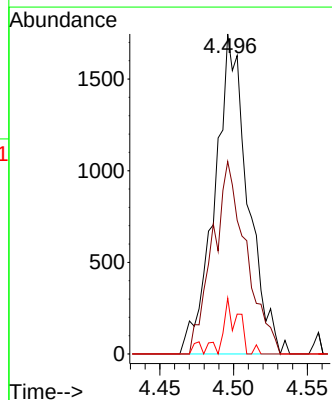
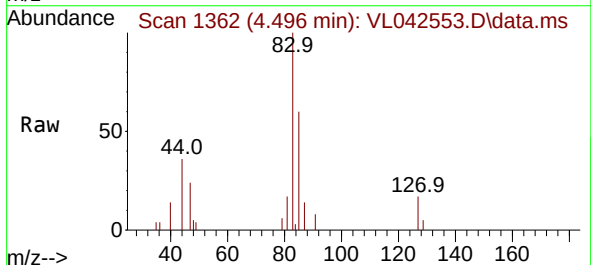
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

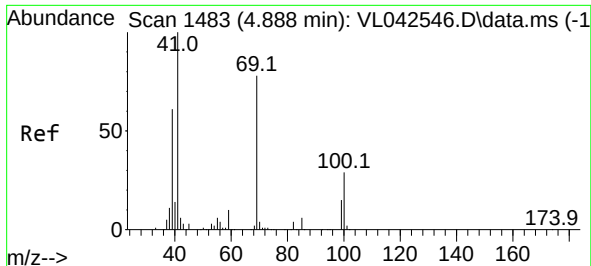
Tgt Ion: 42 Resp: 842
Ion Ratio Lower Upper
42 100
72 34.7 34.8 52.2#
71 39.9 33.6 50.4



#42
Bromodichloromethane
Concen: 0.101 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 83 Resp: 2731
Ion Ratio Lower Upper
83 100
85 60.1 50.4 75.6
127 17.5 6.5 9.7#

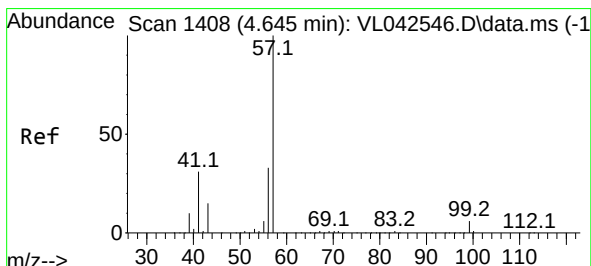
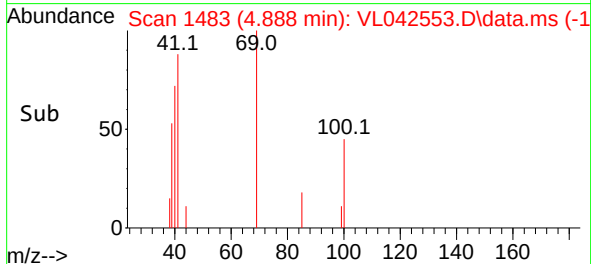
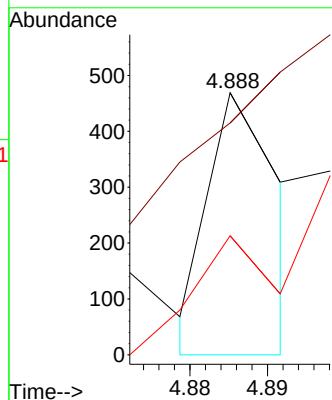
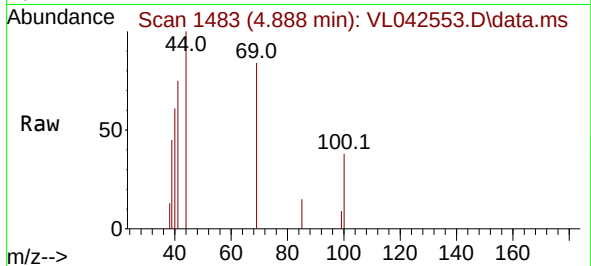




#43
Methyl Methacrylate
Concen: 0.014 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

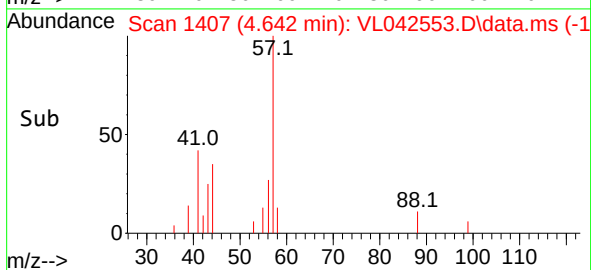
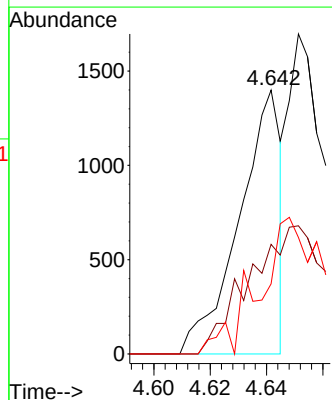
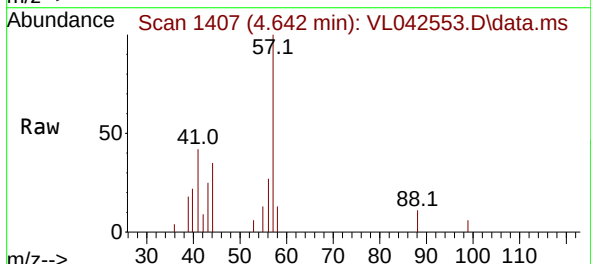
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

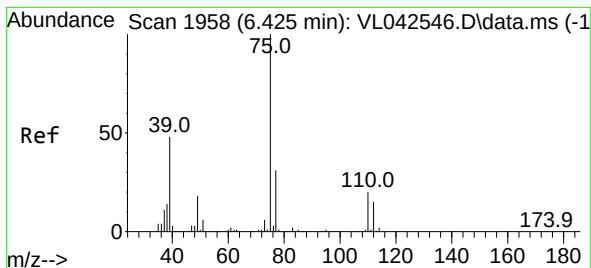
Tgt Ion: 69 Resp: 151
Ion Ratio Lower Upper
69 100
41 0.0 107.8 161.8#
100 139.7 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.030 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 57 Resp: 1437
Ion Ratio Lower Upper
57 100
41 0.0 25.0 37.4#
56 0.0 25.1 37.7#





#45

t-1,3-Dichloropropene

Concen: 0.022 ppbv

RT: 6.415 min Scan# 1955

Delta R.T. -0.010 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

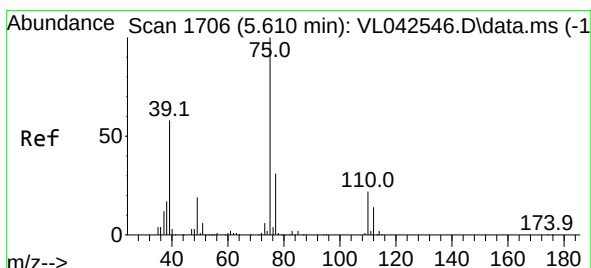
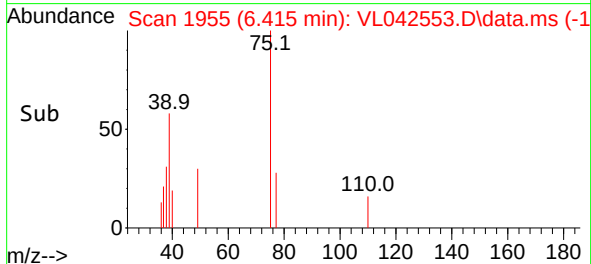
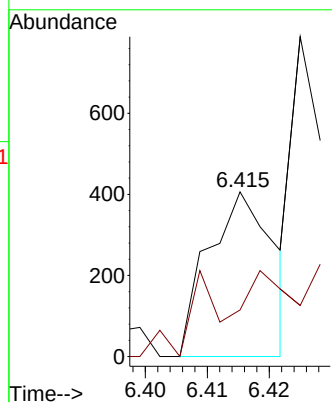
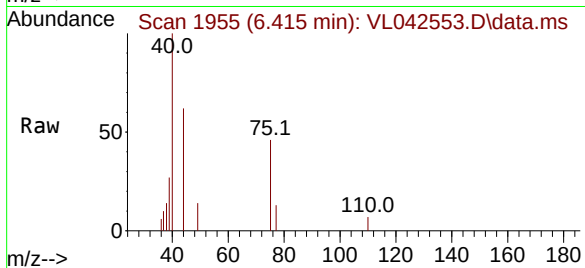
VSTDIC0.1

Tgt Ion: 75 Resp: 296

Ion Ratio Lower Upper

75 100

77 28.3 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 0.040 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

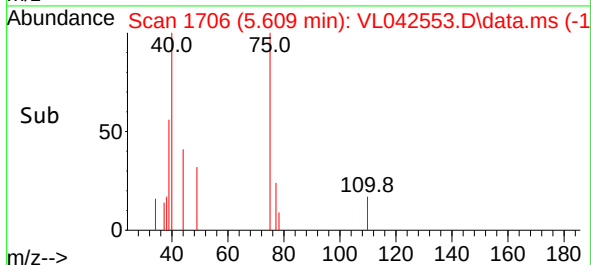
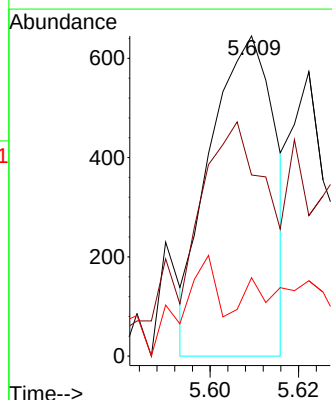
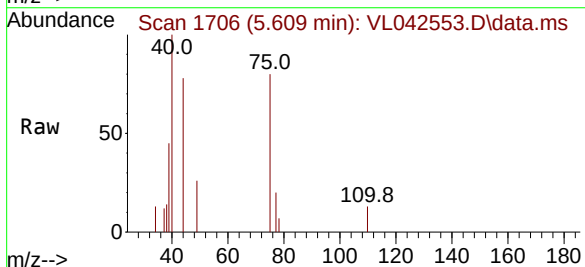
Tgt Ion: 75 Resp: 658

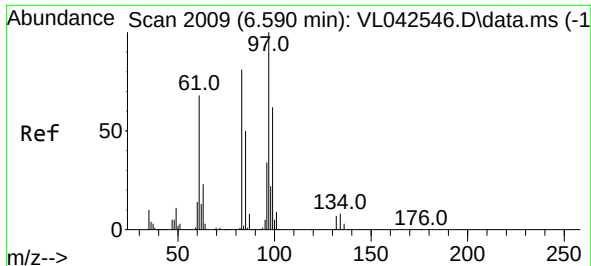
Ion Ratio Lower Upper

75 100

39 51.3 46.3 69.5

77 18.3 25.0 37.6#

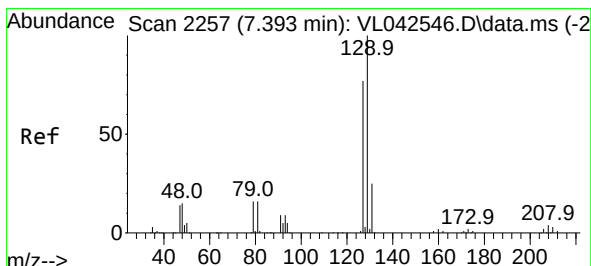
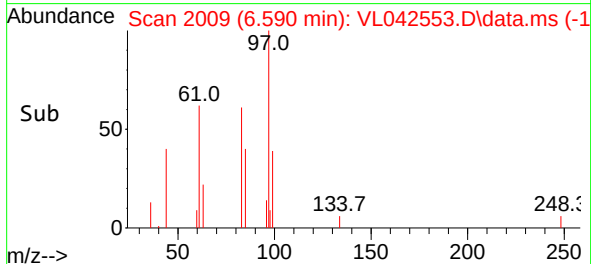
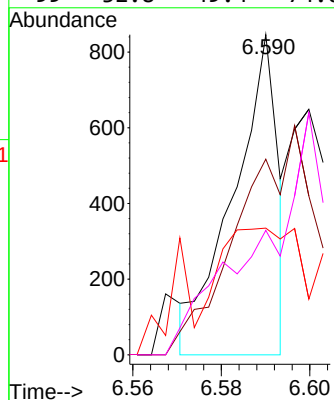
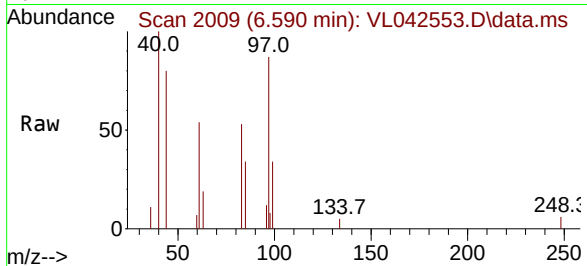




#47
 1,1,2-Trichloroethane
 Concen: 0.045 ppbv
 RT: 6.590 min Scan# 2009
 Delta R.T. -0.000 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

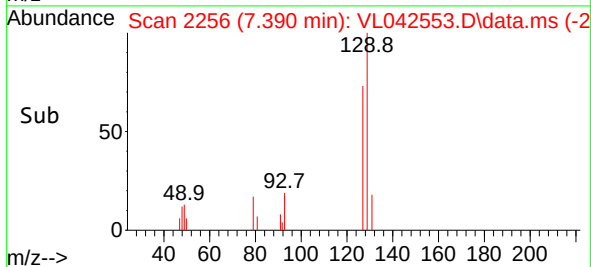
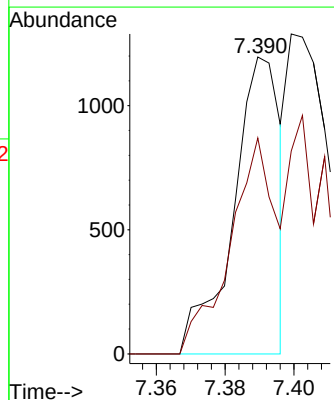
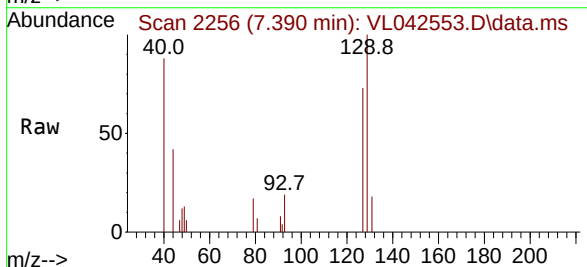
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

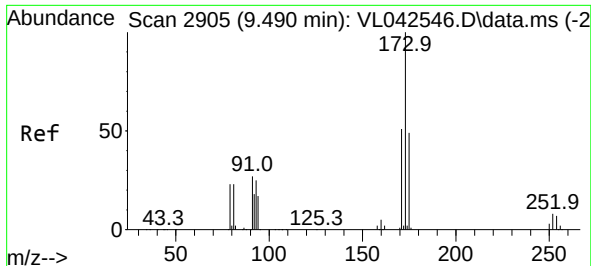
Tgt Ion: 97	Resp: 593
Ion Ratio	Lower Upper
97 100	
83 58.0	65.0 97.4#
85 3.7	39.9 59.9#
99 32.8	49.4 74.0#



#48
 Dibromochloromethane
 Concen: 0.049 ppbv
 RT: 7.390 min Scan# 2256
 Delta R.T. -0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion:129	Resp:	1130	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.0	117.0#





#49

Bromoform

Concen: 0.086 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

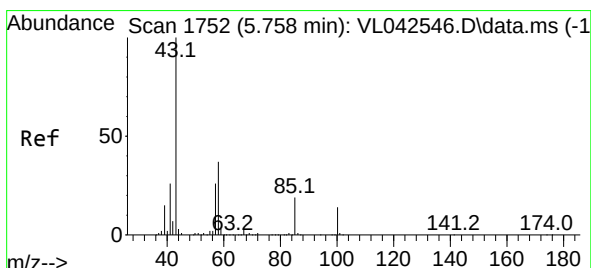
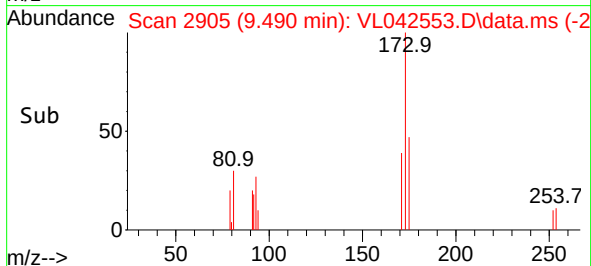
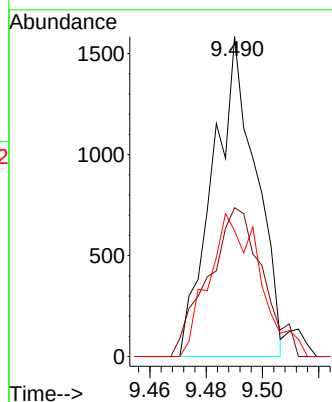
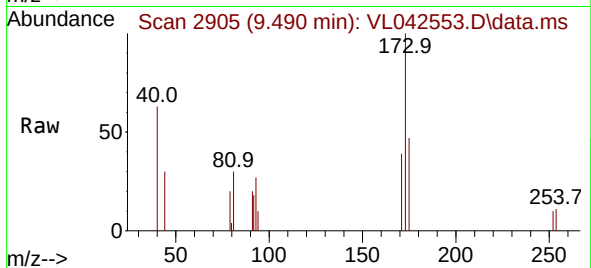
Tgt Ion:173 Resp: 1685

Ion Ratio Lower Upper

173 100

175 58.2 39.2 58.8

171 53.1 41.9 62.9



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 5.752 min Scan# 1750

Delta R.T. -0.007 min

Lab File: VL042553.D

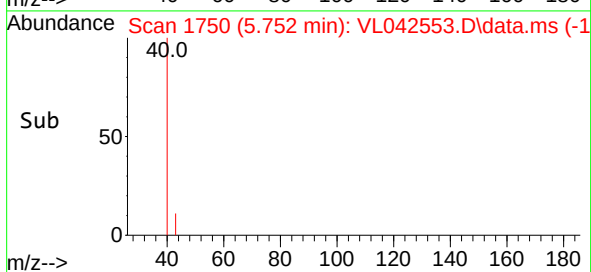
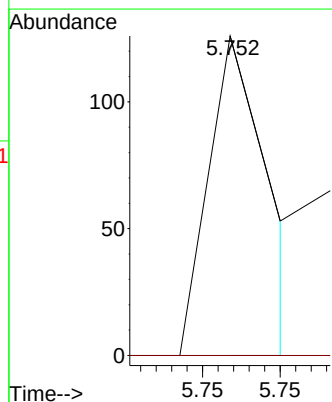
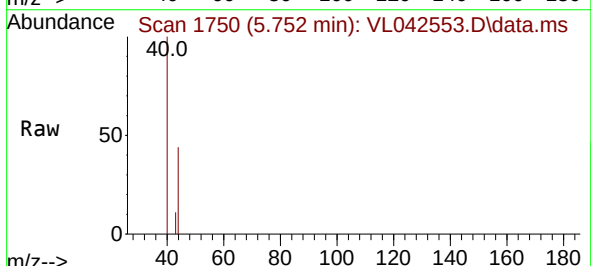
Acq: 20 May 2025 14:01

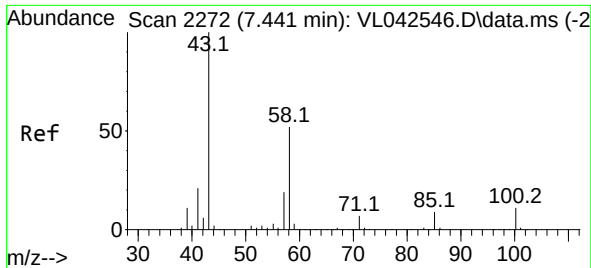
Tgt Ion: 43 Resp: 35

Ion Ratio Lower Upper

43 100

58 0.0 30.0 45.0#

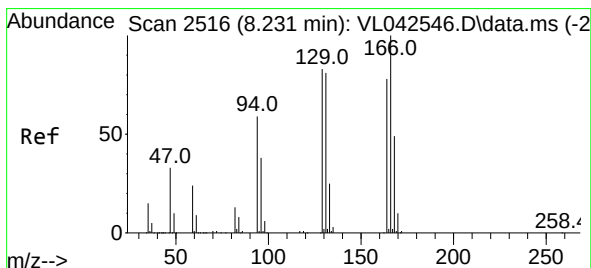
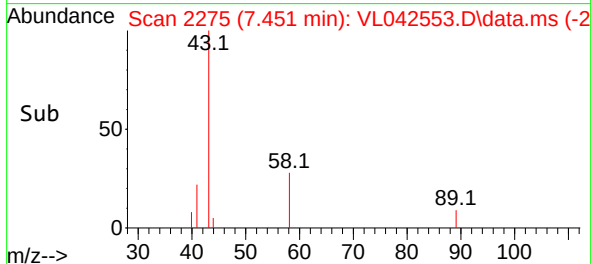
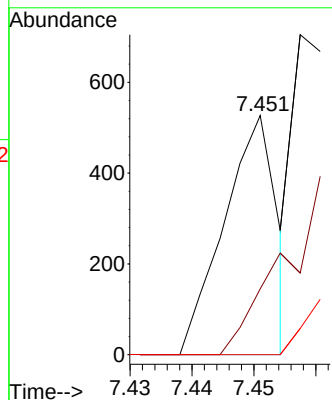
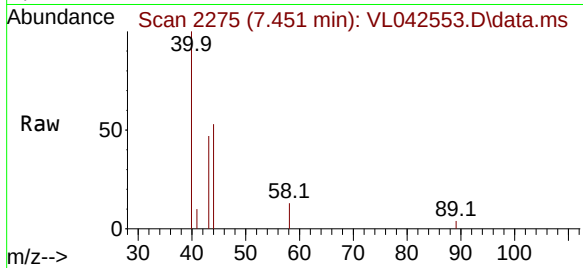




#51
2-Hexanone
Concen: 0.017 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

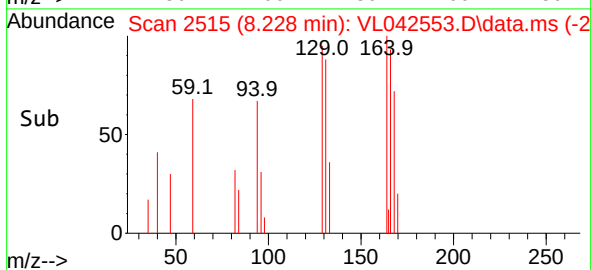
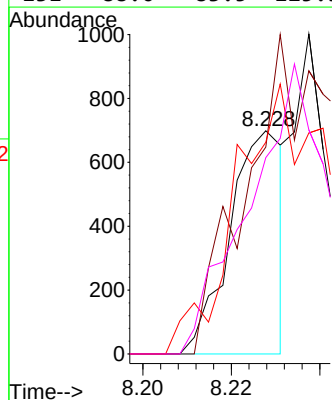
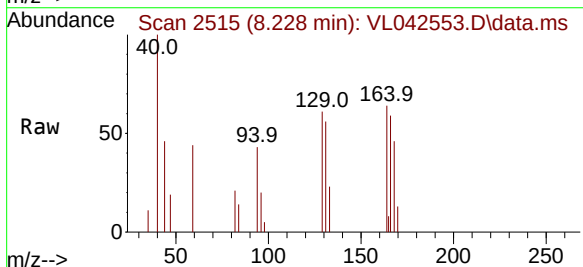
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

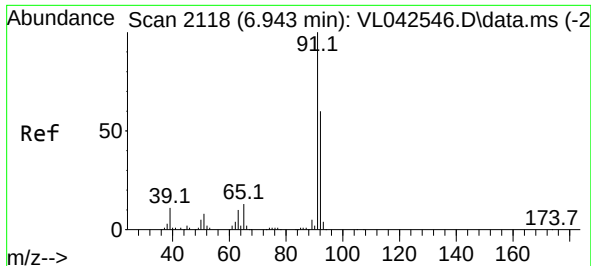
Tgt Ion: 43 Resp: 313
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.2#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.047 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 164 Resp: 582
Ion Ratio Lower Upper
164 100
166 92.7 103.1 154.7#
129 80.0 85.3 127.9#
131 88.0 83.5 125.3

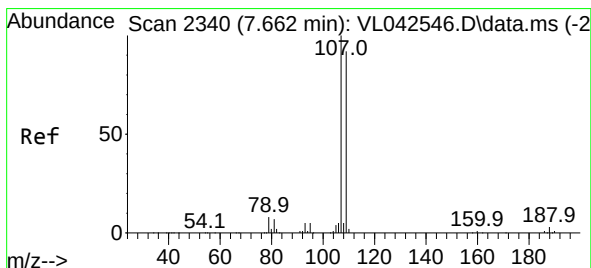
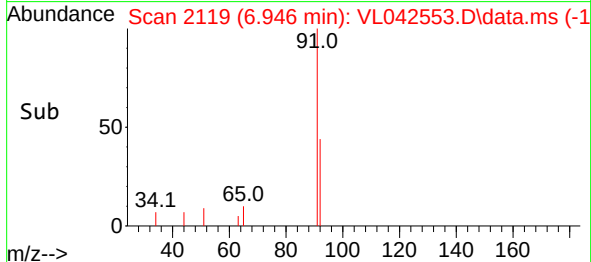
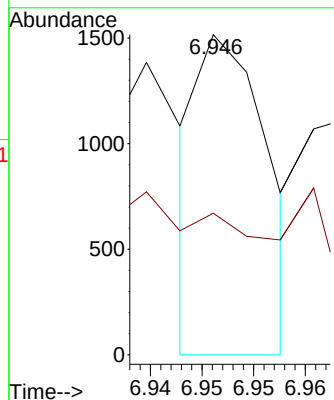
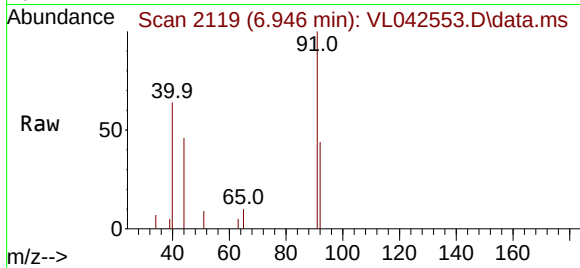




#53
Toluene
Concen: 0.021 ppbv
RT: 6.946 min Scan# 2118
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

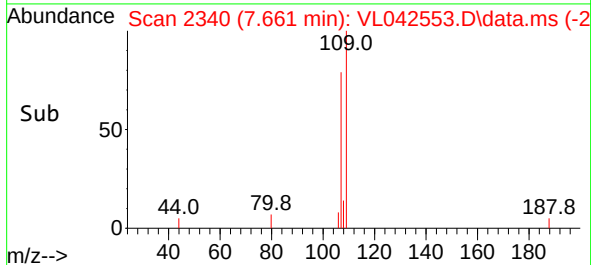
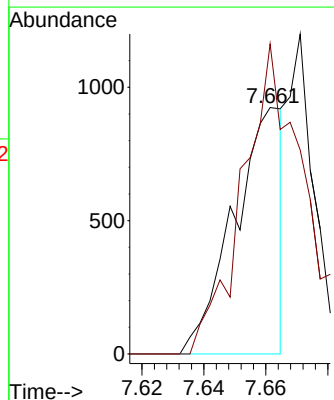
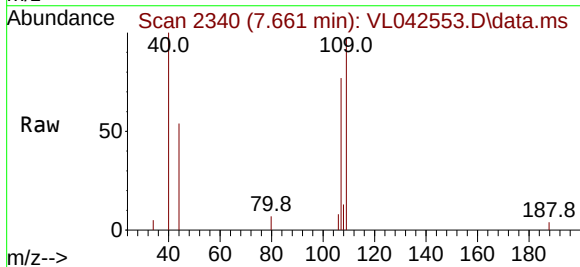
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

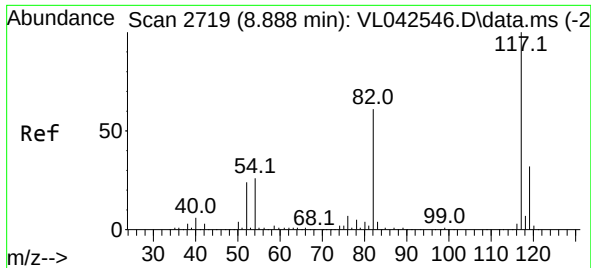
Tgt Ion: 91 Resp: 704
Ion Ratio Lower Upper
91 100
92 0.0 47.8 71.8#



#54
1,2-Dibromoethane
Concen: 0.052 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 107 Resp: 1008
Ion Ratio Lower Upper
107 100
109 125.9 73.4 110.2#

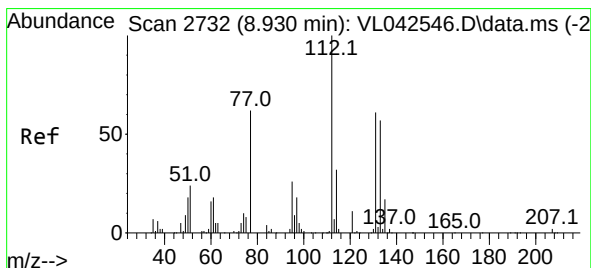
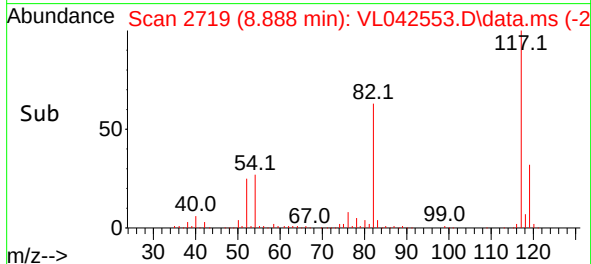
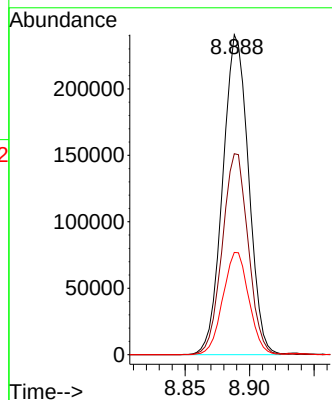
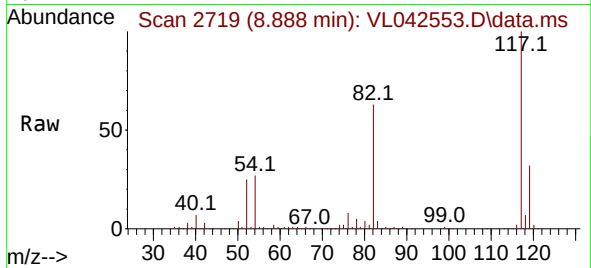




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

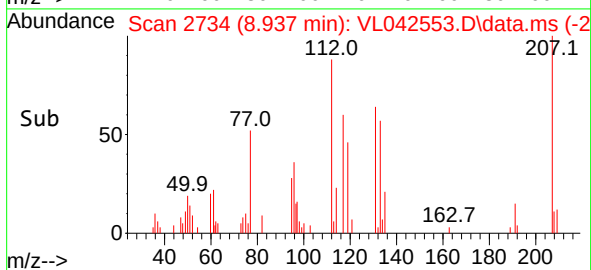
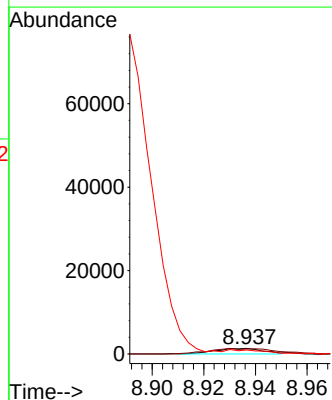
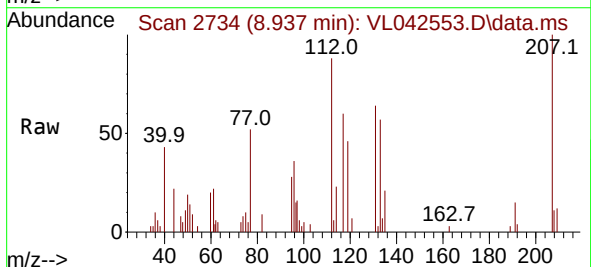
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

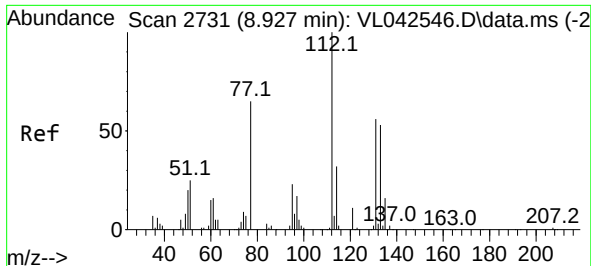
Tgt Ion:117 Resp: 334978
Ion Ratio Lower Upper
117 100
82 63.1 51.0 76.4
119 32.6 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.096 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.006 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion:131 Resp: 1722
Ion Ratio Lower Upper
131 100
133 134.6 76.3 114.5#
119 6333.2 47.5 71.3#

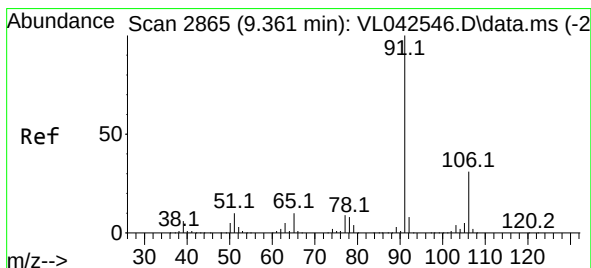
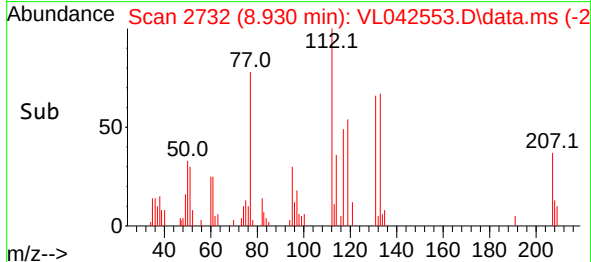
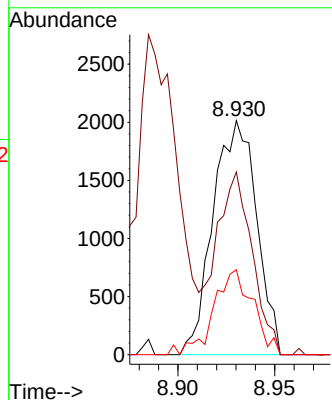
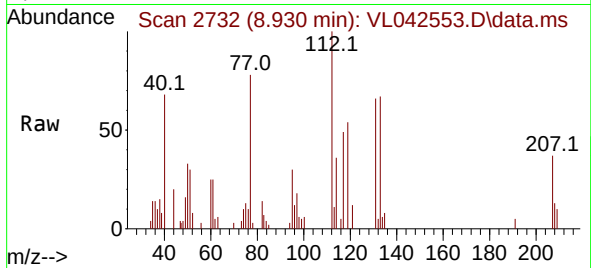




#57
Chlorobenzene
Concen: 0.106 ppbv
RT: 8.930 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

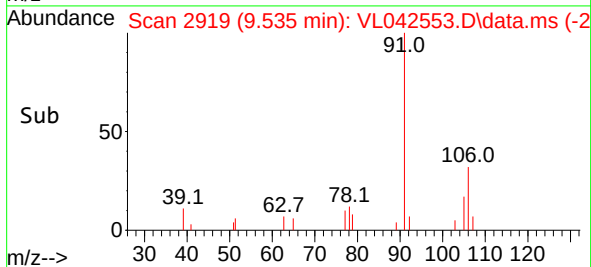
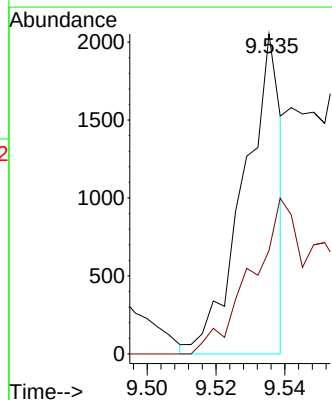
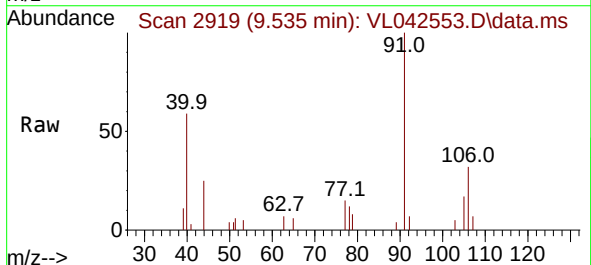
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

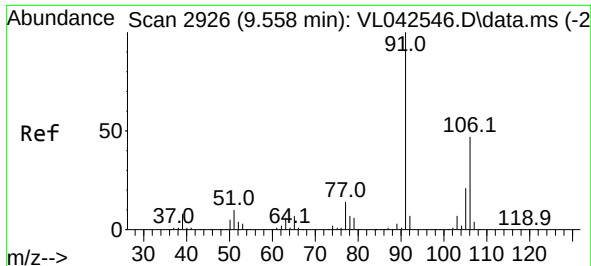
Tgt Ion: 112 Resp: 3156
Ion Ratio Lower Upper
112 100
77 78.1 53.2 79.8
114 36.3 28.4 34.8#



#58
Ethyl Benzene
Concen: 0.035 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. 0.175 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 91 Resp: 1537
Ion Ratio Lower Upper
91 100
106 33.3 24.6 37.0





#59

m/p-Xylene

Concen: 0.053 ppbv

RT: 9.558 min Scan# 2926

Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

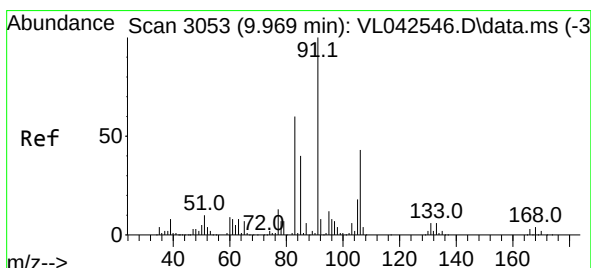
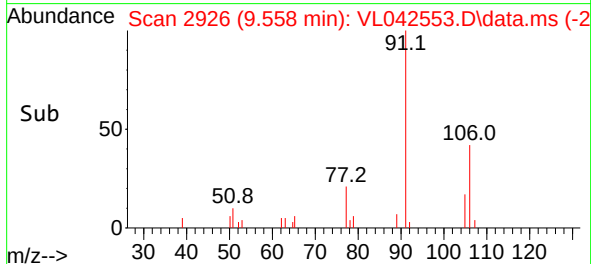
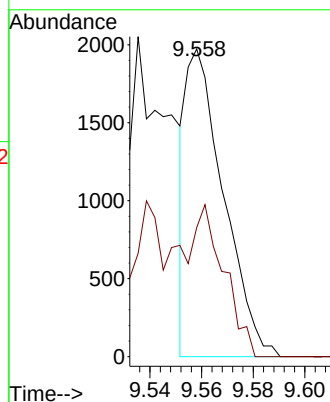
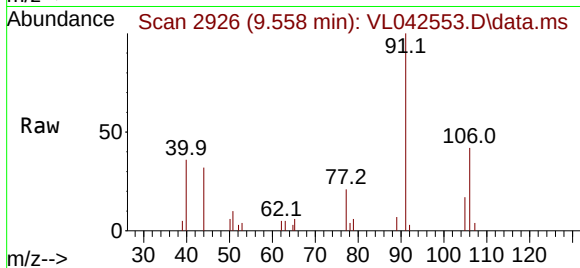
VSTDIC0.1

Tgt Ion: 91 Resp: 1990

Ion Ratio Lower Upper

91 100

106 0.0 37.1 55.7#



#60

o-Xylene

Concen: 0.060 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VL042553.D

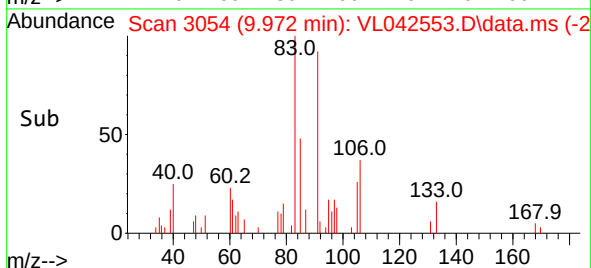
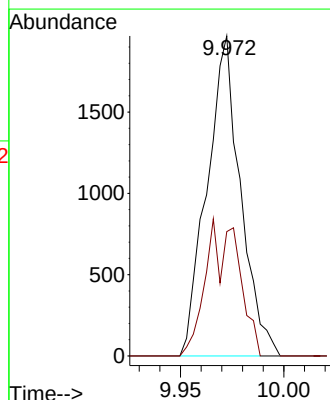
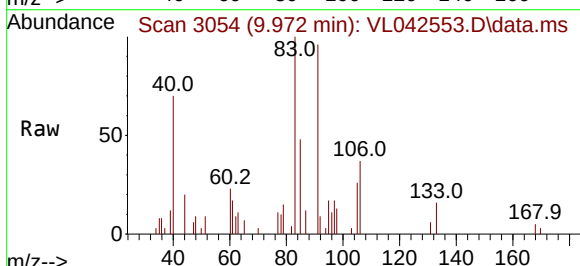
Acq: 20 May 2025 14:01

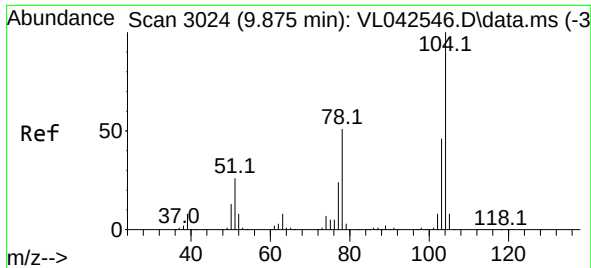
Tgt Ion: 91 Resp: 2218

Ion Ratio Lower Upper

91 100

106 42.3 21.6 64.8





#61

Styrene

Concen: 0.057 ppbv

RT: 9.882 min Scan# 3024

Delta R.T. 0.006 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

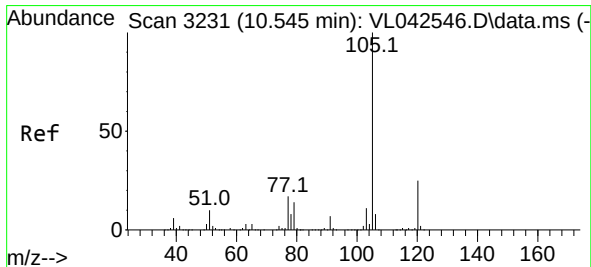
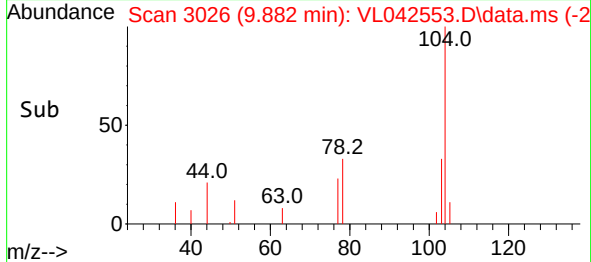
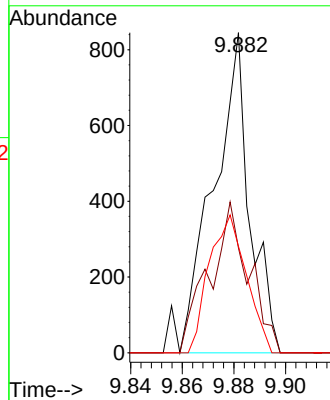
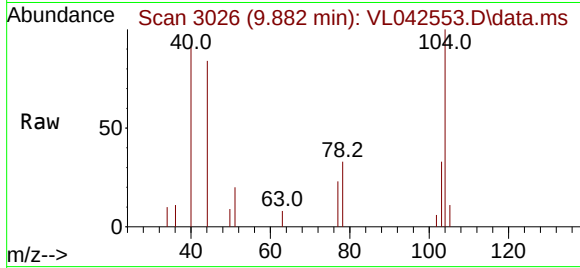
Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion:104	Resp:	816
Ion	Ratio	Lower Upper
104	100	
78	51.7	39.2 58.8
103	44.6	37.1 55.7



#62

Isopropylbenzene

Concen: 0.073 ppbv

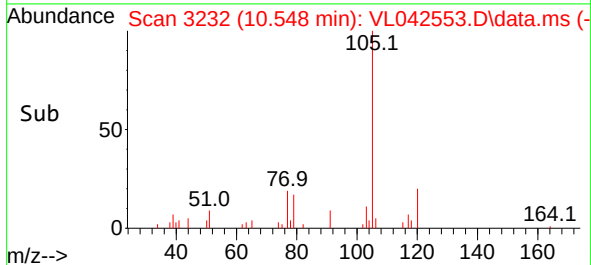
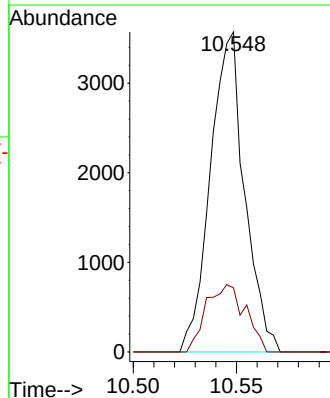
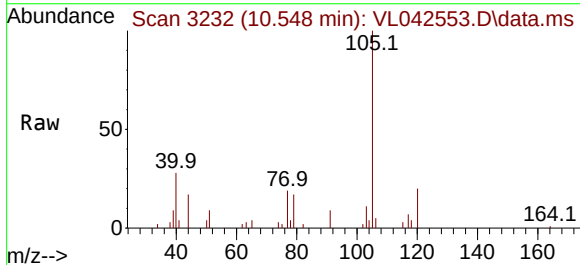
RT: 10.548 min Scan# 3232

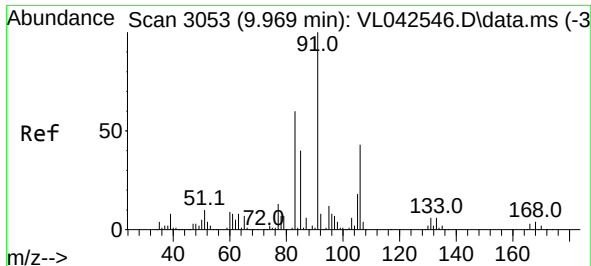
Delta R.T. 0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Tgt Ion:105	Resp:	4115
Ion	Ratio	Lower Upper
105	100	
120	24.1	20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.101 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

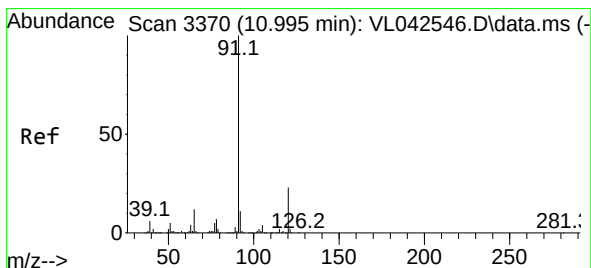
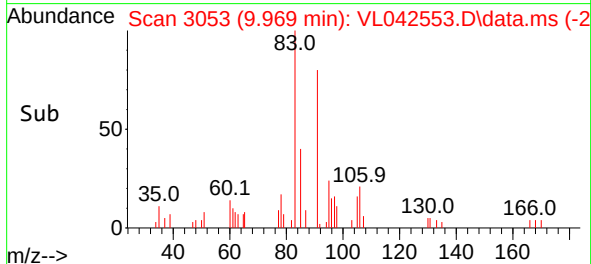
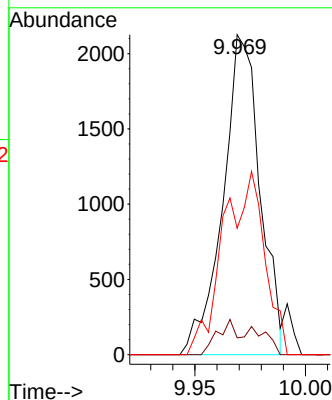
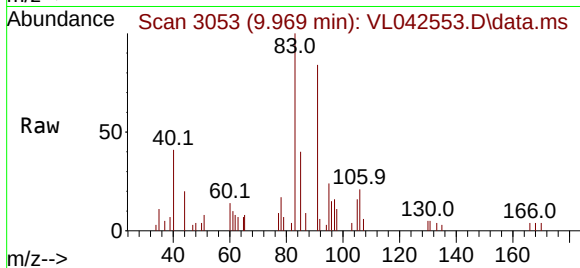
Tgt Ion: 83 Resp: 2484

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

85 64.0 32.5 97.4



#64

n-propylbenzene

Concen: 0.045 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. -0.000 min

Lab File: VL042553.D

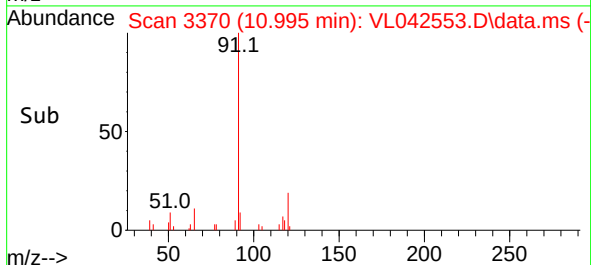
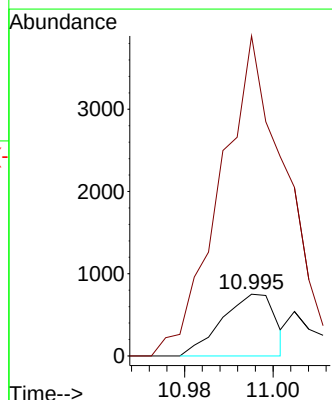
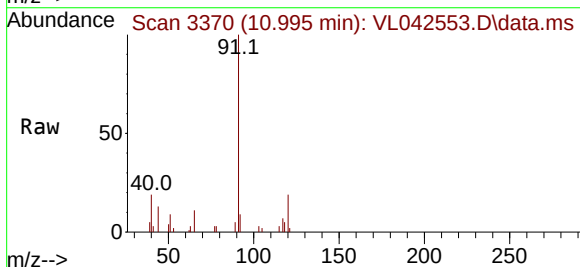
Acq: 20 May 2025 14:01

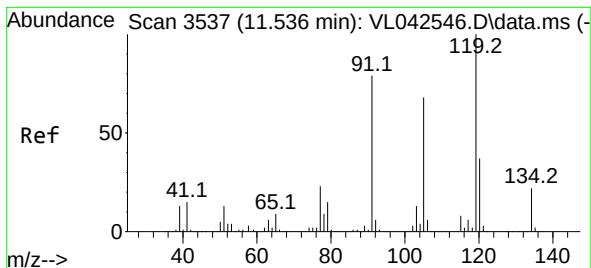
Tgt Ion: 120 Resp: 630

Ion Ratio Lower Upper

120 100

91 643.2 367.0 550.4#

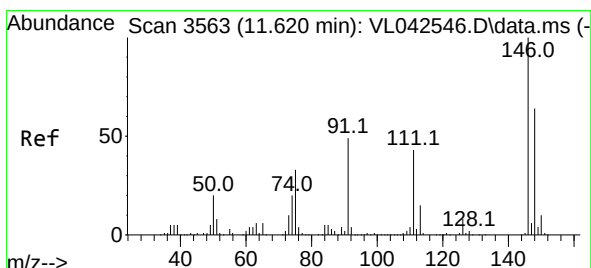
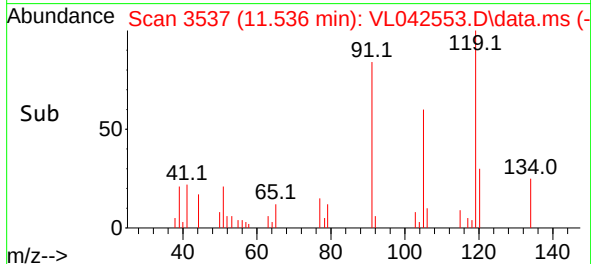
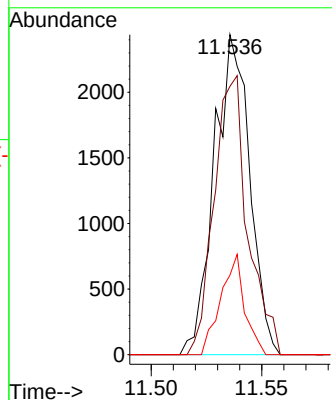
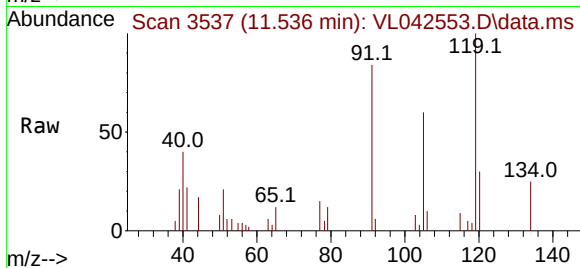




#65
tert-Butylbenzene
Concen: 0.053 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

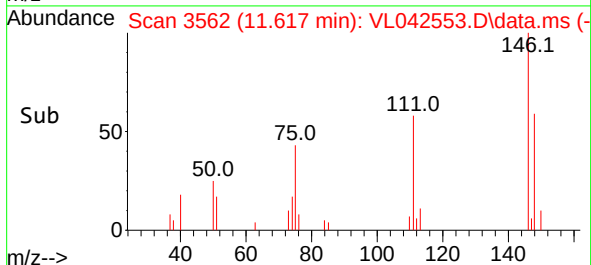
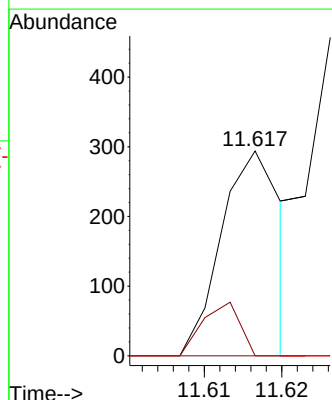
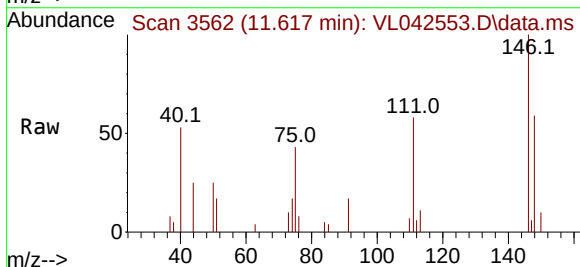
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

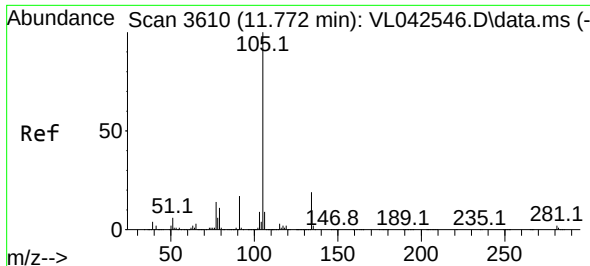
Tgt Ion:119 Resp: 2725
Ion Ratio Lower Upper
119 100
91 82.4 62.7 94.1
134 21.0 16.8 25.2



#66
Benzyl Chloride
Concen: 0.025 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. -0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion: 91 Resp: 159
Ion Ratio Lower Upper
91 100
126 16.4 14.2 21.2
128 0.0 4.6 6.8

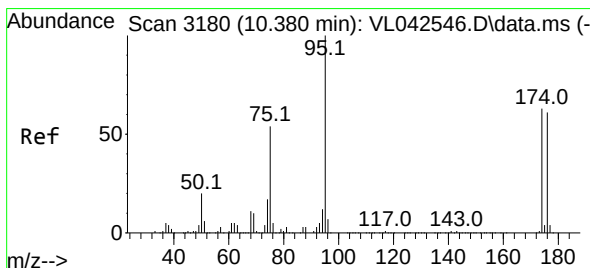
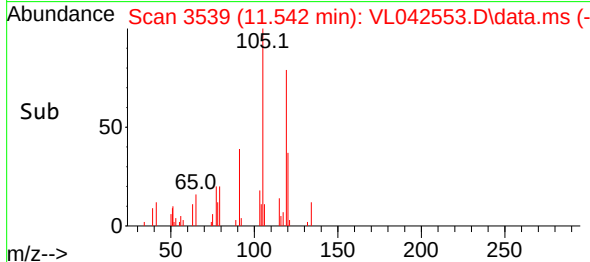
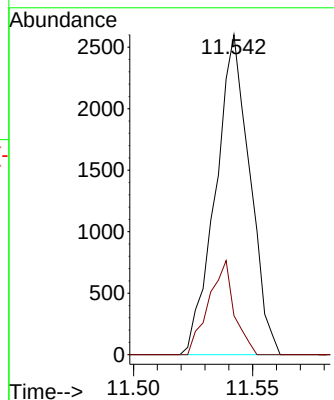
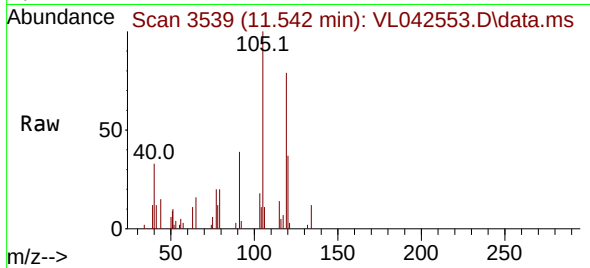




#67
 sec-Butylbenzene
 Concen: 0.036 ppbv
 RT: 11.542 min Scan# 3153
 Delta R.T. -0.230 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

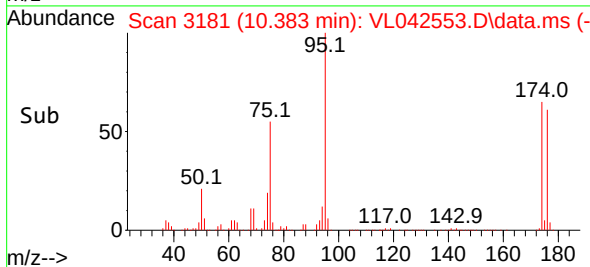
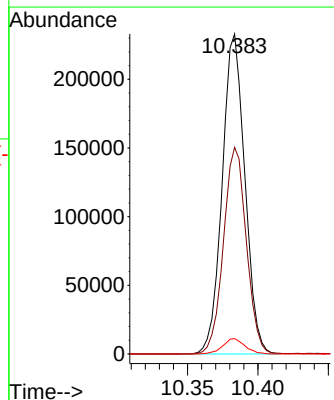
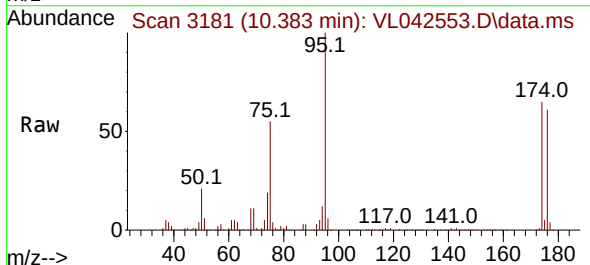
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

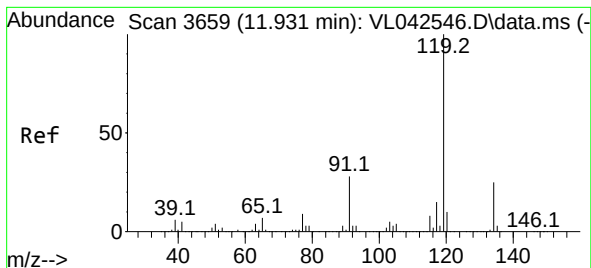
Tgt Ion:105 Resp: 2602
 Ion Ratio Lower Upper
 105 100
 134 22.0 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.741 ppbv
 RT: 10.383 min Scan# 3181
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion: 95 Resp: 261147
 Ion Ratio Lower Upper
 95 100
 174 65.5 52.0 78.0
 175 4.7 3.8 5.6

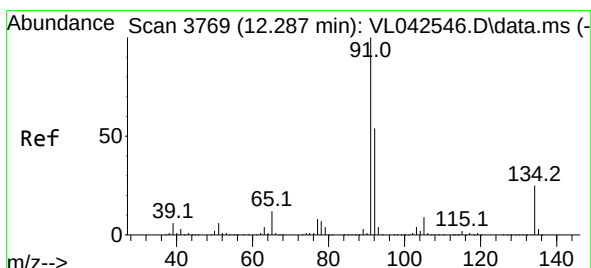
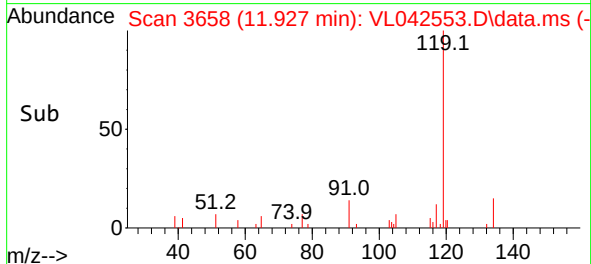
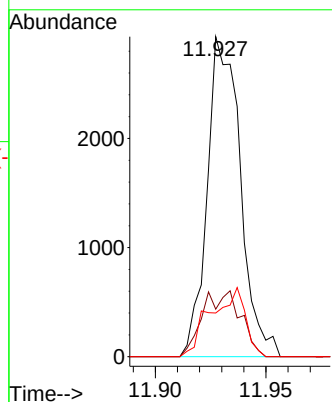
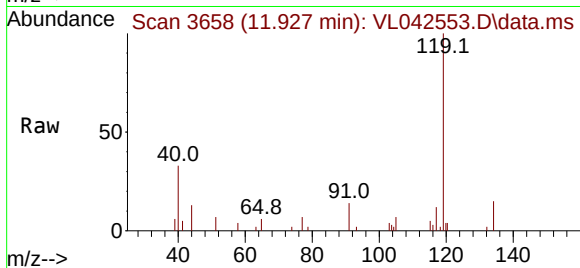




#69
 p-Isopropyltoluene
 Concen: 0.051 ppbv
 RT: 11.927 min Scan# 3658
 Delta R.T. -0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

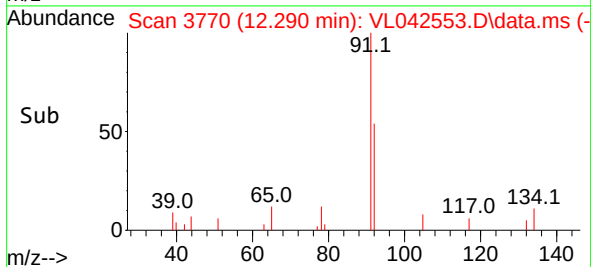
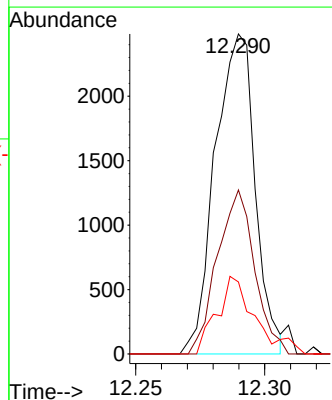
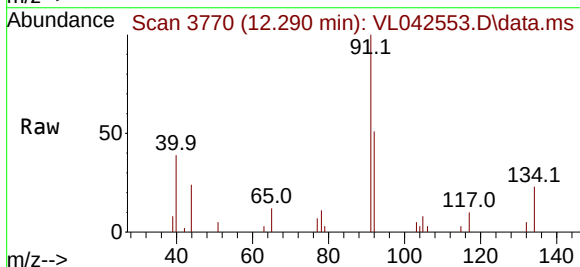
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

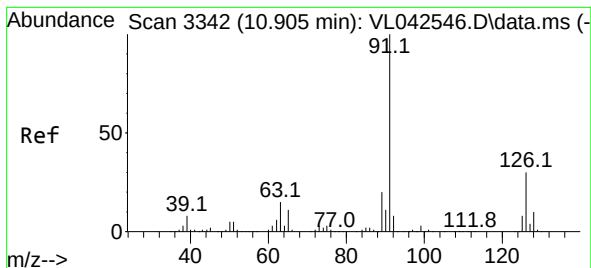
Tgt Ion:	119	Resp:	3053
Ion	Ratio	Lower	Upper
119	100		
134	23.7	20.1	30.1
91	22.5	22.3	33.5



#70
 n-Butylbenzene
 Concen: 0.048 ppbv
 RT: 12.290 min Scan# 3770
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Tgt Ion:	91	Resp:	2674
Ion	Ratio	Lower	Upper
91	100		
92	47.8	43.8	65.6
134	23.0	19.7	29.5





#71

2-Chlorotoluene

Concen: 0.074 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_1

ClientSampleId :

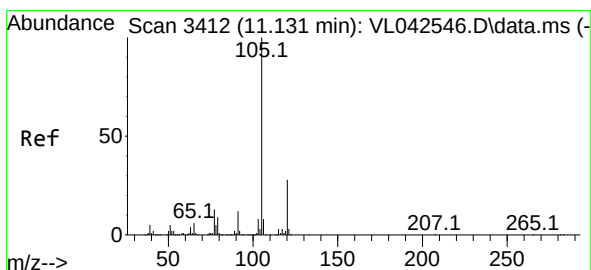
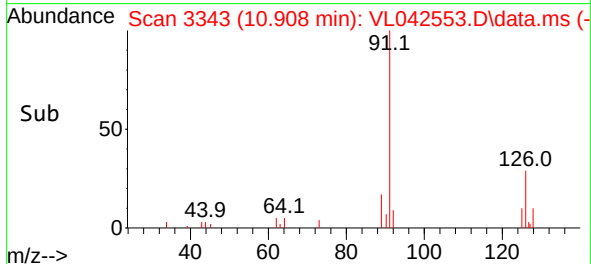
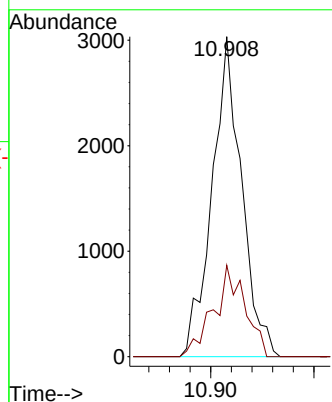
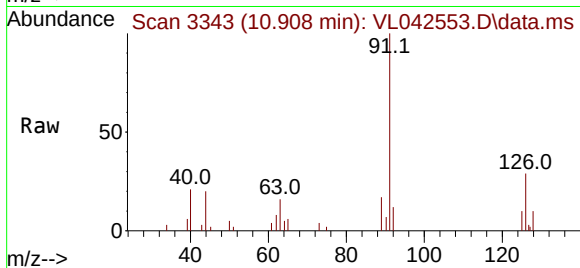
VSTDIC0.1

Tgt Ion: 91 Resp: 3022

Ion Ratio Lower Upper

91 100

126 30.2 12.4 49.4



#72

4-Ethyltoluene

Concen: 0.056 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. -0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Tgt Ion: 105 Resp: 2584

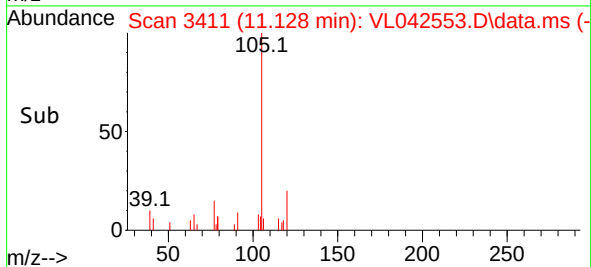
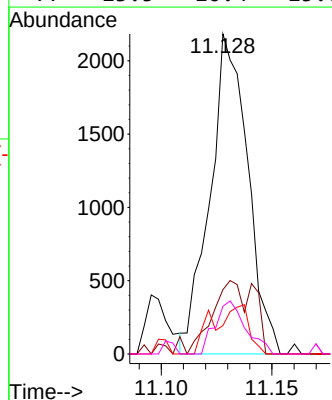
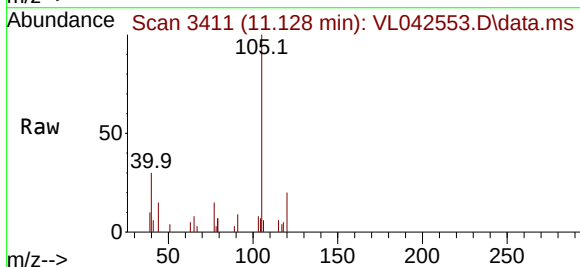
Ion Ratio Lower Upper

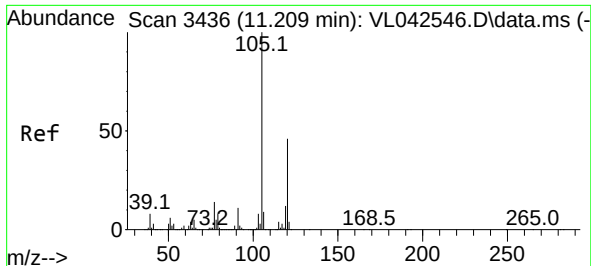
105 100

120 27.4 23.4 35.0

91 15.9 10.2 15.4#

77 13.5 10.4 15.6

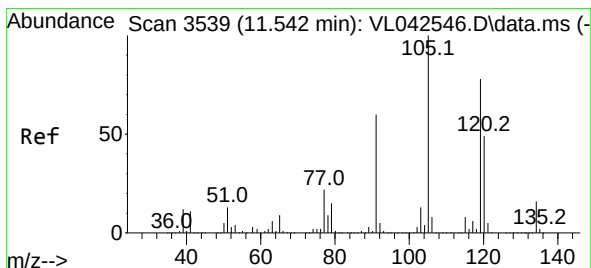
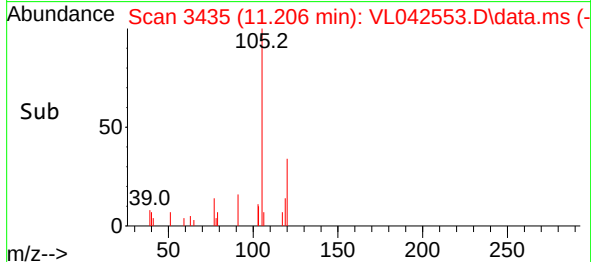
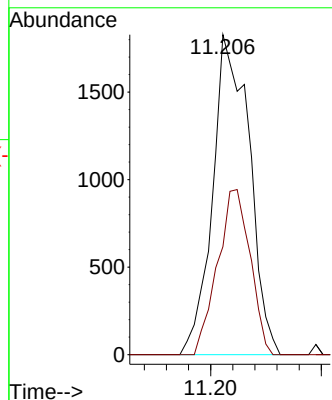
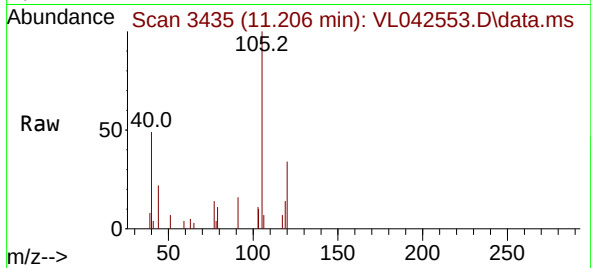




#73
1,3,5-Trimethylbenzene
Concen: 0.053 ppbv
RT: 11.206 min Scan# 3436
Delta R.T. -0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

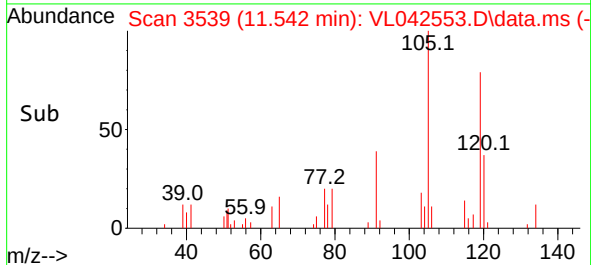
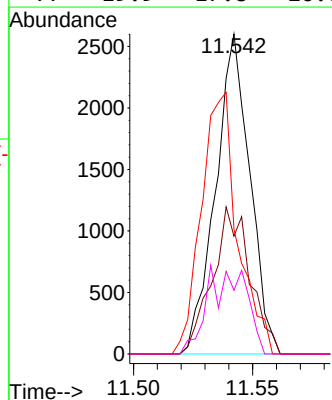
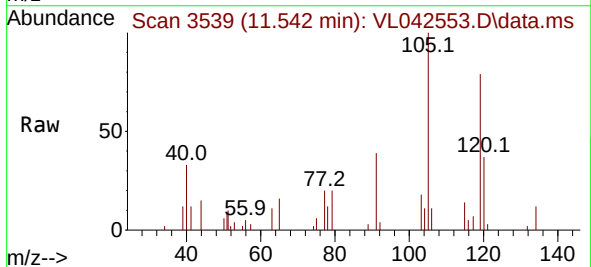
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

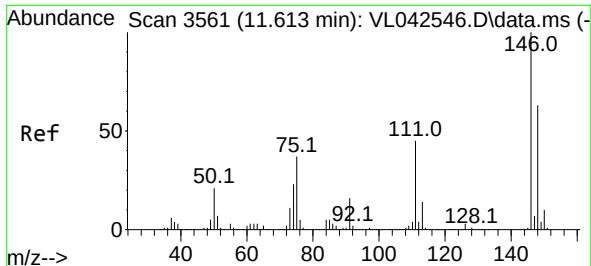
Tgt Ion:105 Resp: 2102
Ion Ratio Lower Upper
105 100
120 33.8 36.5 54.7#



#74
1,2,4-Trimethylbenzene
Concen: 0.054 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion:105 Resp: 2602
Ion Ratio Lower Upper
105 100
120 36.8 39.4 59.0#
91 39.0 47.8 71.8#
77 19.9 17.8 26.6

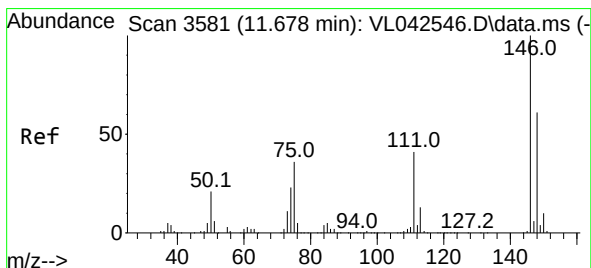
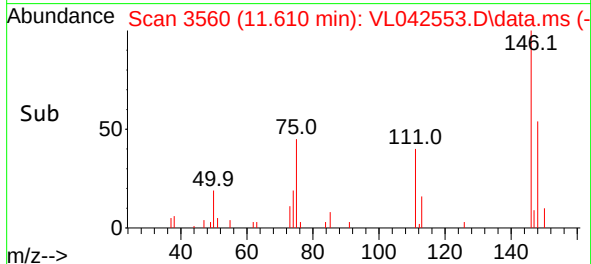
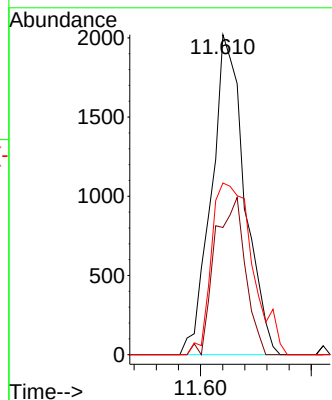
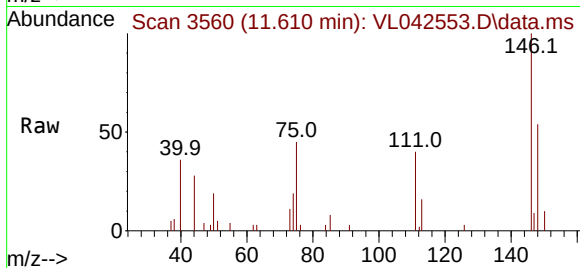




#75
1,3-Dichlorobenzene
Concen: 0.072 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.003 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

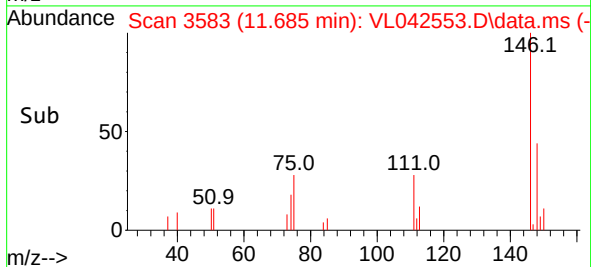
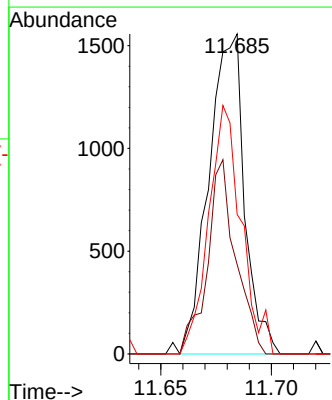
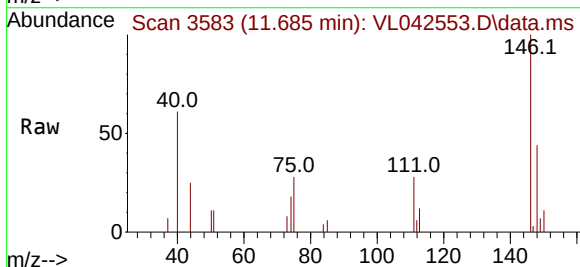
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

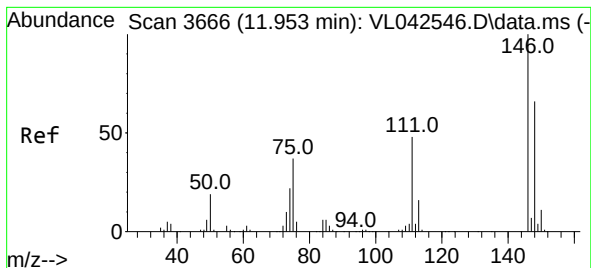
Tgt Ion:146 Resp: 2109
Ion Ratio Lower Upper
146 100
111 45.0 22.8 68.4
148 66.0 31.6 94.8



#76
1,4-Dichlorobenzene
Concen: 0.061 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.006 min
Lab File: VL042553.D
Acq: 20 May 2025 14:01

Tgt Ion:146 Resp: 1744
Ion Ratio Lower Upper
146 100
111 48.4 21.8 65.3
148 71.0 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 0.080 ppbv

RT: 11.953 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

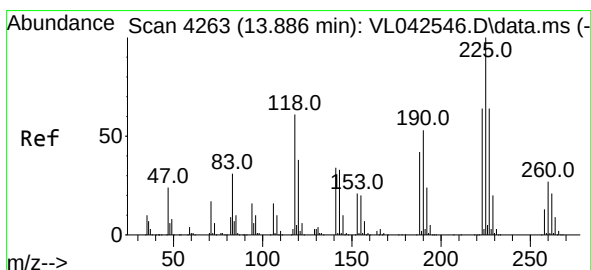
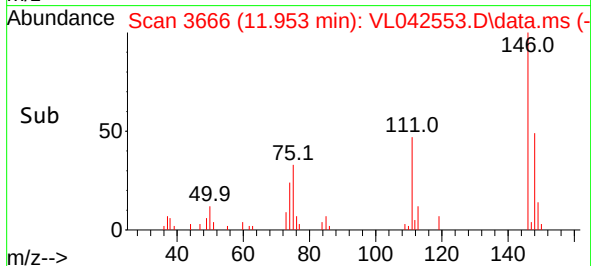
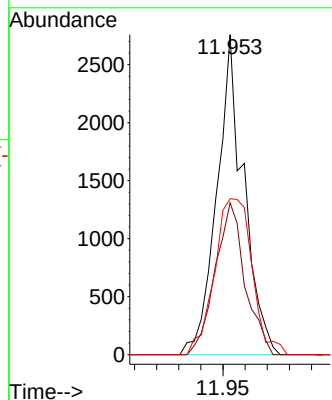
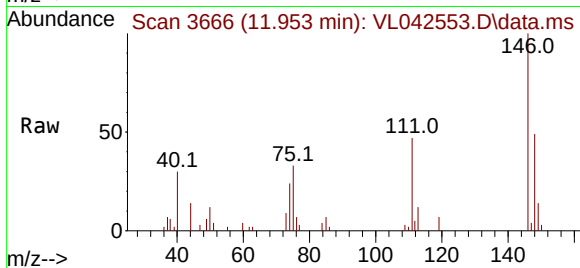
Tgt Ion:146 Resp: 2323

Ion Ratio Lower Upper

146 100

111 52.8 23.7 71.1

148 68.1 32.3 96.9



#78

Hexachloro-1,3-Butadiene

Concen: 0.111 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

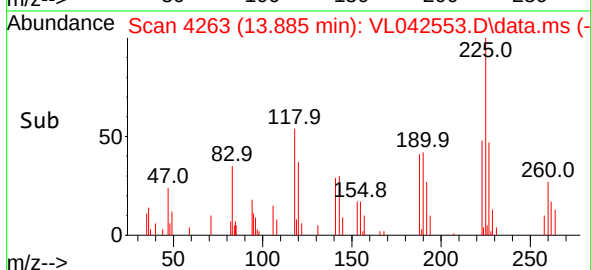
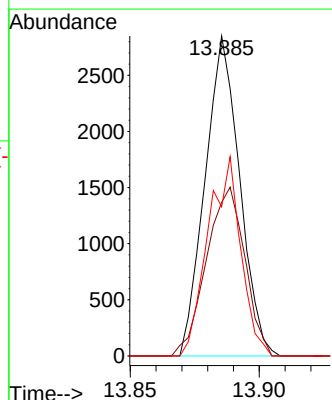
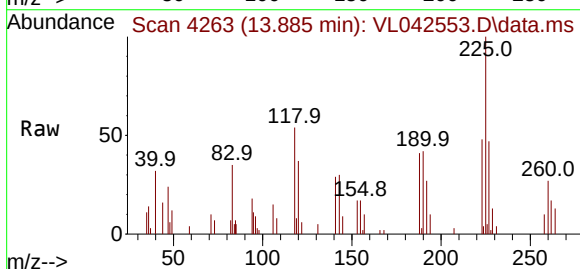
Tgt Ion:225 Resp: 2658

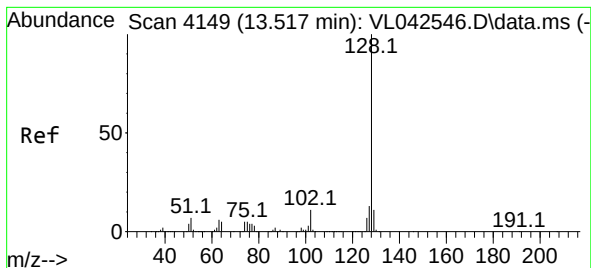
Ion Ratio Lower Upper

225 100

223 58.6 51.0 76.6

227 59.1 50.2 75.4





#79

Naphthalene

Concen: 0.057 ppbv

RT: 13.520 min Scan# 4150

Delta R.T. 0.003 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

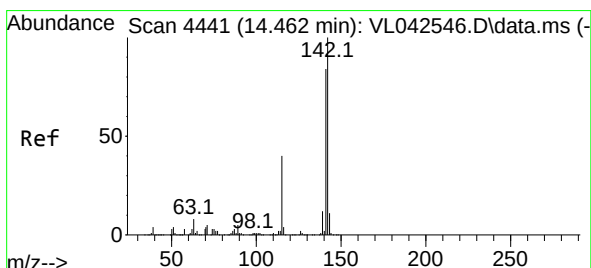
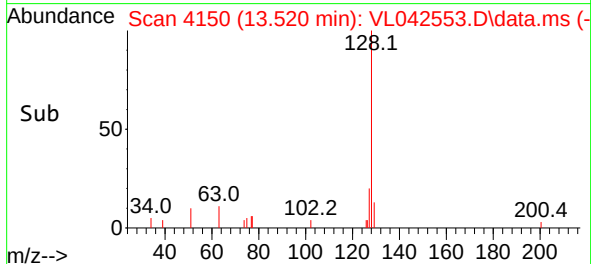
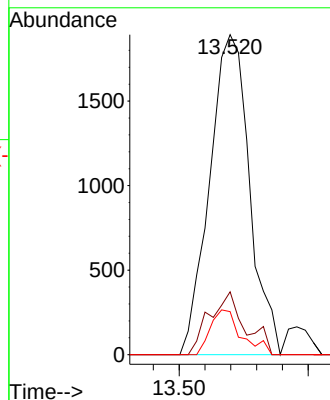
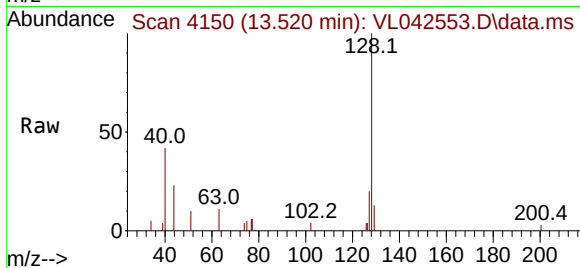
Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion:128	Resp:	2035
Ion Ratio	Lower	Upper
128	100	
127	19.7	10.5 15.7#
129	13.4	9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 0.049 ppbv

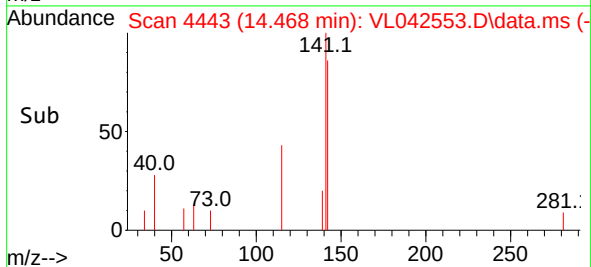
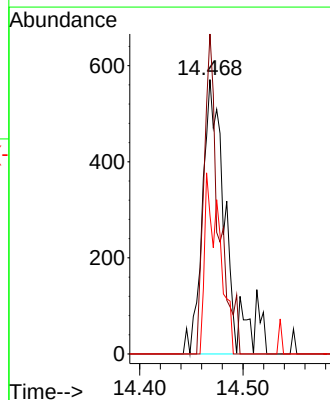
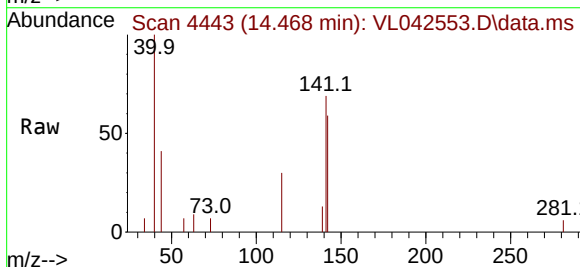
RT: 14.468 min Scan# 4443

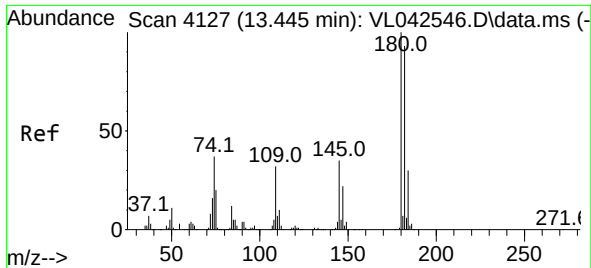
Delta R.T. 0.006 min

Lab File: VL042553.D

Acq: 20 May 2025 14:01

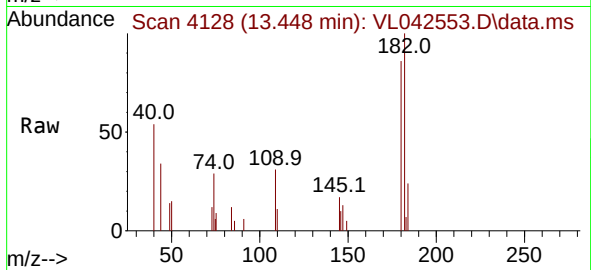
Tgt Ion:142	Resp:	911
Ion Ratio	Lower	Upper
142	100	
141	72.3	67.4 101.0
115	41.4	31.5 47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.048 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042553.D
 Acq: 20 May 2025 14:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1



Tgt Ion:	180	Resp:	1034
Ion	Ratio	Lower	Upper
180	100		
182	109.7	75.6	113.4
184	30.7	23.7	35.5

