

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042580.D
 Acq On : 29 May 2025 11:43
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: May 30 01:17:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 01:15:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	104930	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	310090	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	284199	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	210508	9.881	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	27278	2.115	ppbv	99
3) Chlorodifluoromethane	1.476	51	38320	2.157	ppbv	98
4) Chloromethane	1.534	50	10641	2.084	ppbv	98
5) Vinyl Chloride	1.580	62	9819	1.887	ppbv	98
6) Bromomethane	1.670	94	4819	1.903	ppbv	83
7) Chloroethane	1.706	64	4162	2.059	ppbv #	85
8) Dichlorotetrafluoroethane	1.554	85	22568	2.100	ppbv	98
9) Propene	1.483	41	15155	2.119	ppbv	96
10) Heptane	4.988	43	41577	2.060	ppbv	97
11) Trichlorofluoromethane	1.878	101	25215	2.101	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.143	101	19963	2.119	ppbv	99
13) Ethanol	1.722	45	1892	2.370	ppbv	84
14) Bromoethene	1.784	108	7607	2.146	ppbv #	94
15) Acetone	1.839	43	27254	2.156	ppbv	100
16) 1,3-Butadiene	1.609	39	12523	2.092	ppbv	95
17) tert-Butyl alcohol	2.046	59	26842	2.039	ppbv	96
18) 1,1-Dichloroethene	2.036	96	9179	2.094	ppbv	95
19) Isopropyl Alcohol	1.887	45	15567	2.060	ppbv #	43
20) Methylene Chloride	2.062	84	8763	2.101	ppbv	95
21) Allyl Chloride	2.098	41	18178	2.038	ppbv	91
22) trans-1,2-Dichloroethene	2.344	96	9775	1.998	ppbv	97
23) Vinyl Acetate	2.467	43	35373	2.070	ppbv #	96
24) 1,1-Dichloroethane	2.412	63	21077	2.100	ppbv	98
25) Ethyl Acetate	2.842	43	71613	2.070	ppbv	99
26) Hexane	2.829	57	32018	2.037	ppbv	97
27) Carbon Disulfide	2.153	76	25143	2.084	ppbv #	62
28) Methyl tert-Butyl Ether	2.444	73	13034	2.044	ppbv #	90
29) Chloroform	2.852	83	42693	2.089	ppbv	93
30) Cyclohexane	3.858	84	27030	2.075	ppbv	96
31) cis-1,2-Dichloroethene	2.726	61	30737	2.138	ppbv	93
32) 1,1,1-Trichloroethane	3.373	97	42588	2.077	ppbv	99
34) 2-Butanone	2.564	43	46279	2.093	ppbv	100
35) Carbon Tetrachloride	3.768	117	41545	2.029	ppbv	95
36) Benzene	3.661	78	63709	2.086	ppbv	96
37) 1,2-Dichloroethane	3.221	62	31831	2.097	ppbv	97
38) Trichloroethene	4.554	130	27139	2.075	ppbv	95
39) 1,2-Dichloropropane	4.321	63	23145	2.050	ppbv	98
40) 1,4-Dioxane	4.596	88	3930	0.819	ppbv #	1
41) Tetrahydrofuran	3.062	42	26391	2.039	ppbv	96
42) Bromodichloromethane	4.496	83	44705	2.074	ppbv	90
43) Methyl Methacrylate	4.888	69	13583	1.148	ppbv #	10
44) 2,2,4-Trimethylpentane	4.648	57	109446	2.097	ppbv	100
45) t-1,3-Dichloropropene	6.425	75	17372	1.281	ppbv	94

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

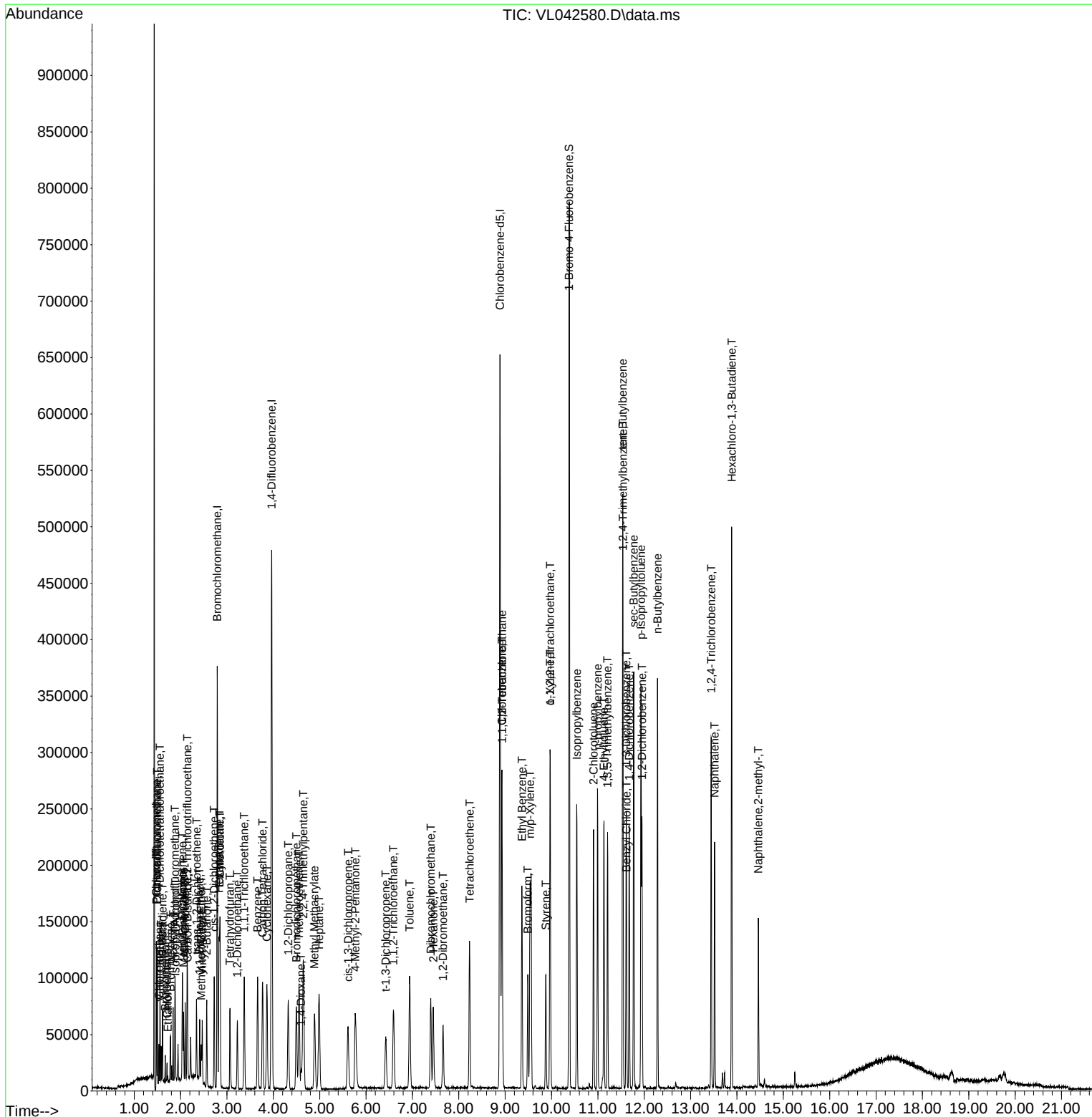
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

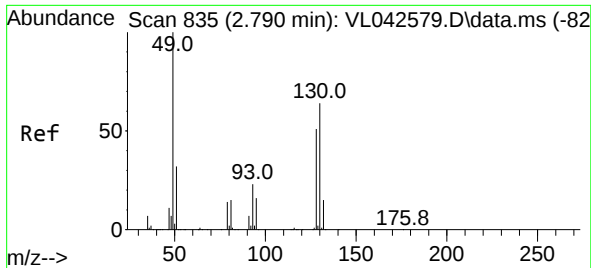
Quant Time: May 30 01:17:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 01:15:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	34445	2.027	ppbv	98
47) 1,1,2-Trichloroethane	6.590	97	24455	2.092	ppbv	94
48) Dibromochloromethane	7.396	129	39361	2.103	ppbv	99
49) Bromoform	9.487	173	34270	2.122	ppbv	98
50) 4-Methyl-2-Pentanone	5.771	43	62167	2.018	ppbv	99
51) 2-Hexanone	7.451	43	51074	2.100	ppbv #	97
52) Tetrachloroethene	8.234	164	24205	2.121	ppbv	95
53) Toluene	6.940	91	74240	2.104	ppbv	99
54) 1,2-Dibromoethane	7.661	107	35750	2.063	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.933	131	30026	2.101	ppbv	97
57) Chlorobenzene	8.930	112	57617	2.088	ppbv	95
58) Ethyl Benzene	9.361	91	104171	2.161	ppbv	96
59) m/p-Xylene	9.539	91	87626	2.309	ppbv #	29
60) o-Xylene	9.969	91	81886	2.164	ppbv	97
61) Styrene	9.879	104	38542	2.154	ppbv	99
62) Isopropylbenzene	10.545	105	120576	2.157	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	48590	2.020	ppbv	99
64) n-propylbenzene	10.995	120	32406	2.163	ppbv	100
65) tert-Butylbenzene	11.536	119	110380	2.176	ppbv	99
66) Benzyl Chloride	11.620	91	14327	2.190	ppbv	98
67) sec-Butylbenzene	11.772	105	153401	2.151	ppbv	99
69) p-Isopropyltoluene	11.931	119	130647	2.188	ppbv	99
70) n-Butylbenzene	12.287	91	130662	2.216	ppbv	100
71) 2-Chlorotoluene	10.908	91	90725	2.128	ppbv	99
72) 4-Ethyltoluene	11.128	105	103640	2.197	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	83829	2.147	ppbv	100
74) 1,2,4-Trimethylbenzene	11.542	105	94716	2.186	ppbv	98
75) 1,3-Dichlorobenzene	11.610	146	59138	2.174	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	58920	2.171	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	58400	2.212	ppbv	96
78) Hexachloro-1,3-Butadiene	13.885	225	49999	2.288	ppbv	98
79) Naphthalene	13.517	128	101451	2.494	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	44376	2.408	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	53653	2.353	ppbv	97

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

Quant Time: May 30 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
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QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

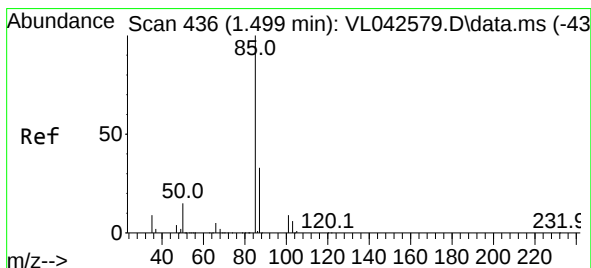
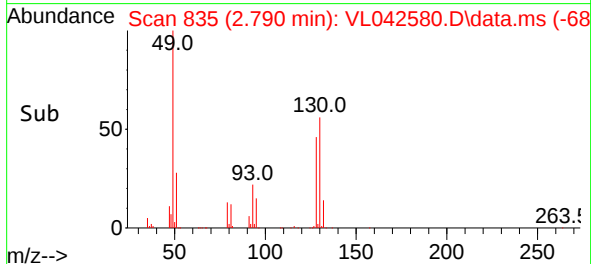
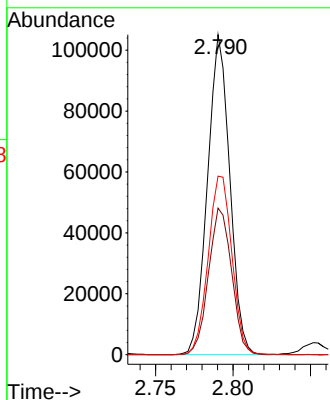
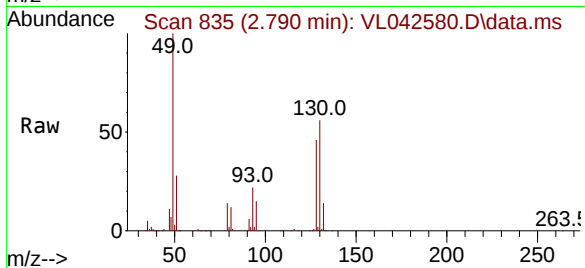




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

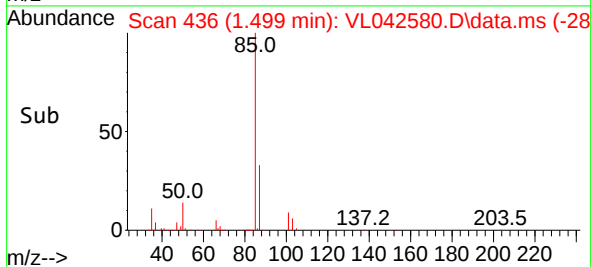
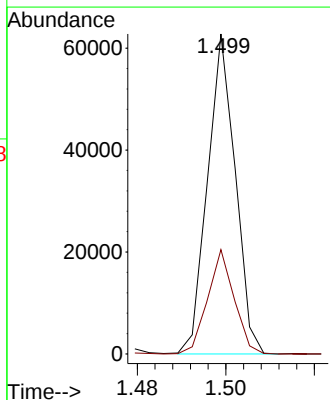
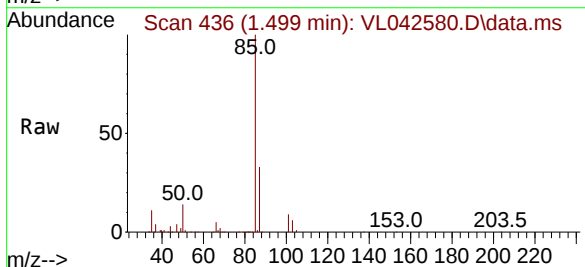
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

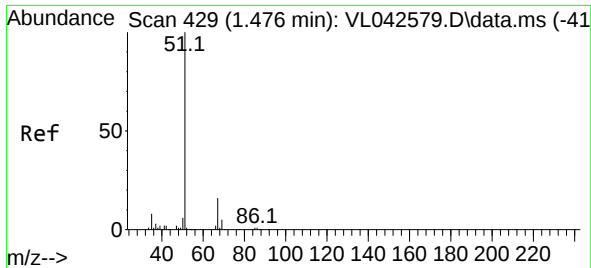
Tgt Ion: 49 Resp: 104930
Ion Ratio Lower Upper
49 100
128 47.6 24.2 72.6
130 59.6 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 2.115 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 85 Resp: 27278
Ion Ratio Lower Upper
85 100
87 32.6 26.6 39.8





#3

Chlorodifluoromethane

Concen: 2.157 ppbv

RT: 1.476 min Scan# 429

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

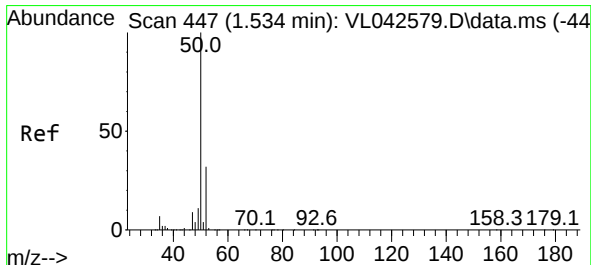
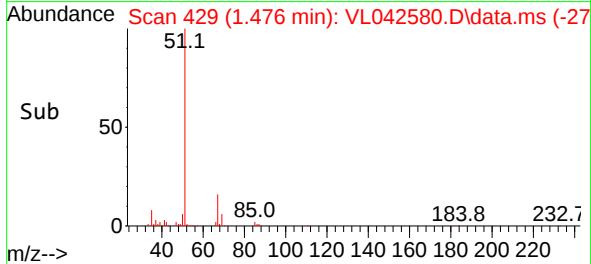
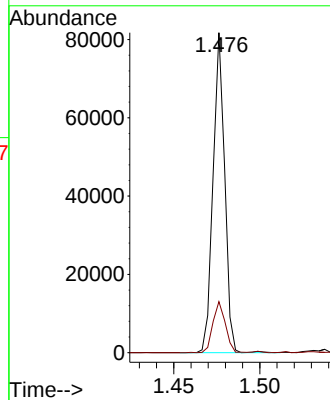
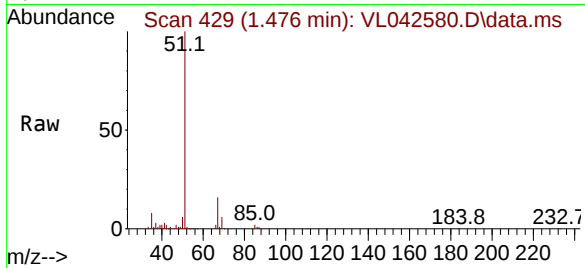
VSTDIC002

Tgt Ion: 51 Resp: 38320

Ion Ratio Lower Upper

51 100

67 17.5 13.4 20.2



#4

Chloromethane

Concen: 2.084 ppbv

RT: 1.534 min Scan# 447

Delta R.T. 0.000 min

Lab File: VL042580.D

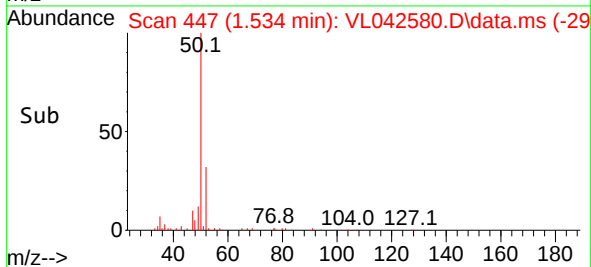
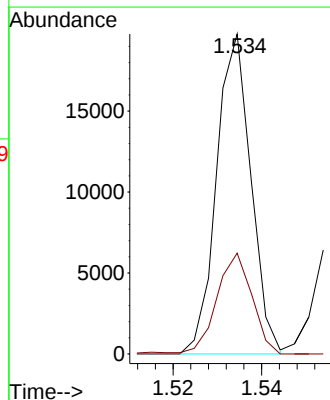
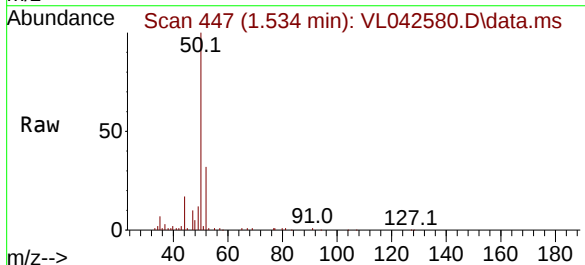
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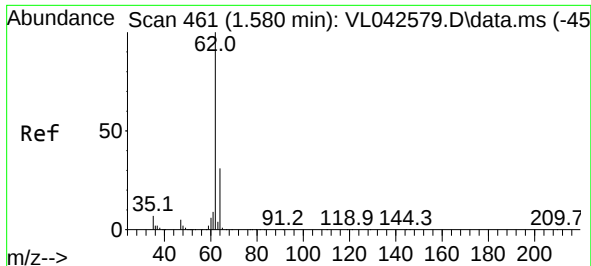
Tgt Ion: 50 Resp: 10641

Ion Ratio Lower Upper

50 100

52 31.1 25.8 38.6

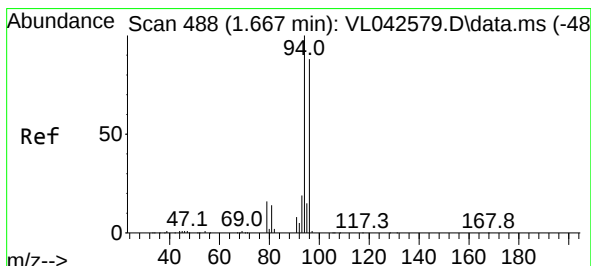
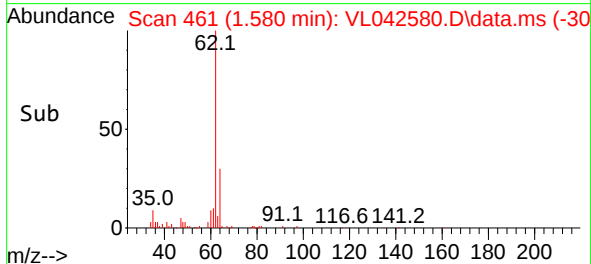
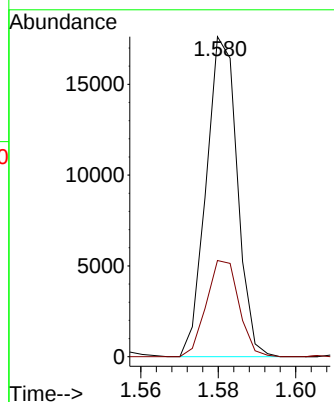
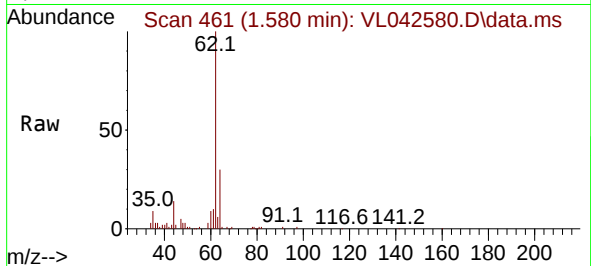




#5
 Vinyl Chloride
 Concen: 1.887 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

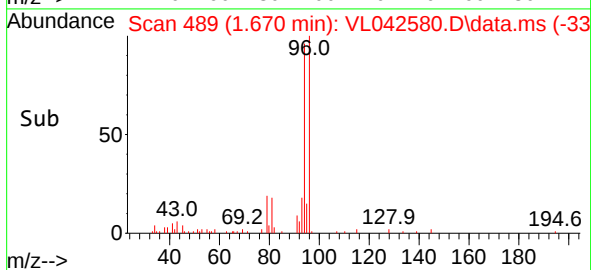
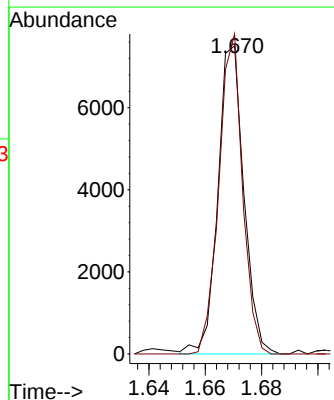
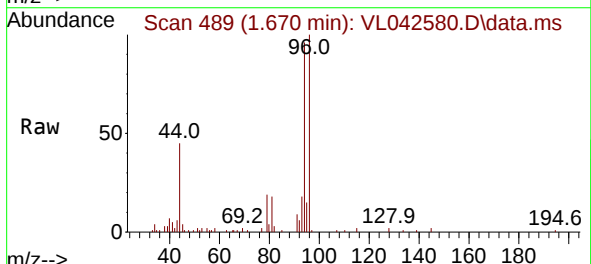
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

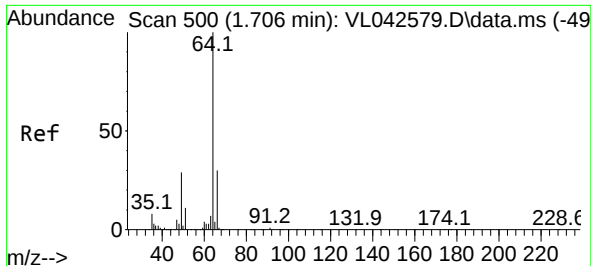
Tgt Ion: 62 Resp: 9819
 Ion Ratio Lower Upper
 62 100
 64 30.0 24.9 37.3



#6
 Bromomethane
 Concen: 1.903 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

Tgt Ion: 94 Resp: 4819
 Ion Ratio Lower Upper
 94 100
 96 103.8 70.7 106.1

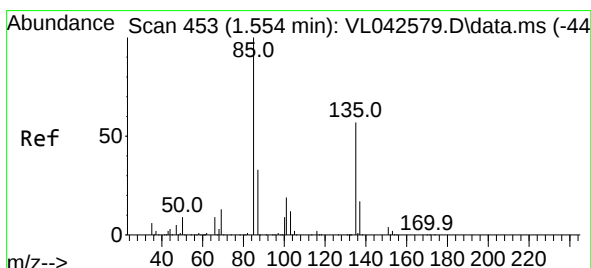
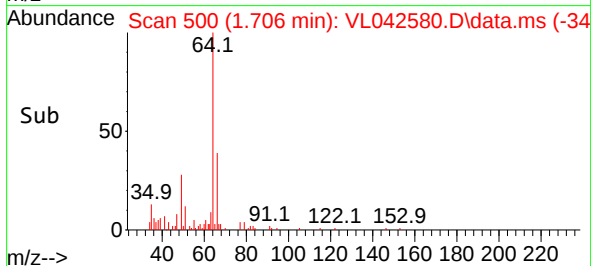
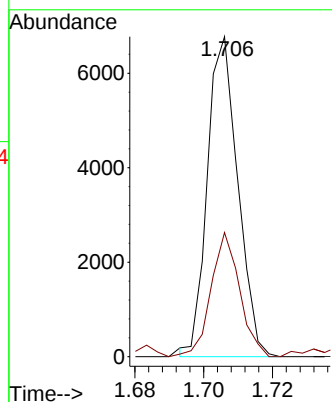
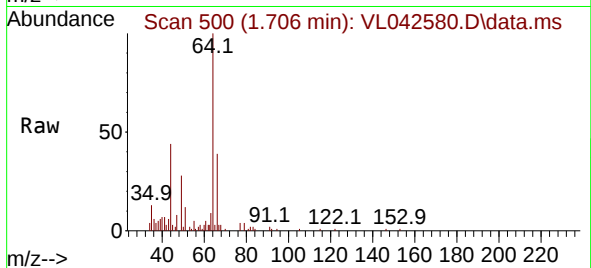




#7
Chloroethane
Concen: 2.059 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

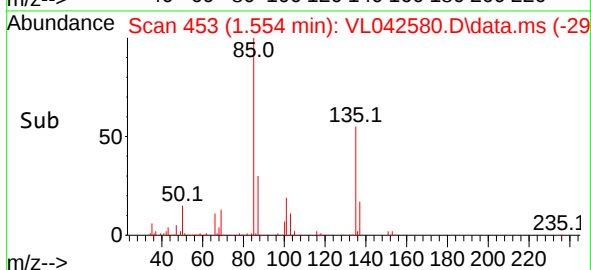
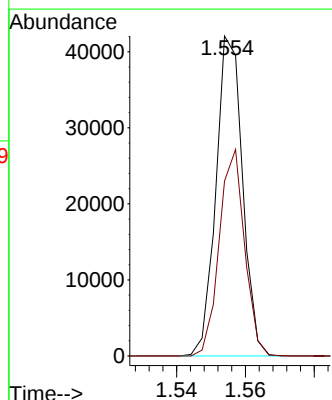
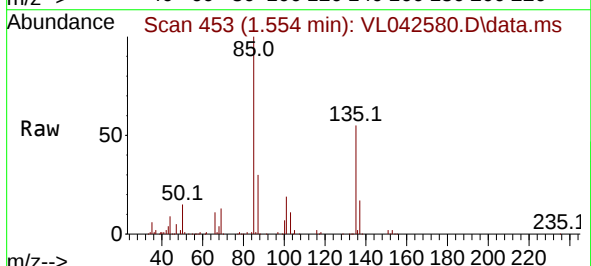
Instrument :
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ClientSampleId :
VSTDICC002

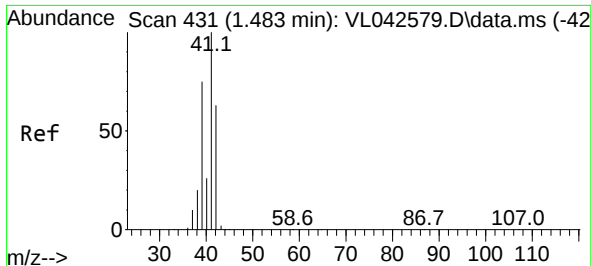
Tgt Ion: 64 Resp: 4162
Ion Ratio Lower Upper
64 100
66 38.8 24.3 36.5#



#8
Dichlorotetrafluoroethane
Concen: 2.100 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 85 Resp: 22568
Ion Ratio Lower Upper
85 100
135 61.5 50.2 75.4





#9

Propene

Concen: 2.119 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

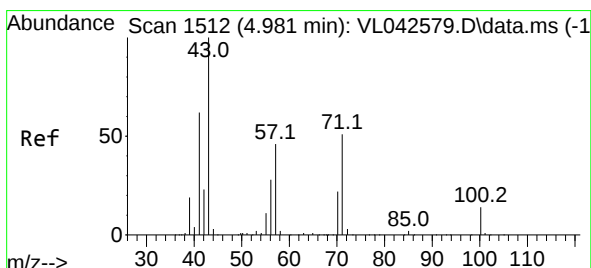
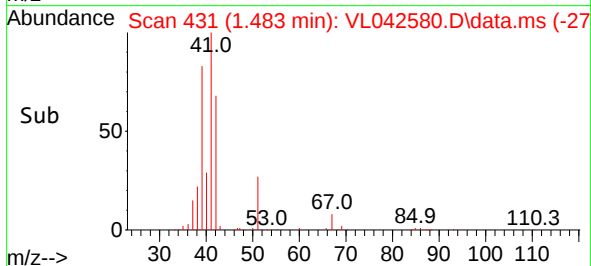
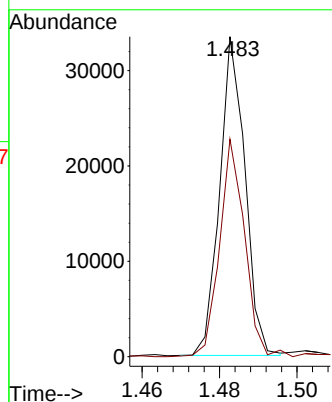
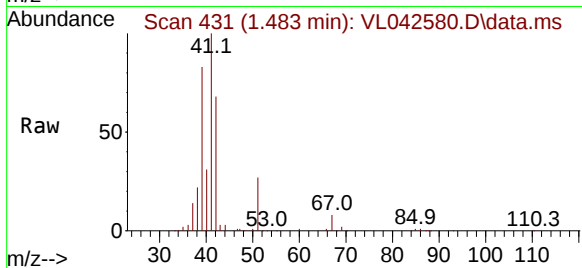
VSTDICC002

Tgt Ion: 41 Resp: 15155

Ion Ratio Lower Upper

41 100

42 69.5 53.3 79.9



#10

Heptane

Concen: 2.060 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.007 min

Lab File: VL042580.D

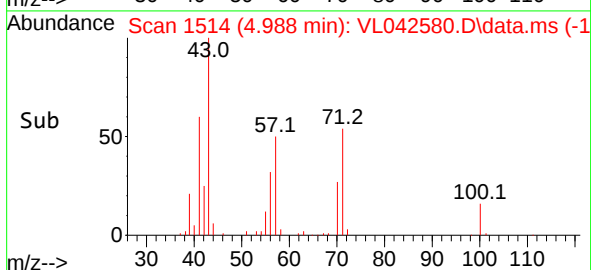
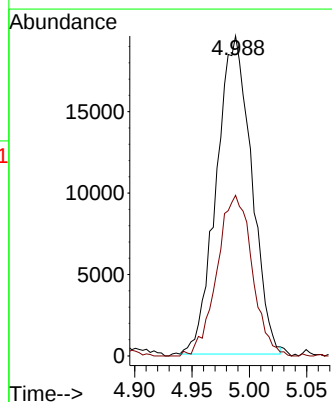
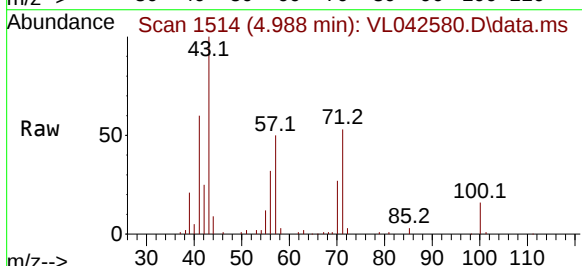
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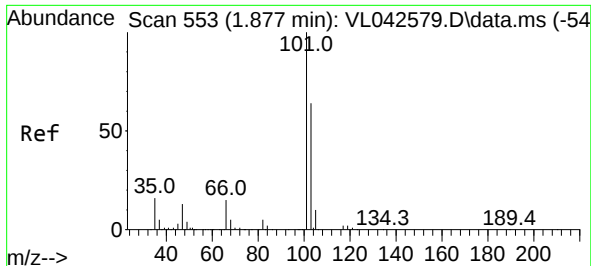
Tgt Ion: 43 Resp: 41577

Ion Ratio Lower Upper

43 100

57 50.7 38.9 58.3

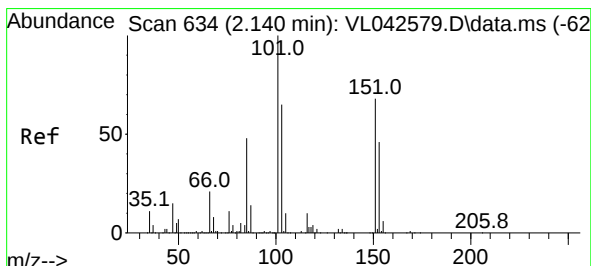
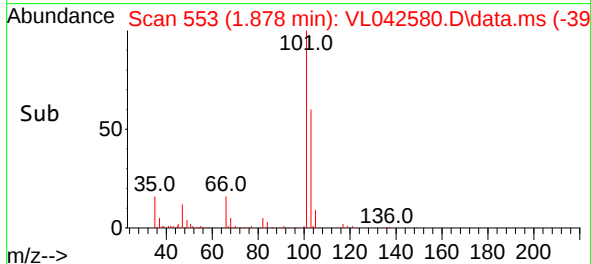
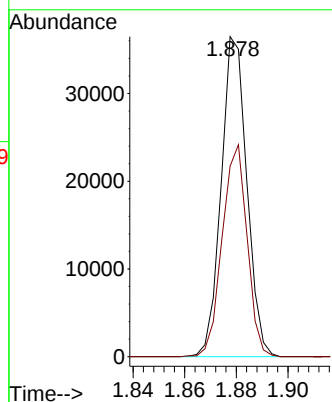
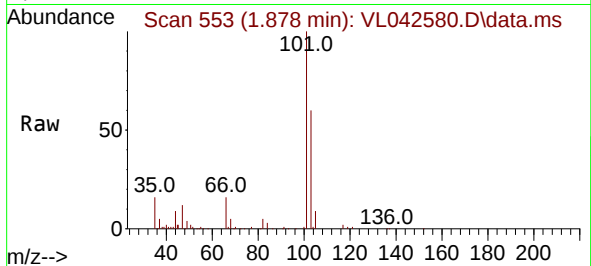




#11
 Trichlorofluoromethane
 Concen: 2.101 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

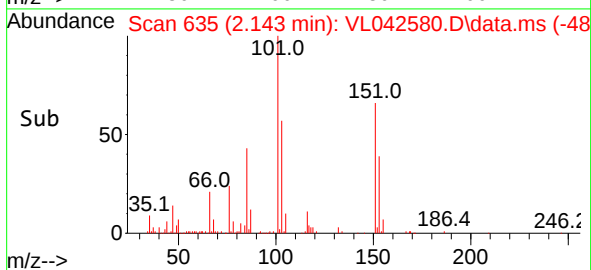
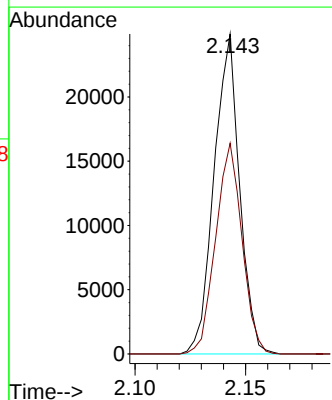
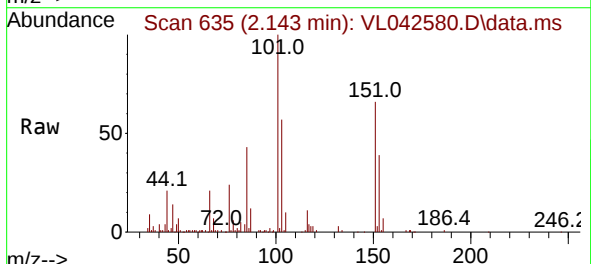
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

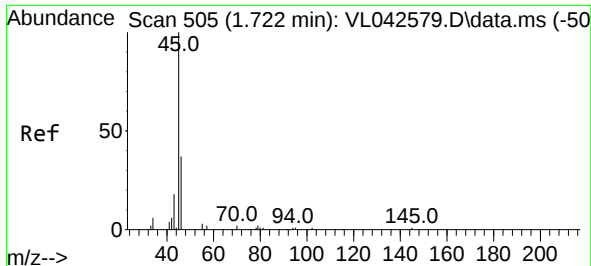
Tgt Ion:101 Resp: 25215
 Ion Ratio Lower Upper
 101 100
 103 59.5 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.119 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.003 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

Tgt Ion:101 Resp: 19963
 Ion Ratio Lower Upper
 101 100
 151 68.0 55.3 82.9

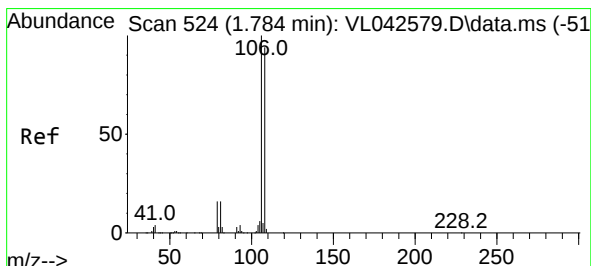
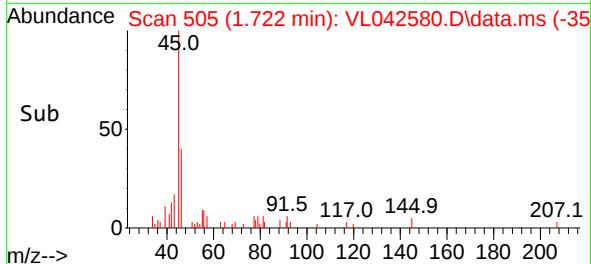
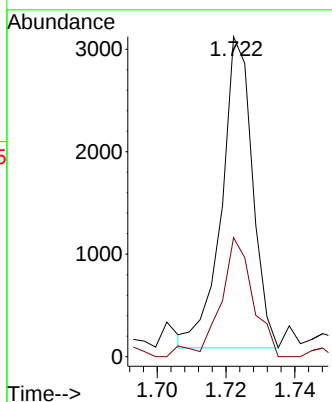
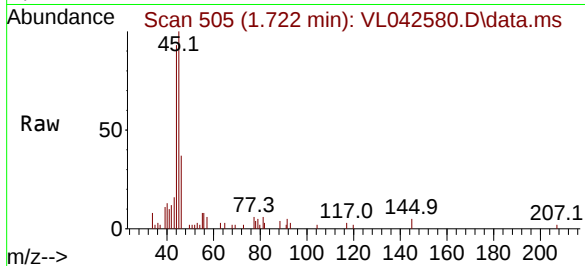




#13
Ethanol
Concen: 2.370 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

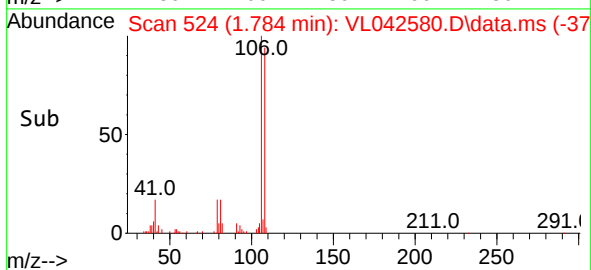
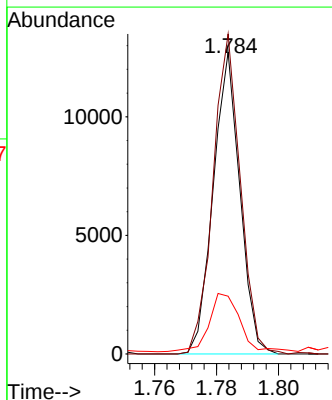
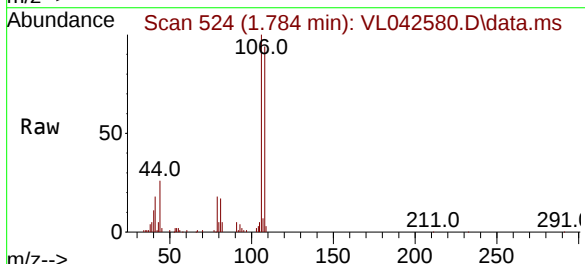
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

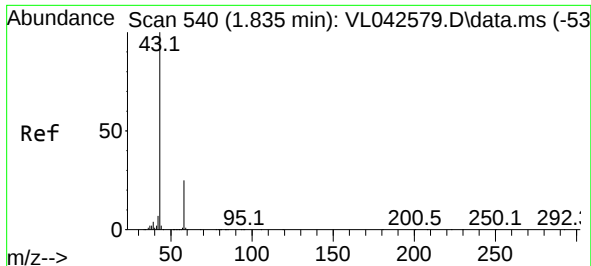
Tgt Ion: 45 Resp: 1892
Ion Ratio Lower Upper
45 100
46 45.6 14.5 58.1



#14
Bromoethene
Concen: 2.146 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 108 Resp: 7607
Ion Ratio Lower Upper
108 100
106 108.4 87.9 131.9
79 34.7 15.6 23.4

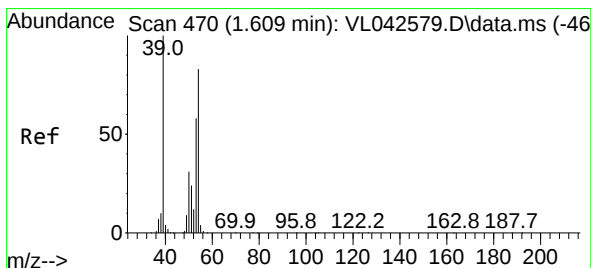
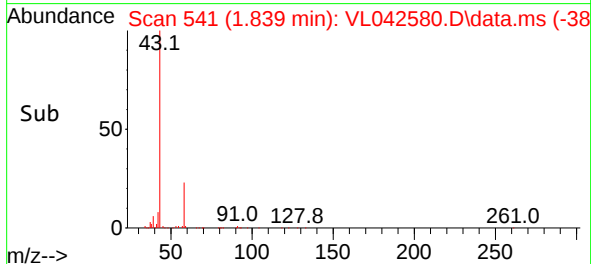
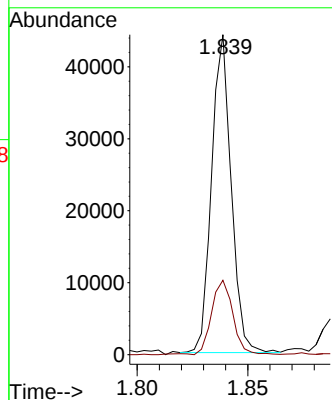
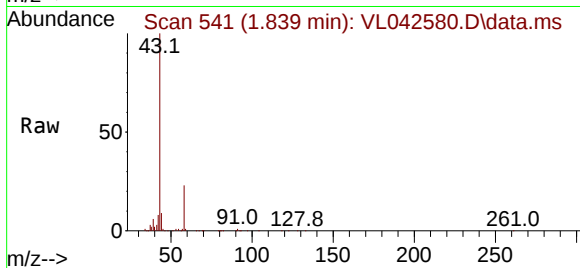




#15
Acetone
Concen: 2.156 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

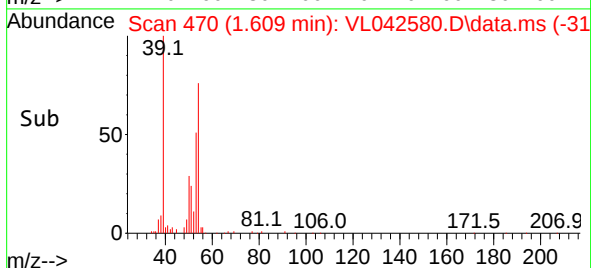
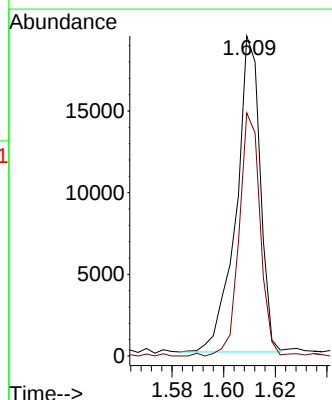
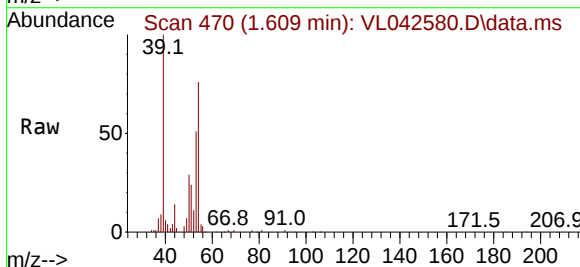
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

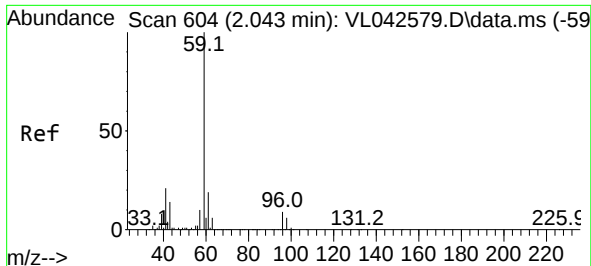
Tgt Ion: 43 Resp: 27254
Ion Ratio Lower Upper
43 100
58 26.2 21.0 31.4



#16
1,3-Butadiene
Concen: 2.092 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 39 Resp: 12523
Ion Ratio Lower Upper
39 100
54 68.6 57.9 86.9





#17

tert-Butyl alcohol

Concen: 2.039 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

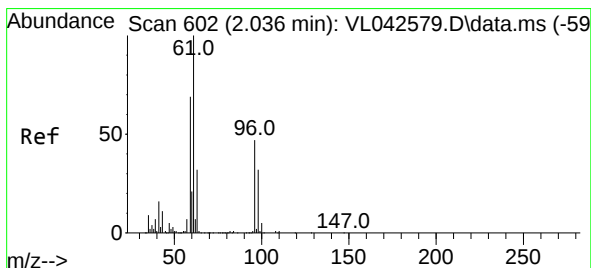
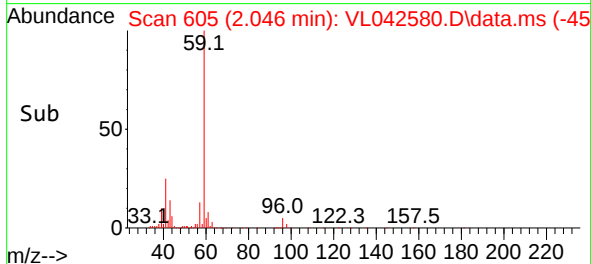
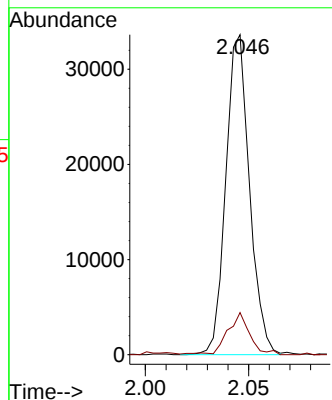
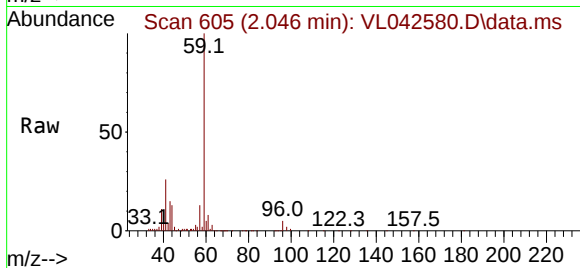
VSTDIC002

Tgt Ion: 59 Resp: 26842

Ion Ratio Lower Upper

59 100

57 12.4 8.6 12.8



#18

1,1-Dichloroethene

Concen: 2.094 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

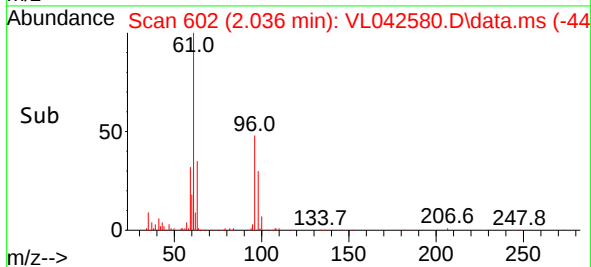
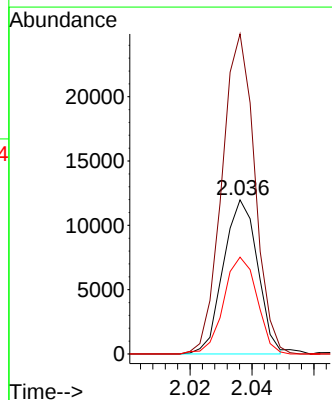
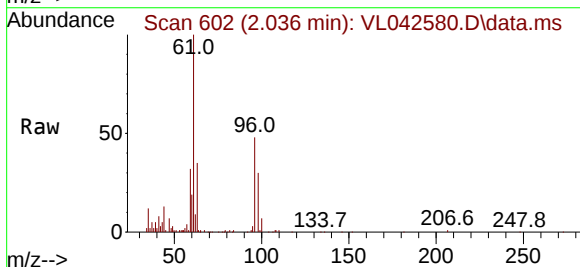
Tgt Ion: 96 Resp: 9179

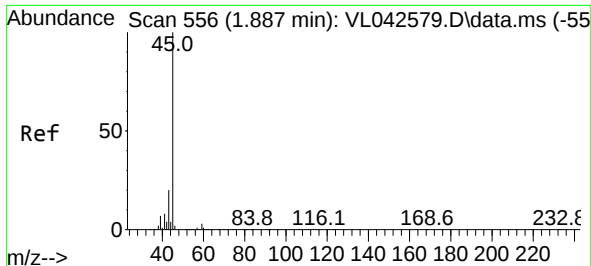
Ion Ratio Lower Upper

96 100

61 207.6 171.1 256.7

98 62.8 54.4 81.6

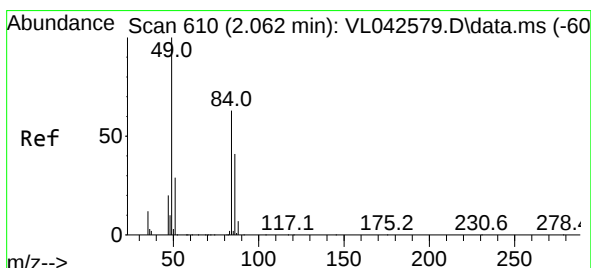
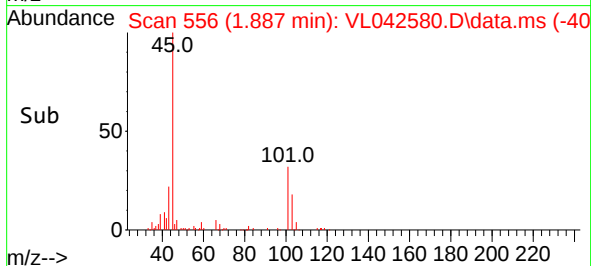
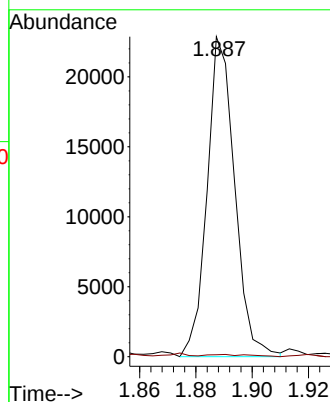
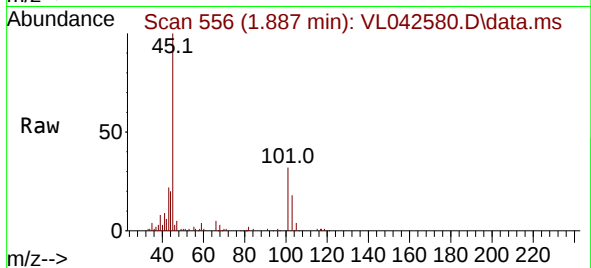




#19
Isopropyl Alcohol
Concen: 2.060 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

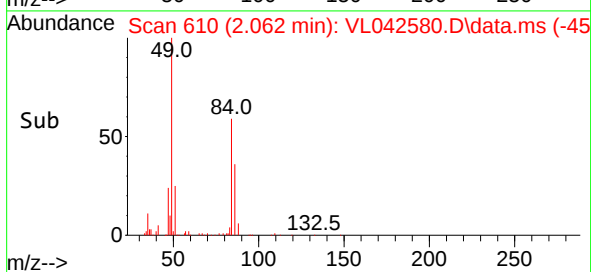
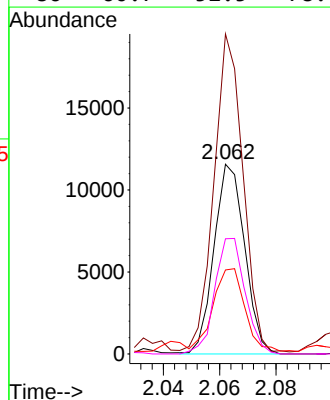
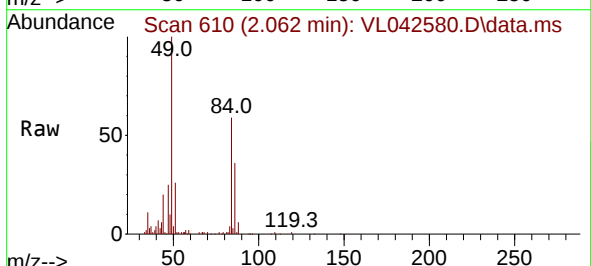
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

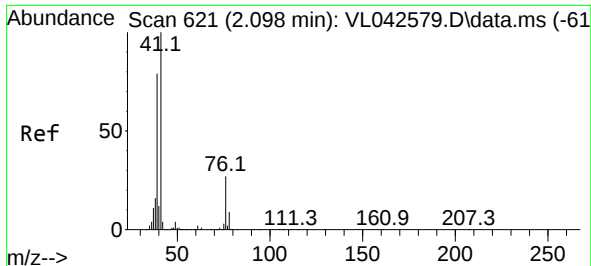
Tgt Ion: 45 Resp: 15567
Ion Ratio Lower Upper
45 100
58 2.7 29.4 44.2#



#20
Methylene Chloride
Concen: 2.101 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 84 Resp: 8763
Ion Ratio Lower Upper
84 100
49 166.9 128.8 193.2
51 42.8 38.6 57.8
86 60.7 52.5 78.7

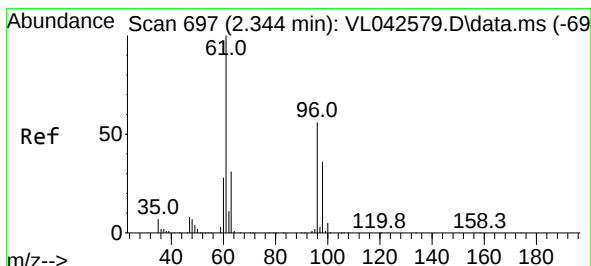
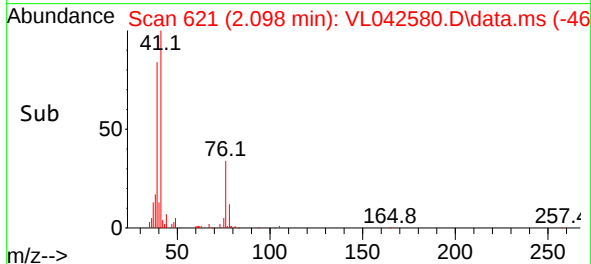
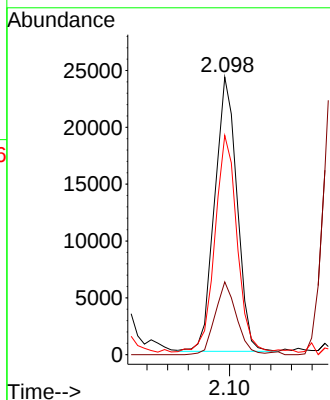
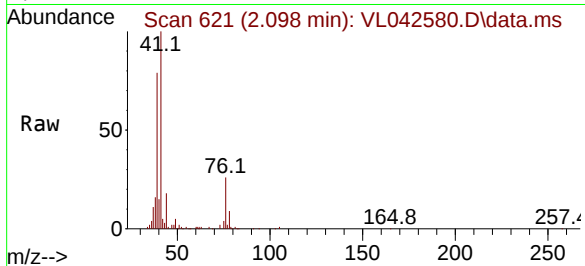




#21
 Allyl Chloride
 Concen: 2.038 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

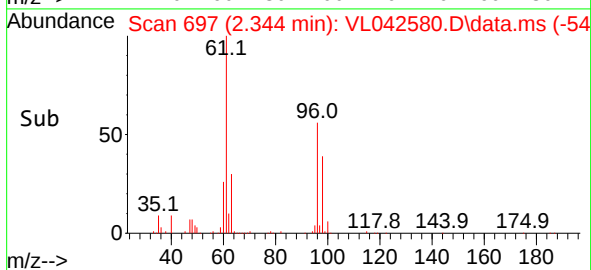
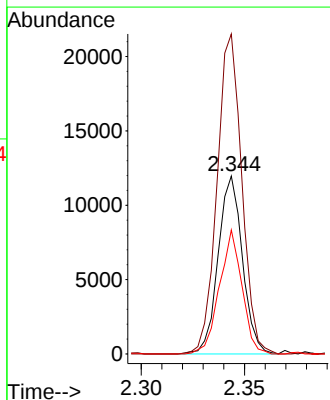
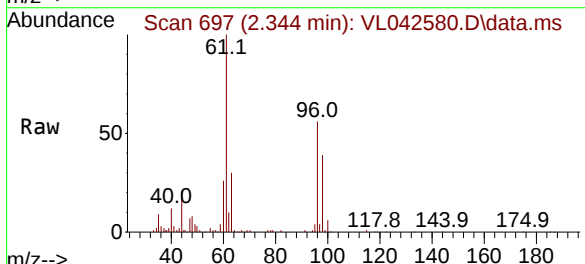
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

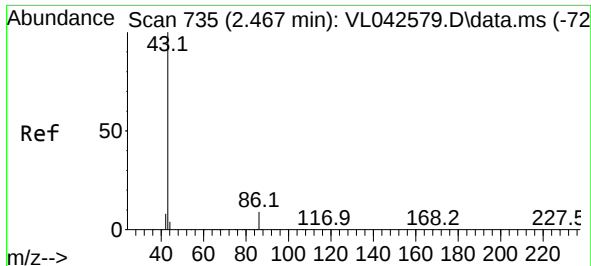
Tgt Ion: 41 Resp: 18178
 Ion Ratio Lower Upper
 41 100
 76 25.3 21.2 31.8
 39 85.4 60.9 91.3



#22
 trans-1,2-Dichloroethene
 Concen: 1.998 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

Tgt Ion: 96 Resp: 9775
 Ion Ratio Lower Upper
 96 100
 61 179.9 142.6 214.0
 98 69.7 51.0 76.4

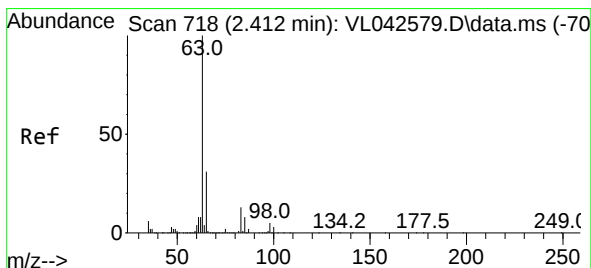
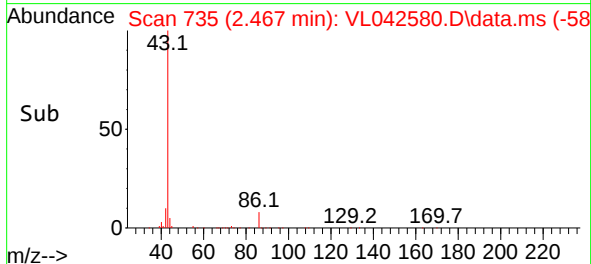
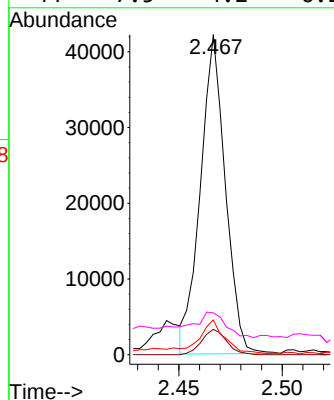
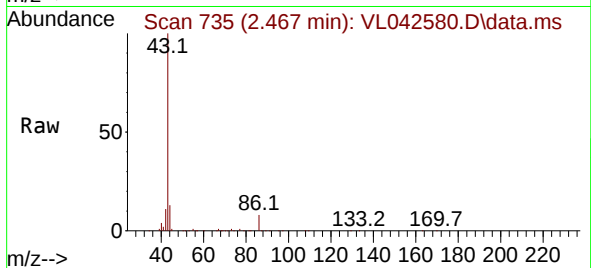




#23
 Vinyl Acetate
 Concen: 2.070 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

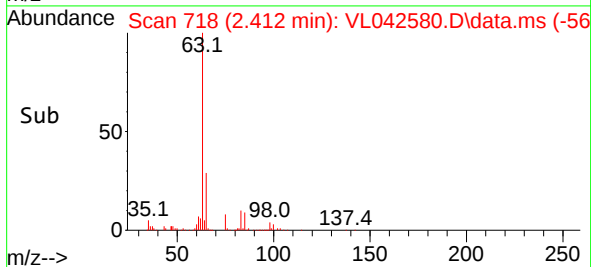
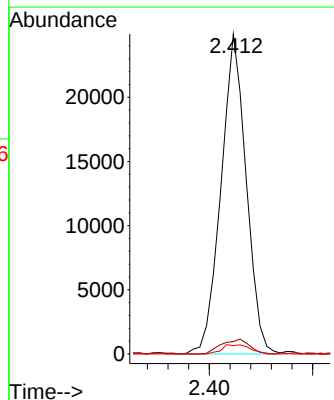
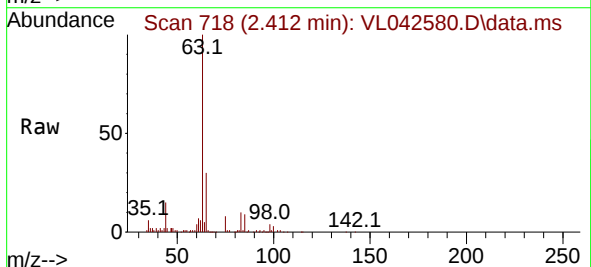
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

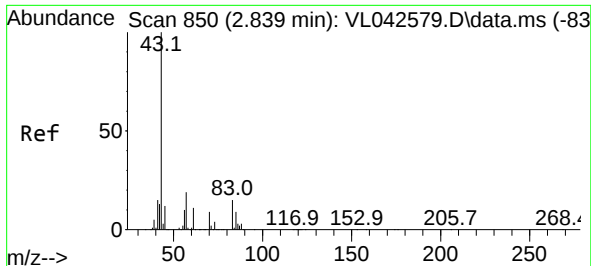
Tgt Ion:	43	Resp:	35373
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.6	9.8
42	10.5	7.0	10.4#
44	7.5	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 2.100 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

Tgt Ion:	63	Resp:	21077
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.1
100	2.6	1.4	4.0





#25

Ethyl Acetate

Concen: 2.070 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 71613

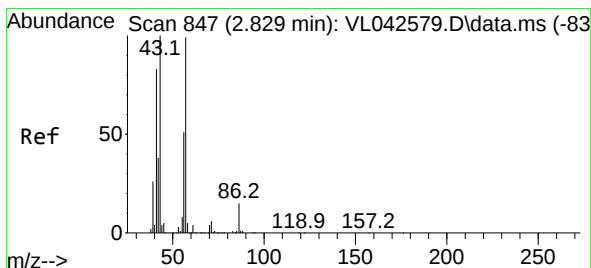
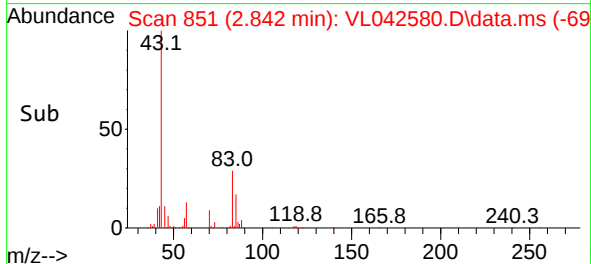
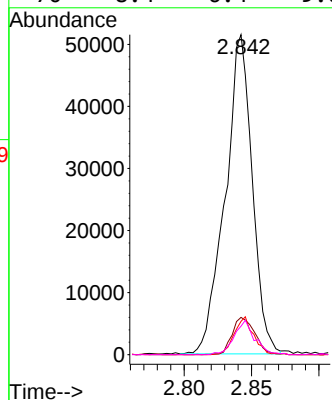
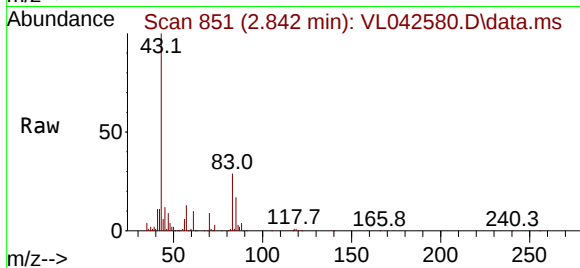
Ion Ratio Lower Upper

43 100

45 9.9 8.2 12.2

61 8.6 7.1 10.7

70 8.4 6.4 9.6



#26

Hexane

Concen: 2.037 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Tgt Ion: 57 Resp: 32018

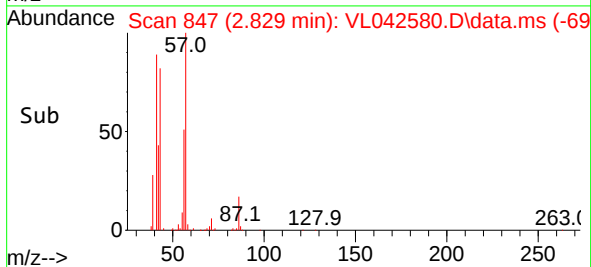
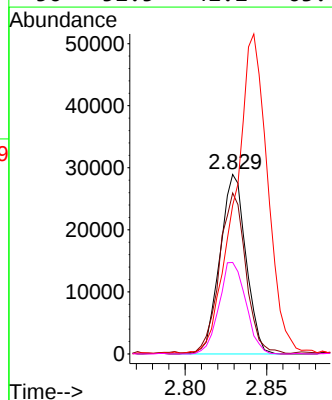
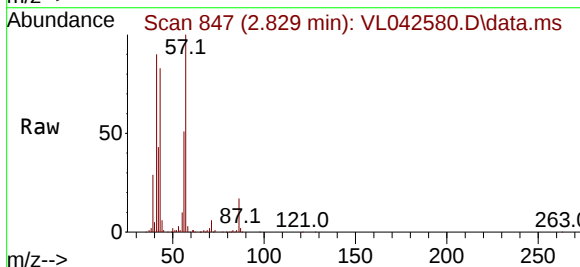
Ion Ratio Lower Upper

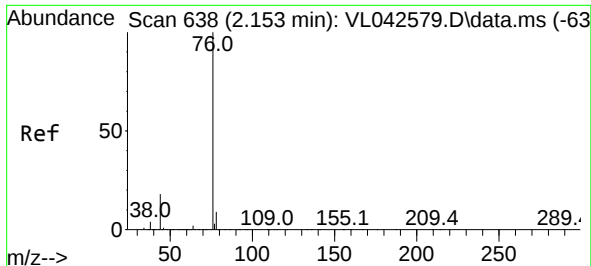
57 100

41 95.0 70.6 106.0

43 228.7 181.1 271.7

56 52.5 42.2 63.4

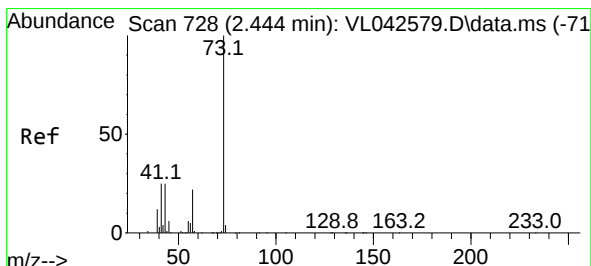
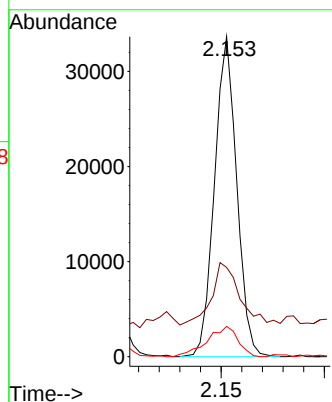
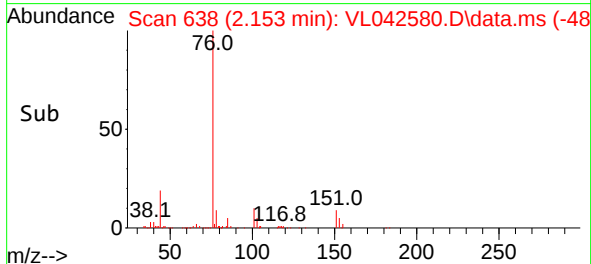
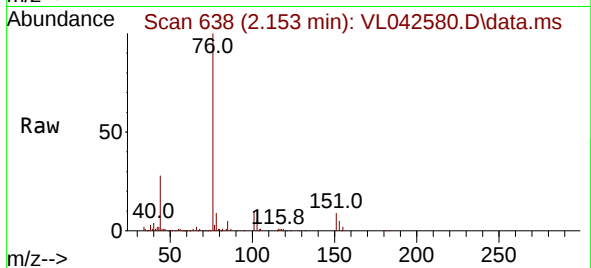




#27
Carbon Disulfide
Concen: 2.084 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

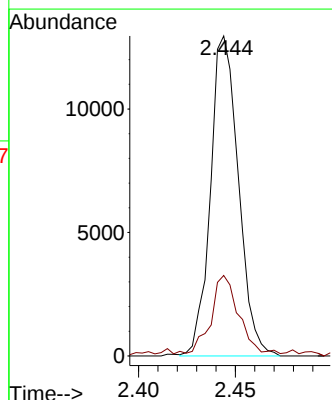
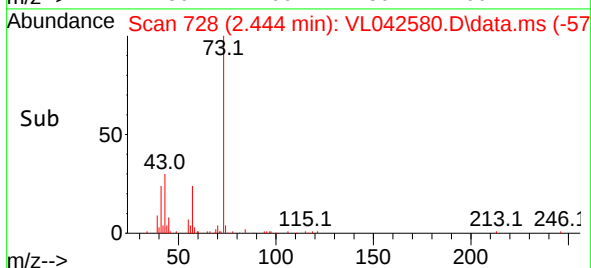
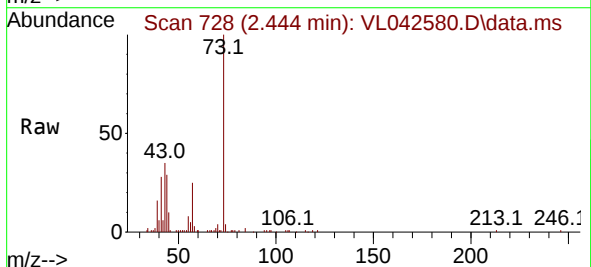
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

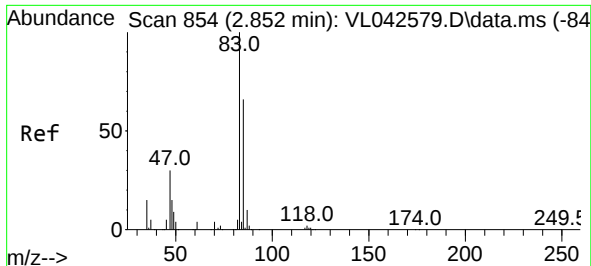
Tgt Ion: 76 Resp: 25143
Ion Ratio Lower Upper
76 100
44 53.4 21.3 31.9#
78 13.6 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 2.044 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 73 Resp: 13034
Ion Ratio Lower Upper
73 100
57 30.2 19.9 29.9#





#29

Chloroform

Concen: 2.089 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

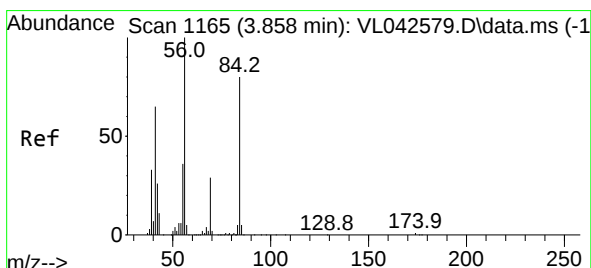
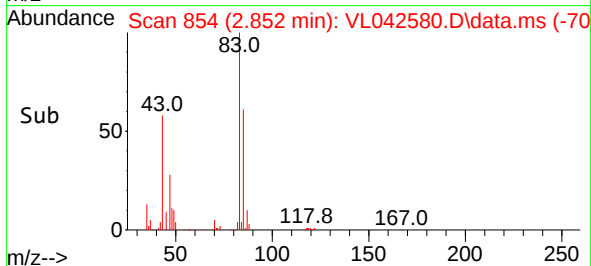
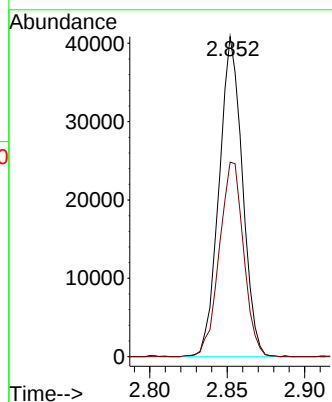
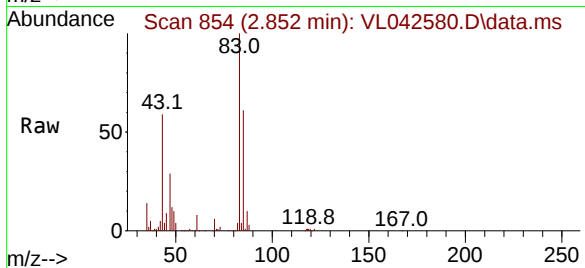
VSTDIC002

Tgt Ion: 83 Resp: 42693

Ion Ratio Lower Upper

83 100

85 60.8 52.8 79.2



#30

Cyclohexane

Concen: 2.075 ppbv

RT: 3.858 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

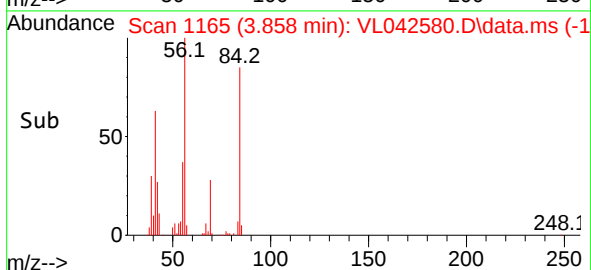
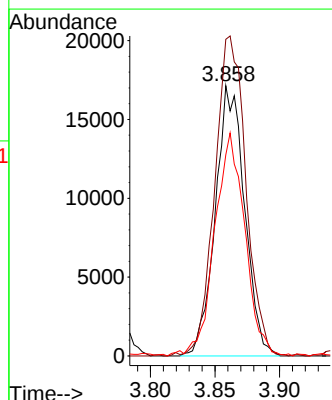
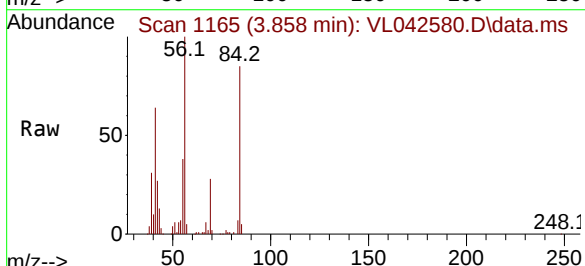
Tgt Ion: 84 Resp: 27030

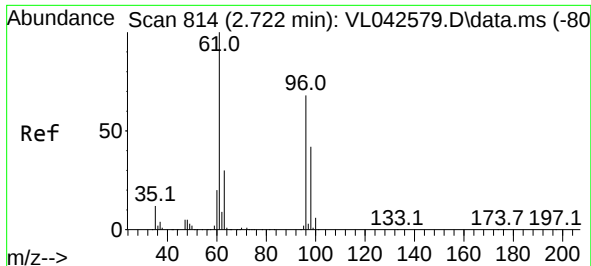
Ion Ratio Lower Upper

84 100

56 126.0 103.7 155.5

41 85.5 65.1 97.7

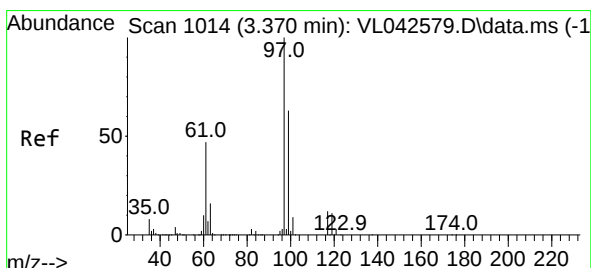
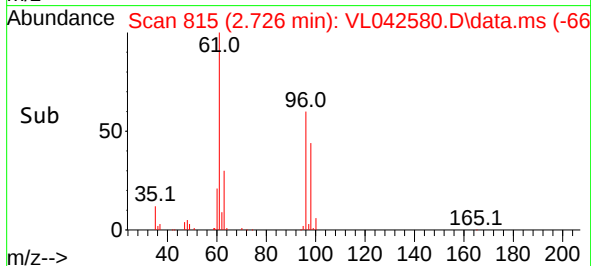
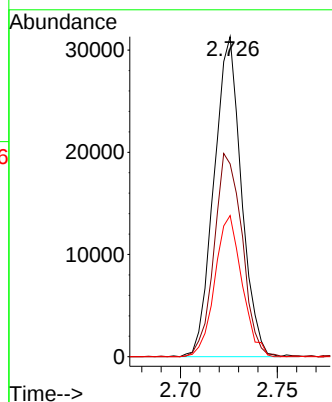
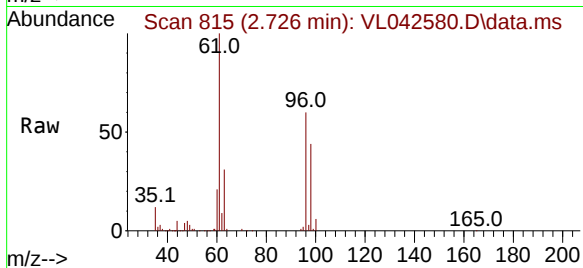




#31
 cis-1,2-Dichloroethene
 Concen: 2.138 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

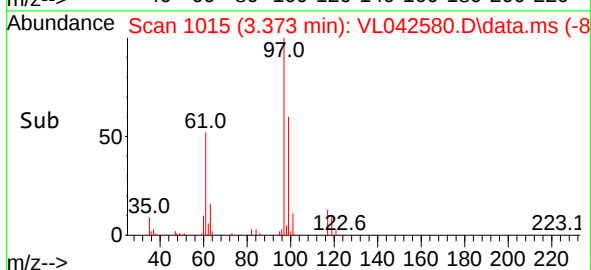
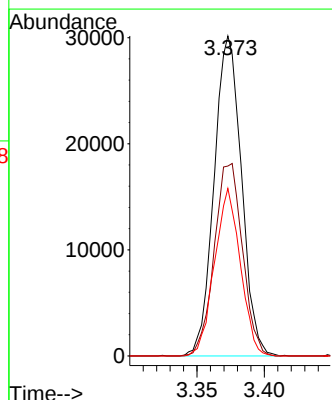
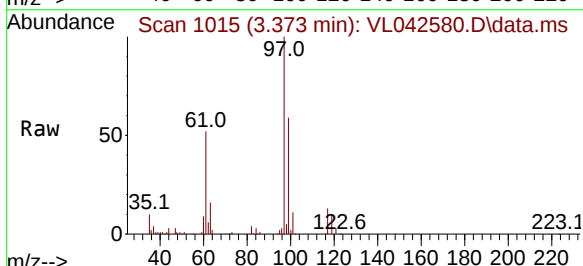
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

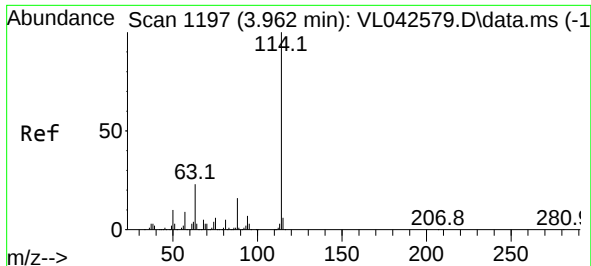
Tgt Ion: 61 Resp: 30737
 Ion Ratio Lower Upper
 61 100
 96 60.3 54.5 81.7
 98 44.1 33.4 50.2



#32
 1,1,1-Trichloroethane
 Concen: 2.077 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.003 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

Tgt Ion: 97 Resp: 42588
 Ion Ratio Lower Upper
 97 100
 99 62.2 51.0 76.6
 61 49.5 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

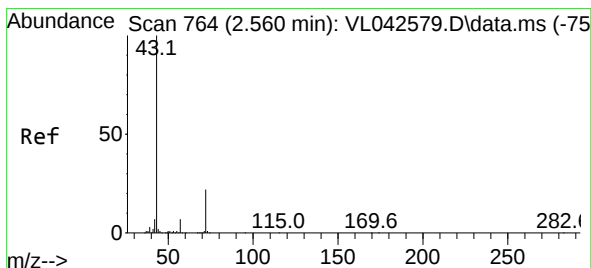
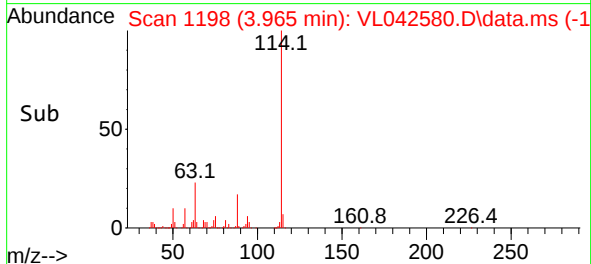
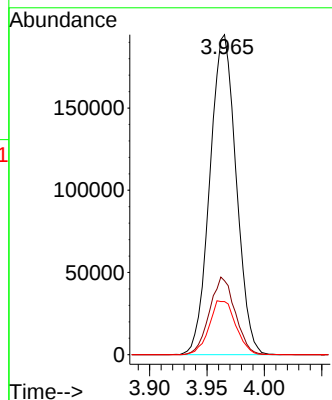
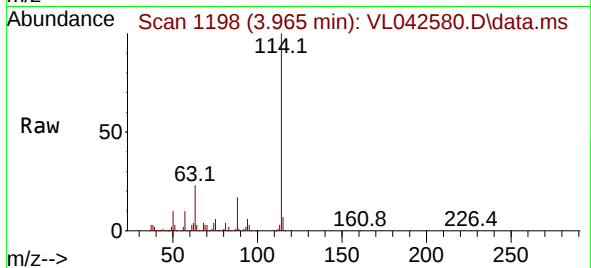
Tgt Ion:114 Resp: 310090

Ion Ratio Lower Upper

114 100

63 23.7 19.0 28.6

88 17.1 13.6 20.4



#34

2-Butanone

Concen: 2.093 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042580.D

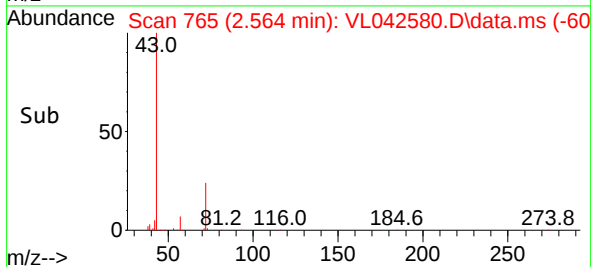
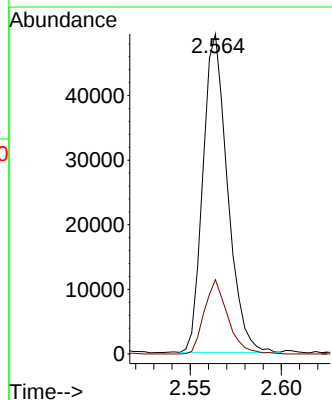
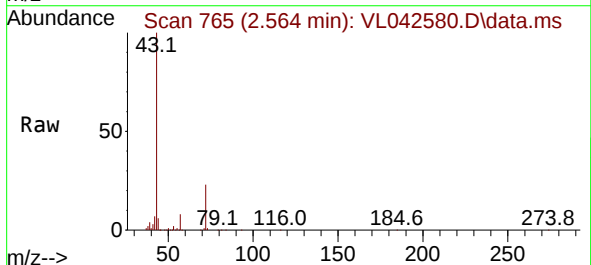
Acq: 29 May 2025 11:43

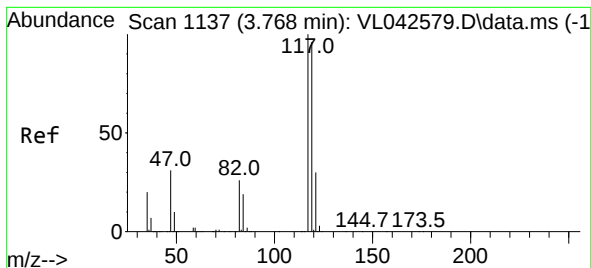
Tgt Ion: 43 Resp: 46279

Ion Ratio Lower Upper

43 100

72 22.3 17.7 26.5





#35

Carbon Tetrachloride

Concen: 2.029 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

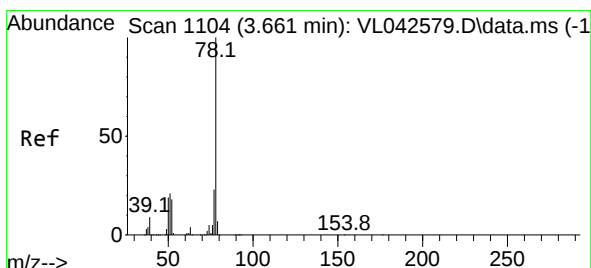
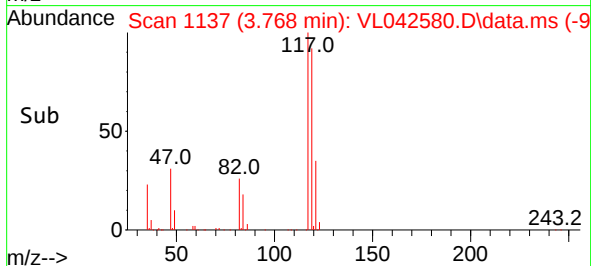
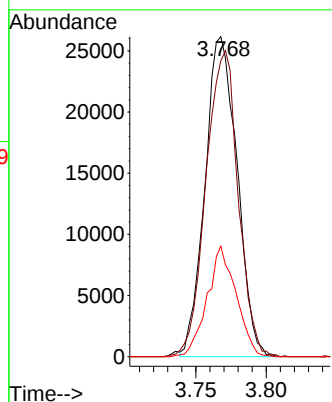
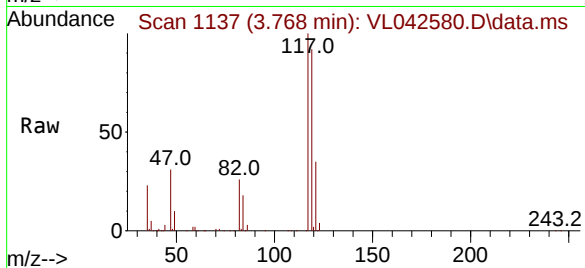
Tgt Ion:117 Resp: 41545

Ion Ratio Lower Upper

117 100

119 92.4 76.8 115.2

121 34.6 24.3 36.5



#36

Benzene

Concen: 2.086 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

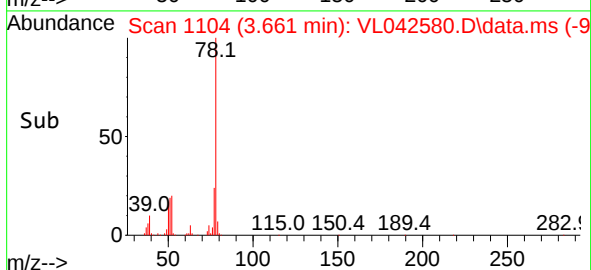
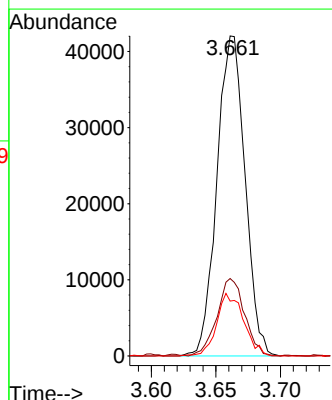
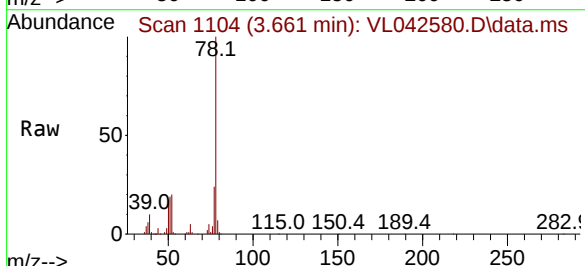
Tgt Ion: 78 Resp: 63709

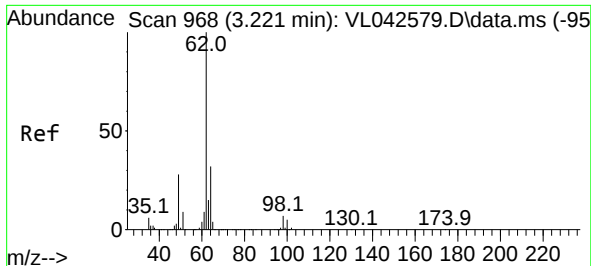
Ion Ratio Lower Upper

78 100

77 24.2 18.2 27.2

50 17.2 15.2 22.8

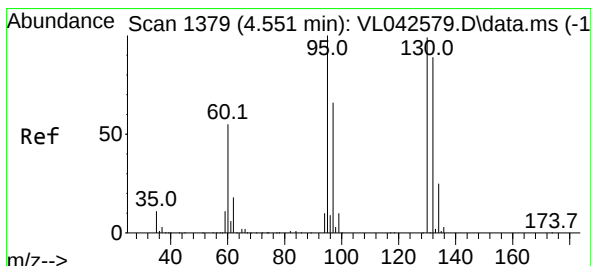
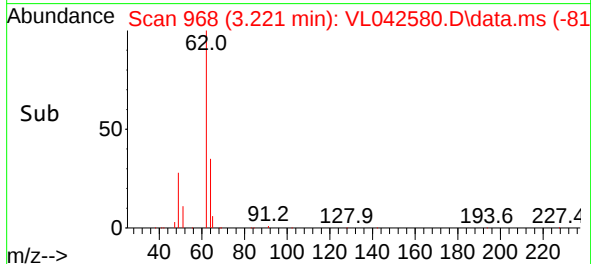
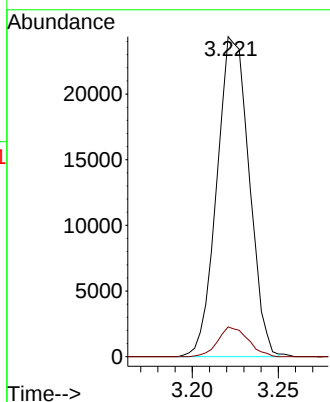
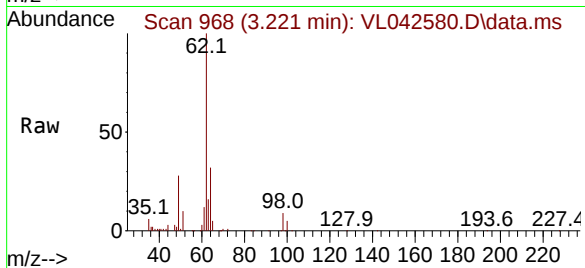




#37
1,2-Dichloroethane
Concen: 2.097 ppbv
RT: 3.221 min Scan# 968
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

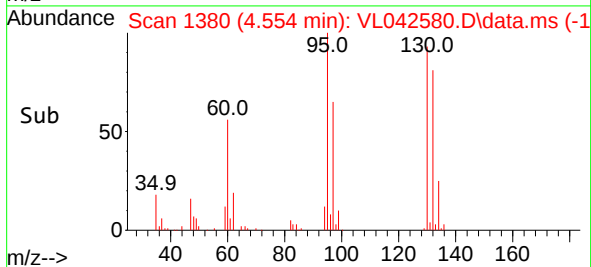
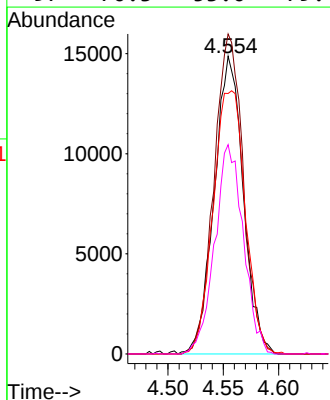
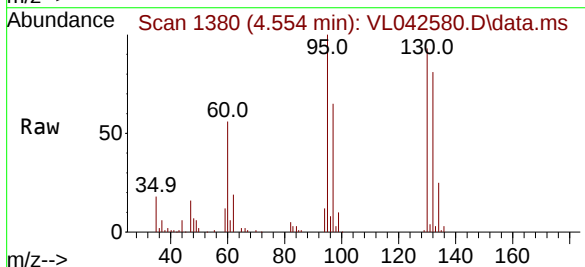
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

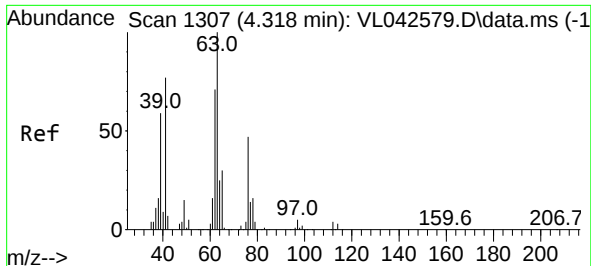
Tgt Ion: 62 Resp: 31831
Ion Ratio Lower Upper
62 100
98 8.7 6.1 9.1



#38
Trichloroethene
Concen: 2.075 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:130 Resp: 27139
Ion Ratio Lower Upper
130 100
95 107.5 80.6 121.0
132 87.5 71.8 107.6
97 70.3 53.0 79.4





#39

1,2-Dichloropropane

Concen: 2.050 ppbv

RT: 4.321 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

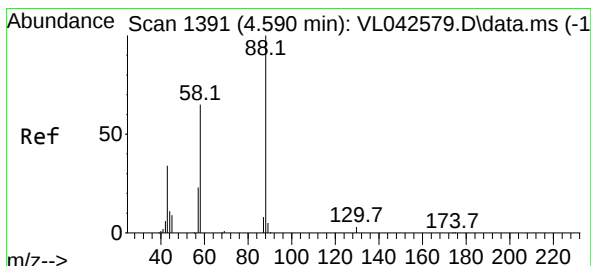
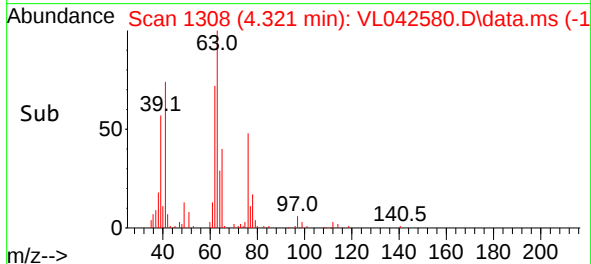
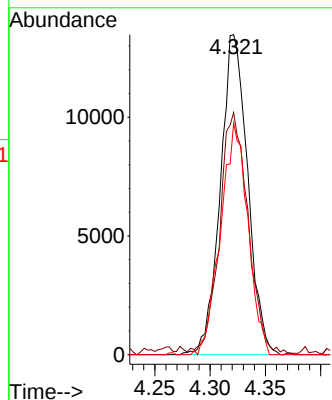
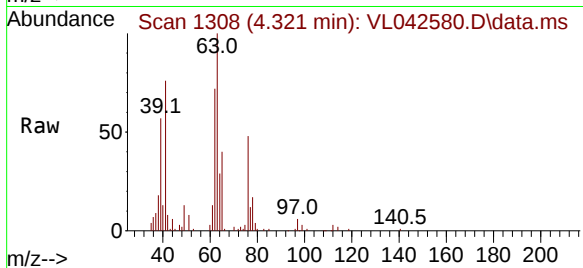
Tgt Ion: 63 Resp: 23145

Ion Ratio Lower Upper

63 100

41 74.8 61.8 92.6

62 72.4 56.6 85.0



#40

1,4-Dioxane

Concen: 0.819 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. 0.007 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Tgt Ion: 88 Resp: 3930

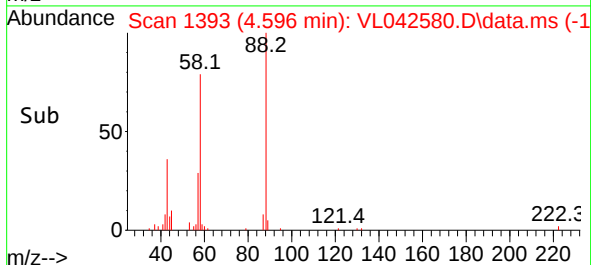
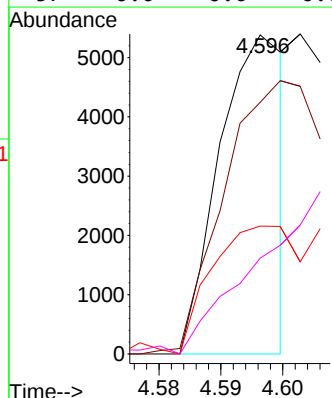
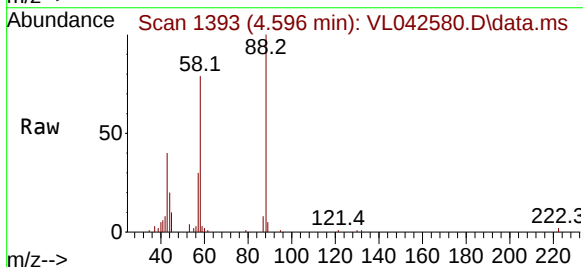
Ion Ratio Lower Upper

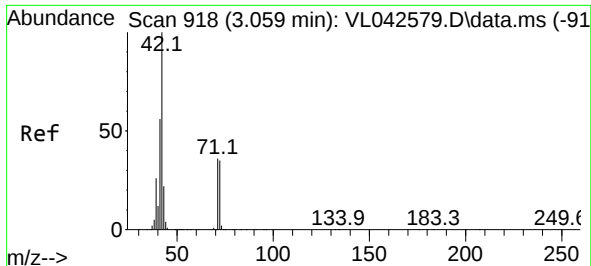
88 100

58 348.0 55.8 83.8#

43 0.0 24.8 37.2#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 2.039 ppbv

RT: 3.062 min Scan# 918

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

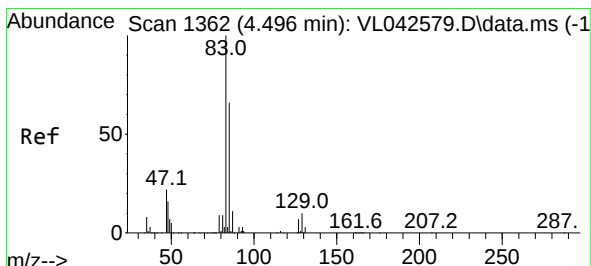
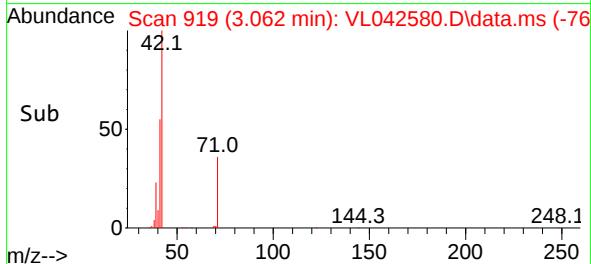
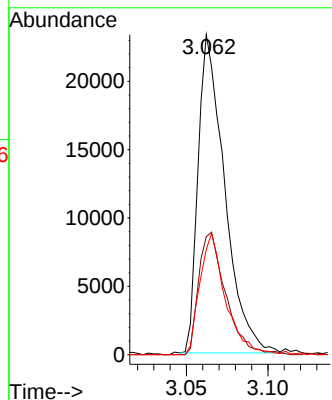
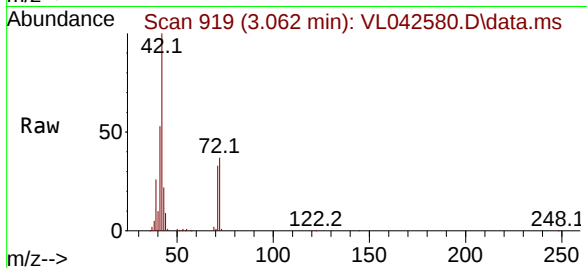
Tgt Ion: 42 Resp: 26391

Ion Ratio Lower Upper

42 100

72 39.2 28.9 43.3

71 37.1 28.5 42.7



#42

Bromodichloromethane

Concen: 2.074 ppbv

RT: 4.496 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

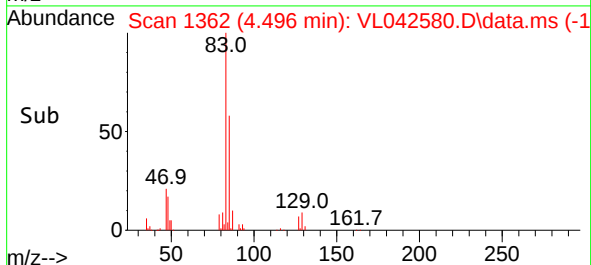
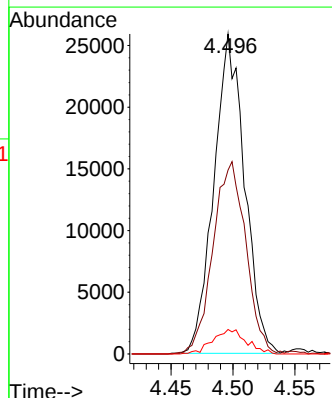
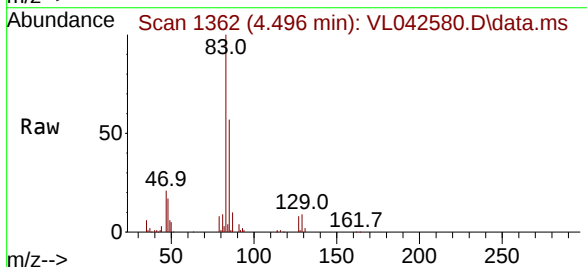
Tgt Ion: 83 Resp: 44705

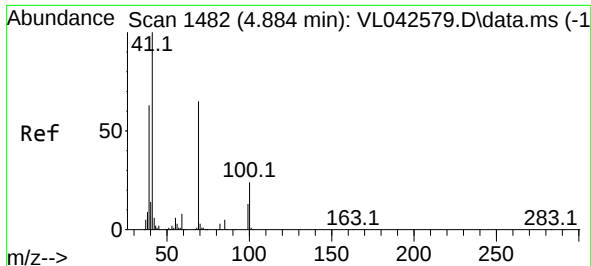
Ion Ratio Lower Upper

83 100

85 57.1 52.7 79.1

127 7.7 5.8 8.6

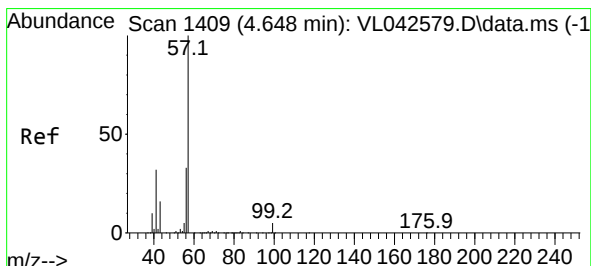
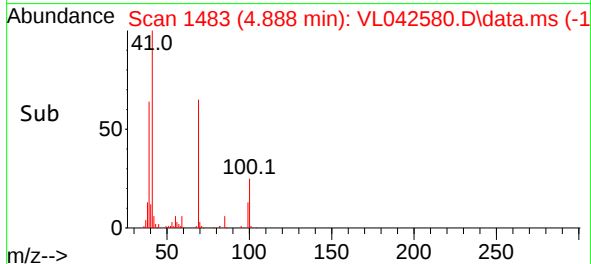
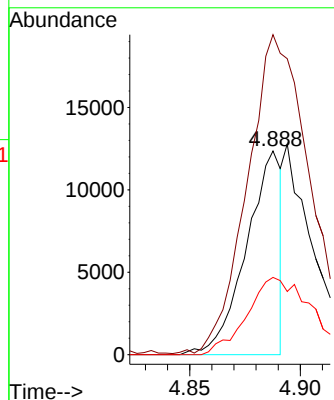
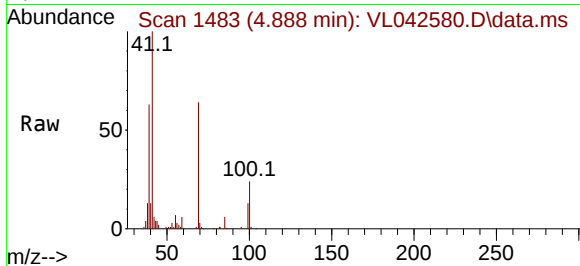




#43
Methyl Methacrylate
Concen: 1.148 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

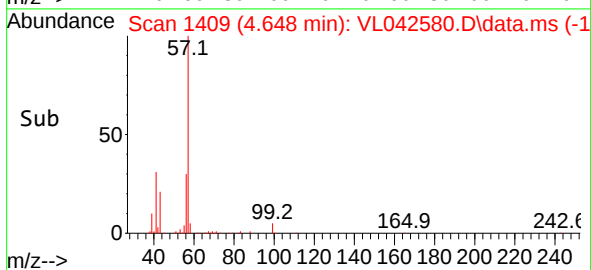
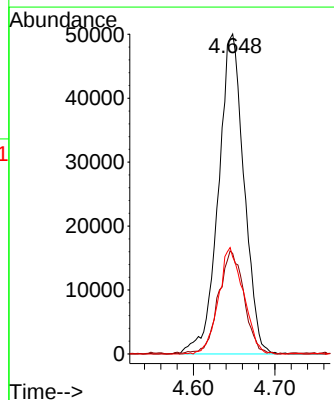
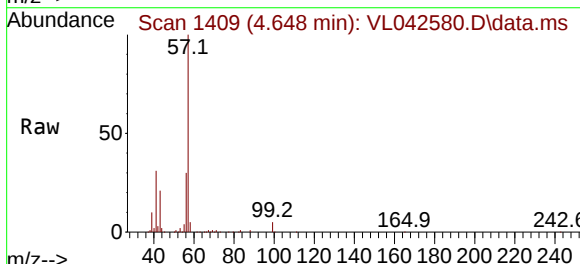
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

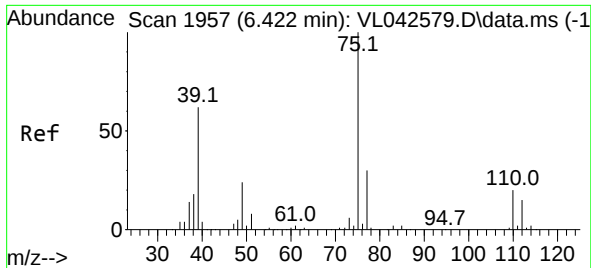
Tgt Ion: 69 Resp: 13583
Ion Ratio Lower Upper
69 100
41 283.6 124.6 187.0#
100 69.7 29.9 44.9#



#44
2,2,4-Trimethylpentane
Concen: 2.097 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 57 Resp: 109446
Ion Ratio Lower Upper
57 100
41 32.7 26.1 39.1
56 32.4 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 1.281 ppbv

RT: 6.425 min Scan# 1957

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

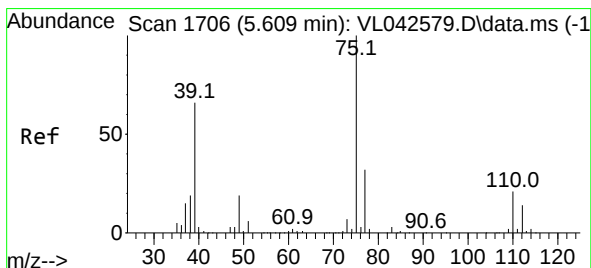
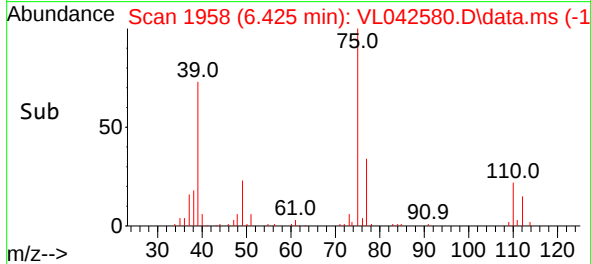
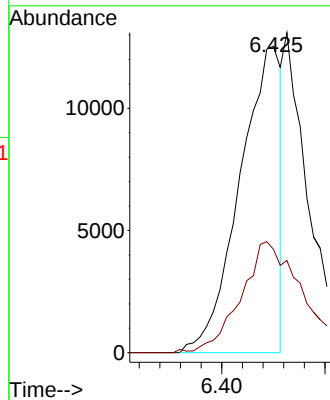
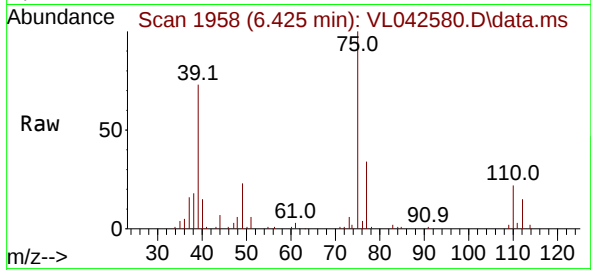
VSTDIC002

Tgt Ion: 75 Resp: 17372

Ion Ratio Lower Upper

75 100

77 33.7 24.2 36.2



#46

cis-1,3-Dichloropropene

Concen: 2.027 ppbv

RT: 5.613 min Scan# 1707

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

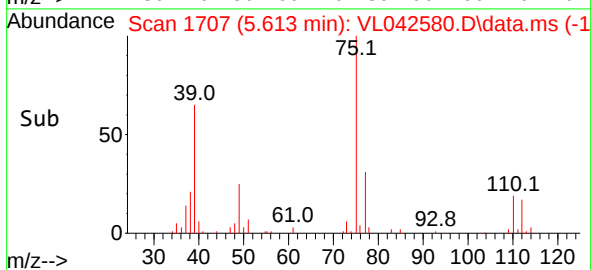
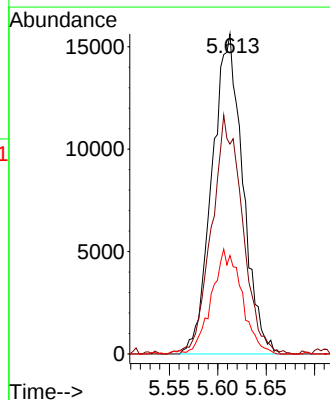
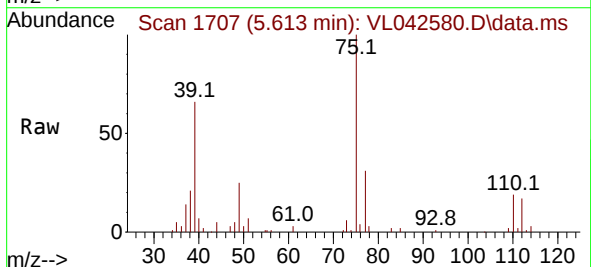
Tgt Ion: 75 Resp: 34445

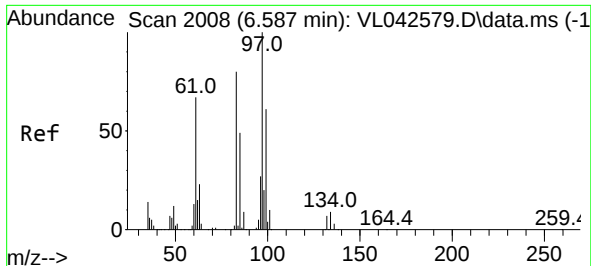
Ion Ratio Lower Upper

75 100

39 64.9 52.7 79.1

77 30.7 25.8 38.8

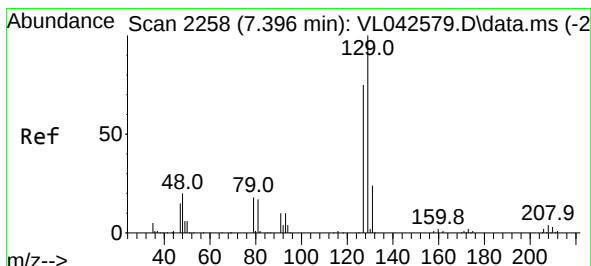
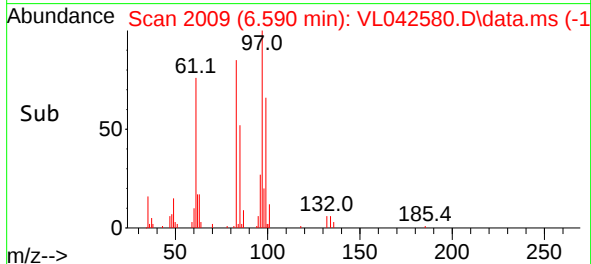
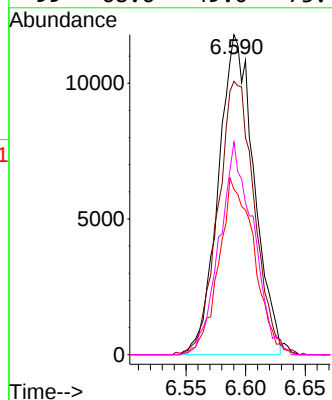
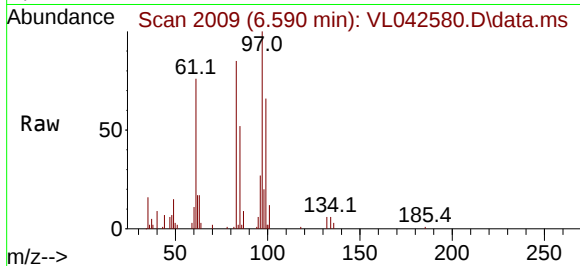




#47
1,1,2-Trichloroethane
Concen: 2.092 ppbv
RT: 6.590 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

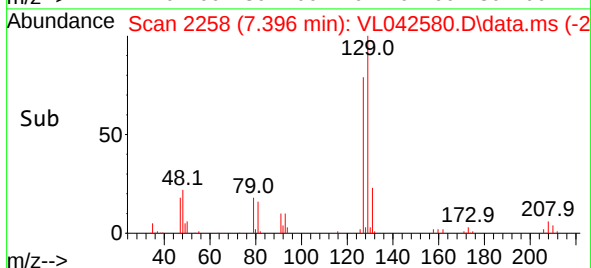
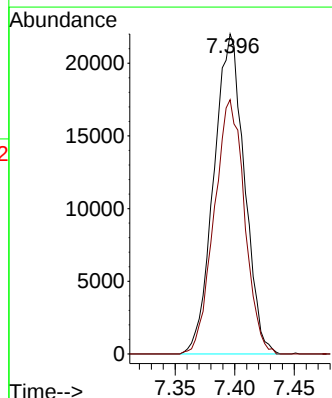
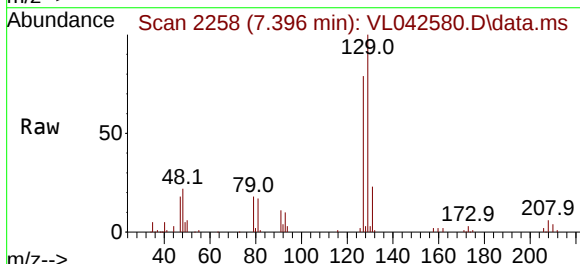
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

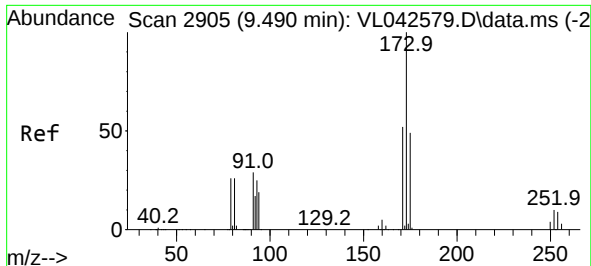
Tgt Ion: 97	Resp: 24455
Ion Ratio	Lower Upper
97	100
83	84.9 63.9 95.9
85	51.7 39.2 58.8
99	68.6 49.0 73.4



#48
Dibromochloromethane
Concen: 2.103 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 129	Resp: 39361
Ion Ratio	Lower Upper
129	100
127	78.5 39.0 116.9

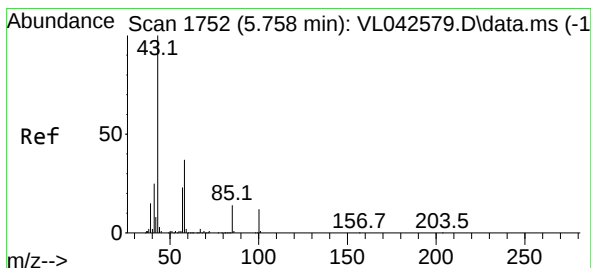
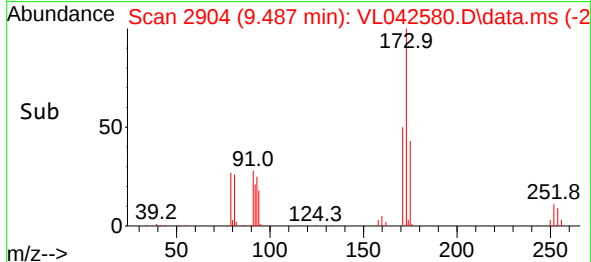
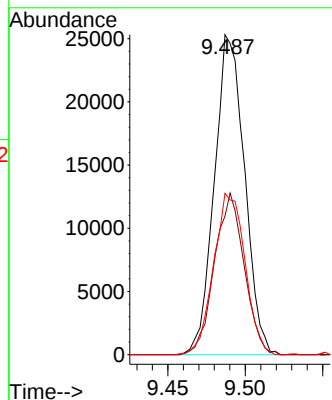
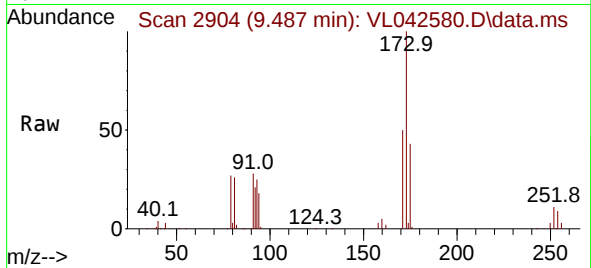




#49
Bromoform
Concen: 2.122 ppbv
RT: 9.487 min Scan# 2905
Delta R.T. -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

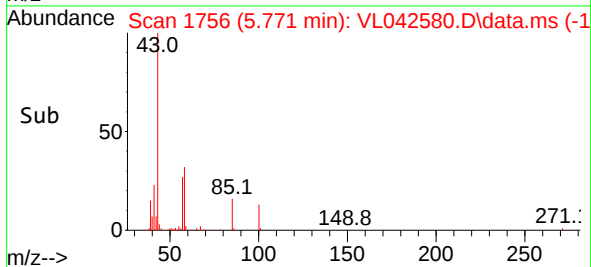
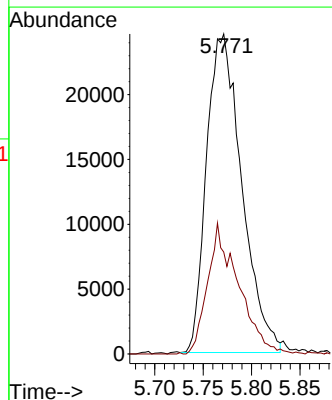
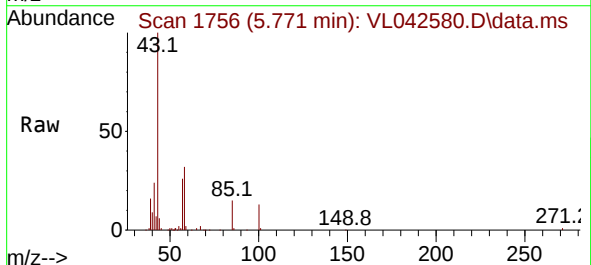
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

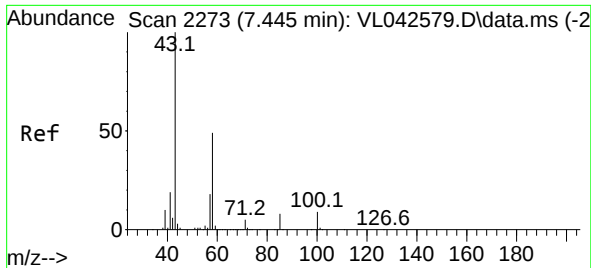
Tgt Ion:173 Resp: 34270
Ion Ratio Lower Upper
173 100
175 49.6 38.7 58.1
171 52.5 41.2 61.8



#50
4-Methyl-2-Pentanone
Concen: 2.018 ppbv
RT: 5.771 min Scan# 1756
Delta R.T. 0.013 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 43 Resp: 62167
Ion Ratio Lower Upper
43 100
58 36.2 28.3 42.5

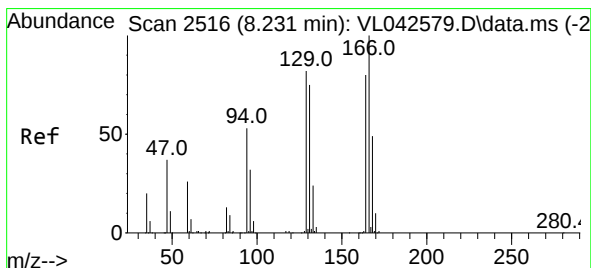
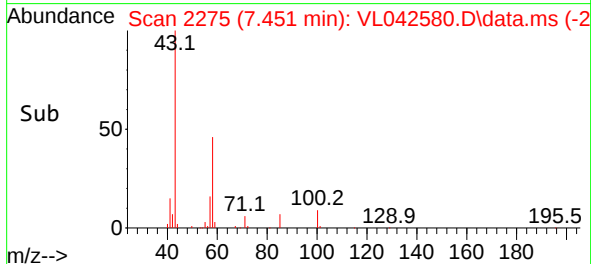
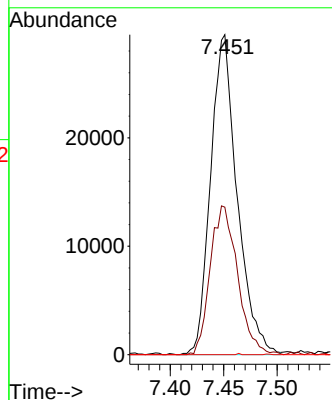
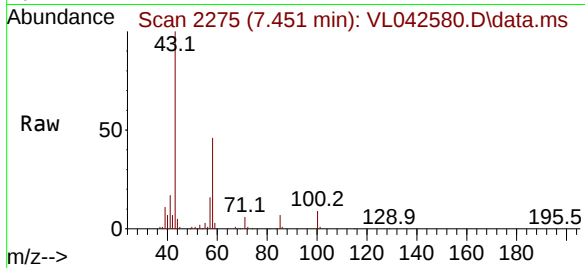




#51
2-Hexanone
Concen: 2.100 ppbv
RT: 7.451 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

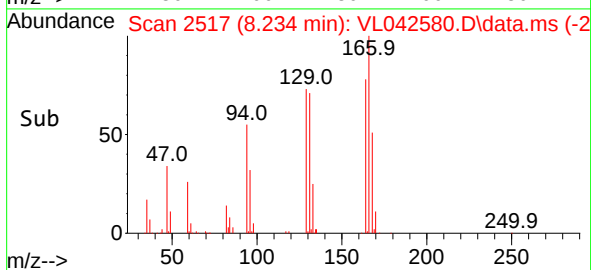
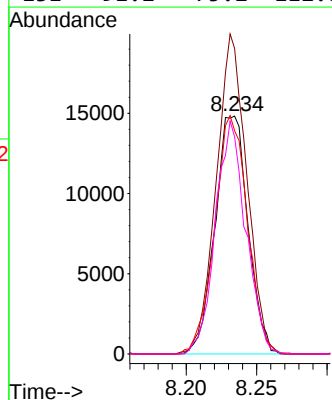
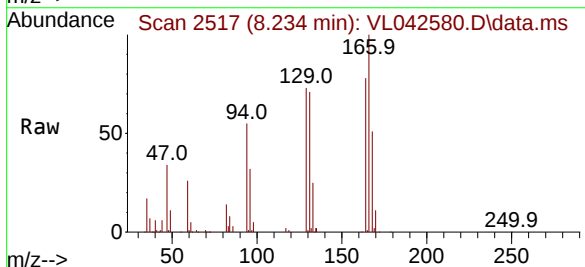
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

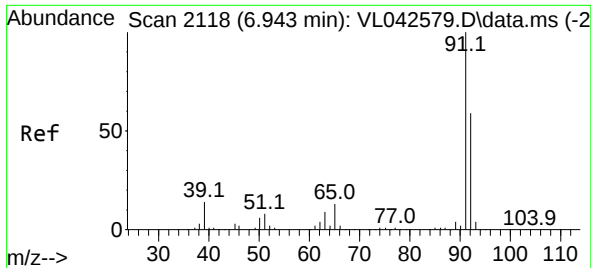
Tgt Ion: 43 Resp: 51074
Ion Ratio Lower Upper
43 100
58 47.9 39.9 59.9
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 2.121 ppbv
RT: 8.234 min Scan# 2517
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 164 Resp: 24205
Ion Ratio Lower Upper
164 100
166 127.9 100.0 150.0
129 93.8 82.2 123.4
131 91.2 75.2 112.8

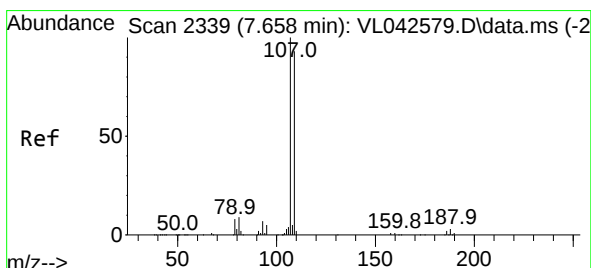
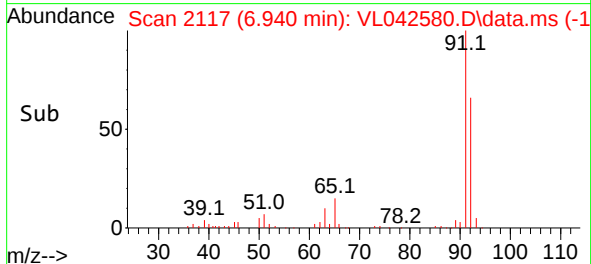
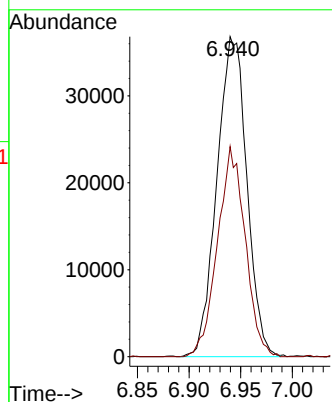
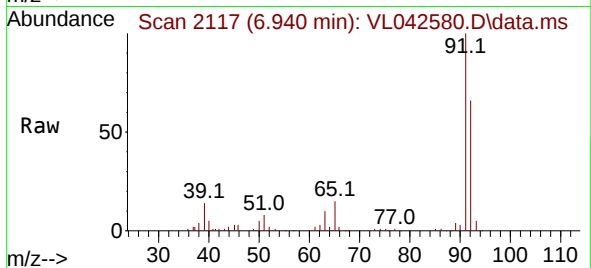




#53
Toluene
Concen: 2.104 ppbv
RT: 6.940 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

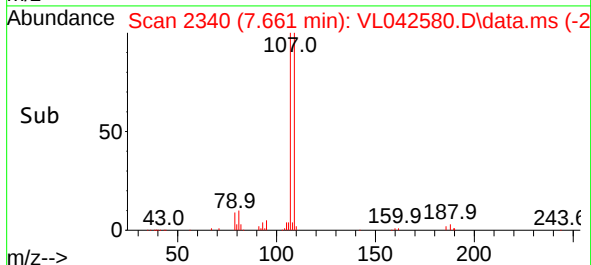
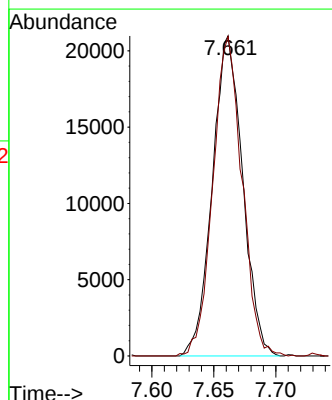
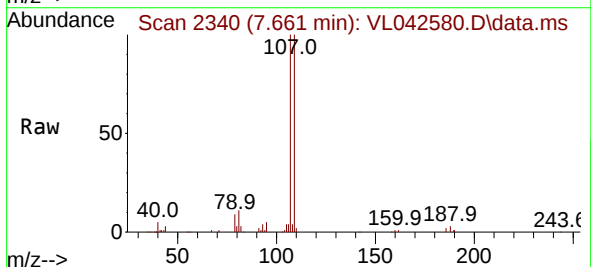
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

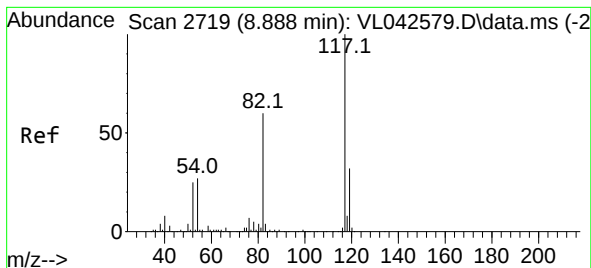
Tgt Ion: 91 Resp: 74240
Ion Ratio Lower Upper
91 100
92 60.9 48.2 72.4



#54
1,2-Dibromoethane
Concen: 2.063 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 107 Resp: 35750
Ion Ratio Lower Upper
107 100
109 99.0 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

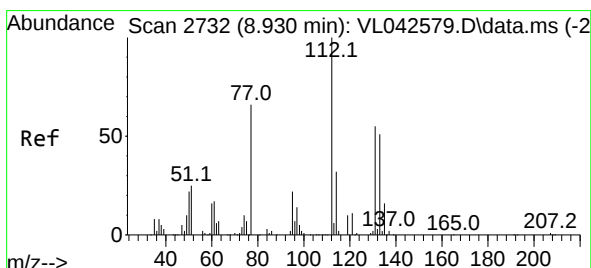
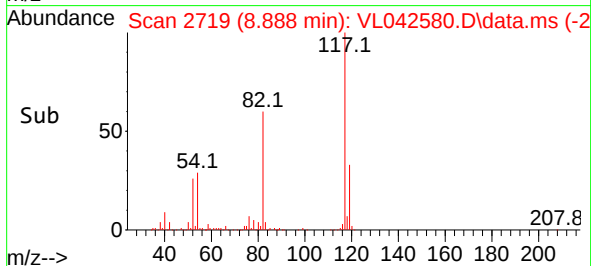
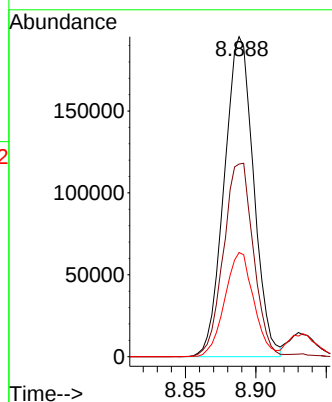
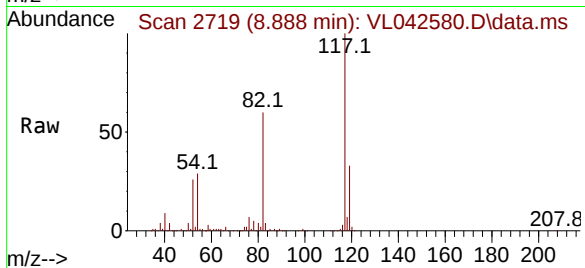
Tgt Ion:117 Resp: 284199

Ion Ratio Lower Upper

117 100

82 62.3 51.2 76.8

119 32.8 26.3 39.5



#56

1,1,1,2-Tetrachloroethane

Concen: 2.101 ppbv

RT: 8.933 min Scan# 2733

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

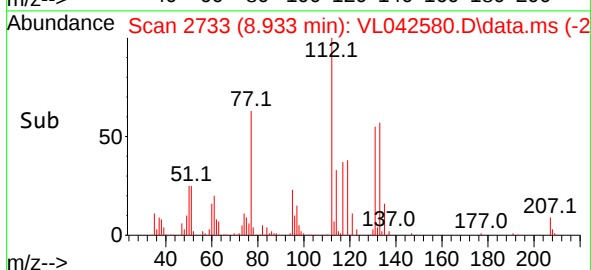
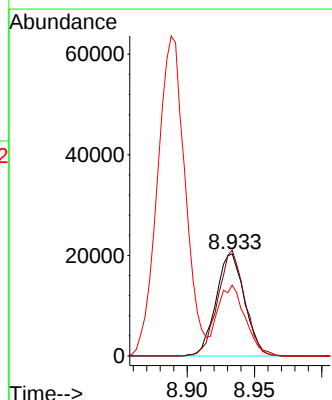
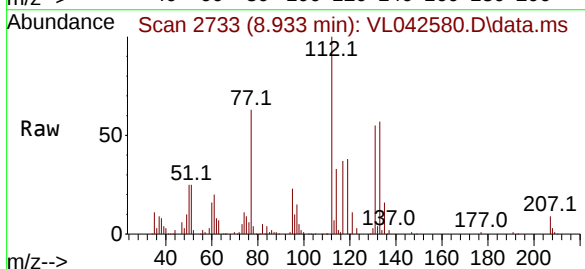
Tgt Ion:131 Resp: 30026

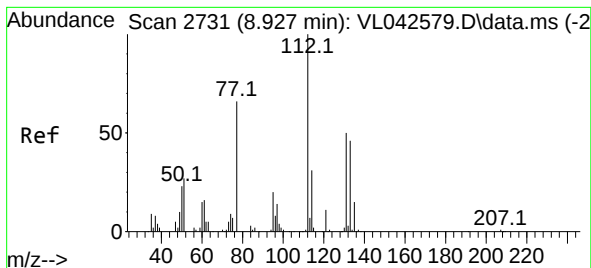
Ion Ratio Lower Upper

131 100

133 97.4 75.0 112.6

119 64.5 50.8 76.2





#57

Chlorobenzene

Concen: 2.088 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

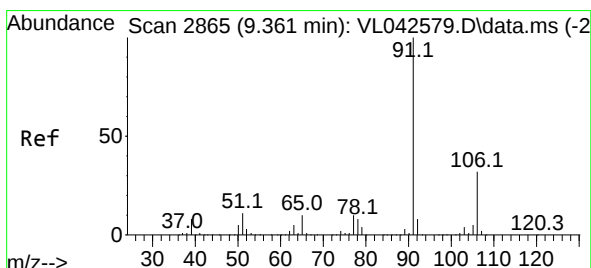
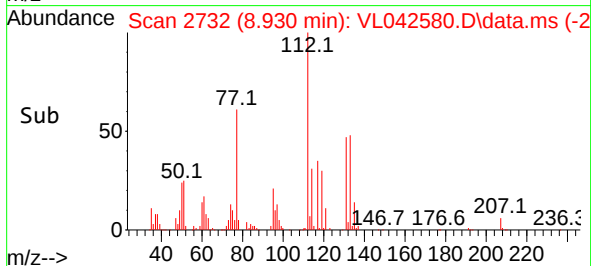
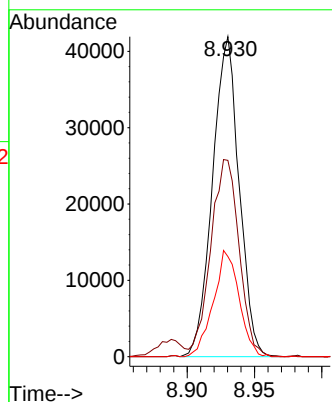
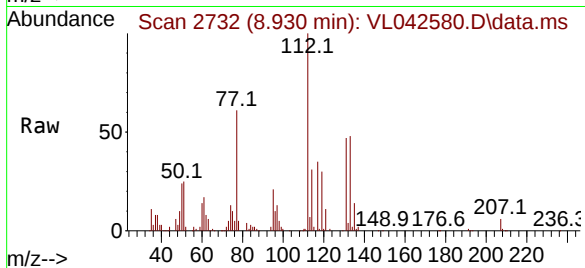
Tgt Ion:112 Resp: 57617

Ion Ratio Lower Upper

112 100

77 61.2 53.5 80.3

114 31.3 27.8 34.0



#58

Ethyl Benzene

Concen: 2.161 ppbv

RT: 9.361 min Scan# 2865

Delta R.T. 0.000 min

Lab File: VL042580.D

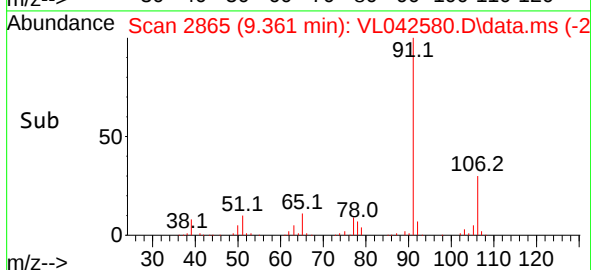
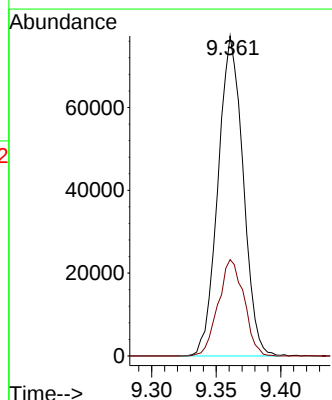
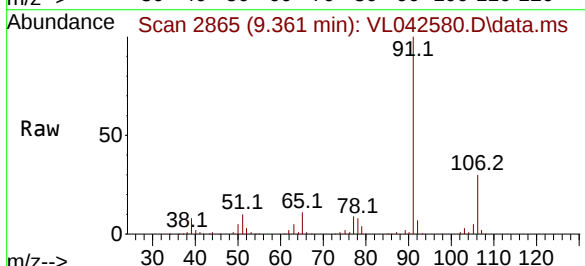
Acq: 29 May 2025 11:43

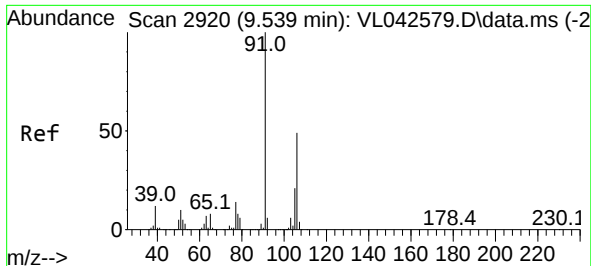
Tgt Ion: 91 Resp: 104171

Ion Ratio Lower Upper

91 100

106 30.1 25.9 38.9





#59

m/p-Xylene

Concen: 2.309 ppbv

RT: 9.539 min Scan# 2920

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_1

ClientSampleId :

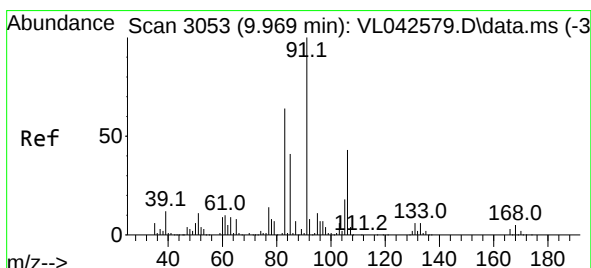
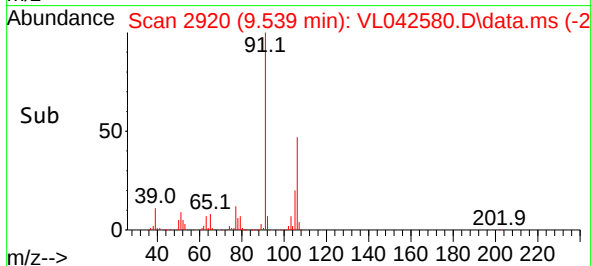
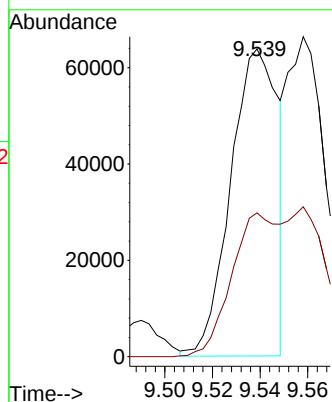
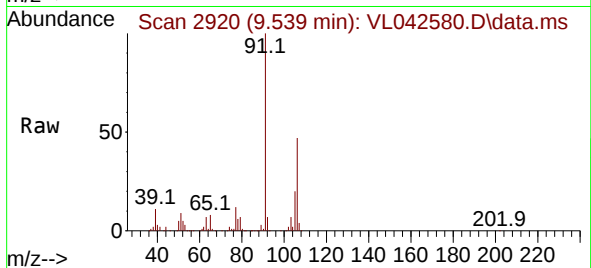
VSTDIC002

Tgt Ion: 91 Resp: 87626

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 2.164 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VL042580.D

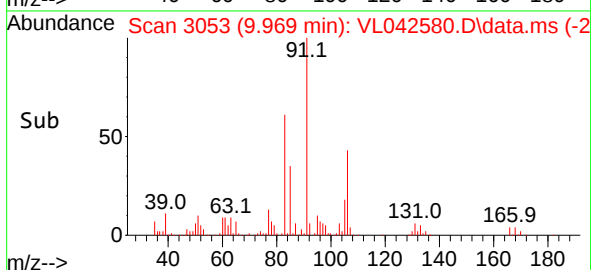
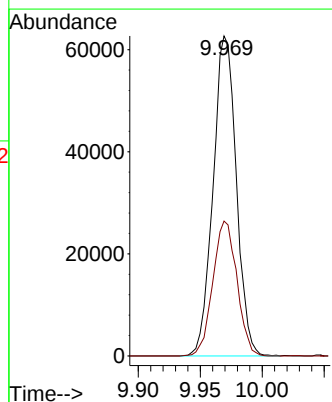
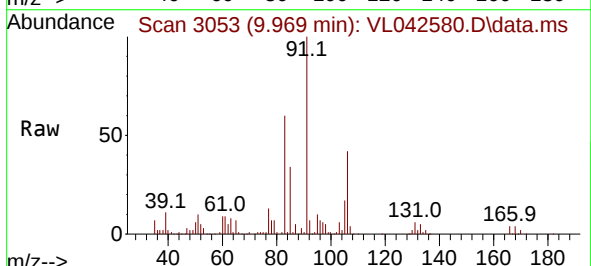
Acq: 29 May 2025 11:43

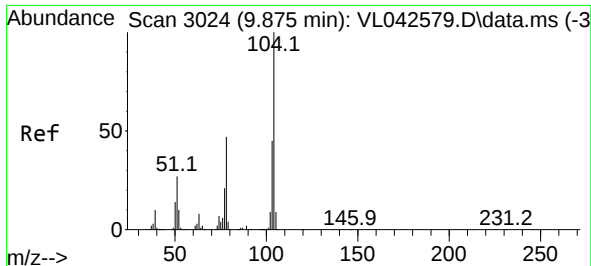
Tgt Ion: 91 Resp: 81886

Ion Ratio Lower Upper

91 100

106 43.6 22.9 68.5

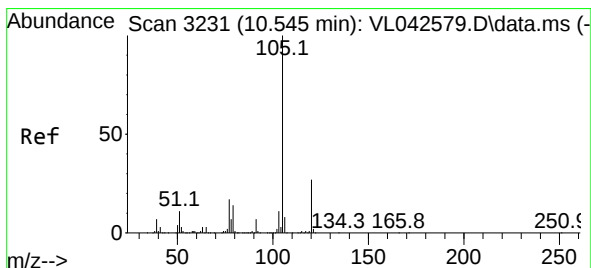
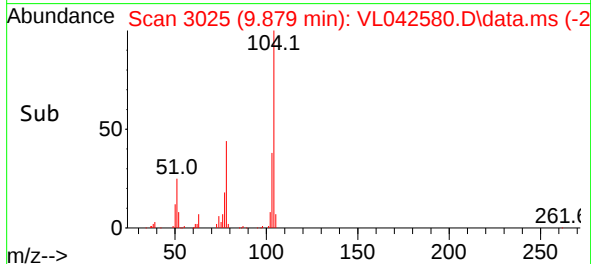
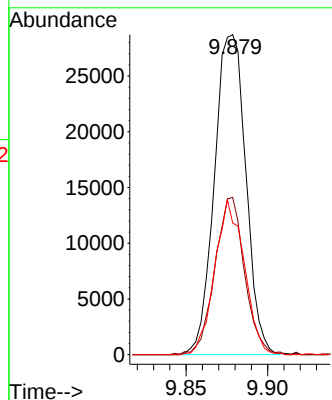
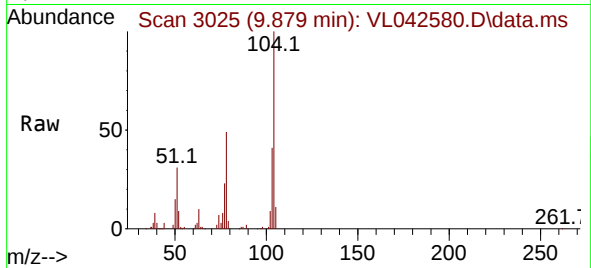




#61
Styrene
Concen: 2.154 ppbv
RT: 9.879 min Scan# 3024
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

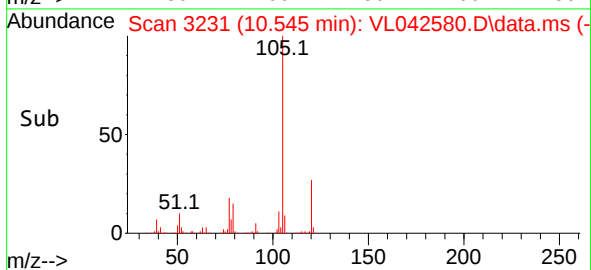
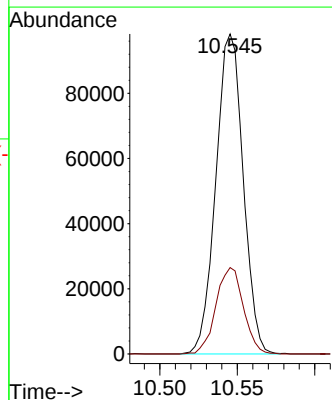
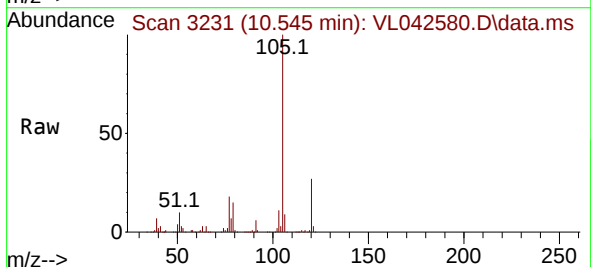
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

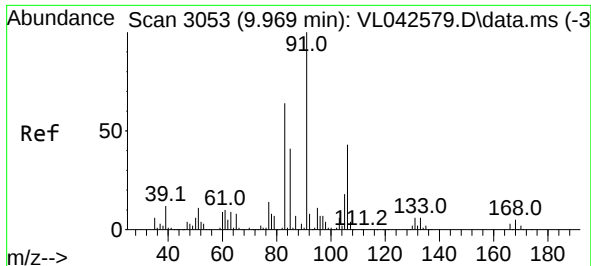
Tgt Ion:104 Resp: 38542
Ion Ratio Lower Upper
104 100
78 46.5 38.2 57.4
103 45.3 36.7 55.1



#62
Isopropylbenzene
Concen: 2.157 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion:105 Resp: 120576
Ion Ratio Lower Upper
105 100
120 27.1 20.9 31.3

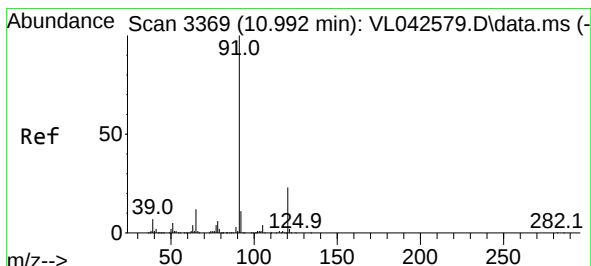
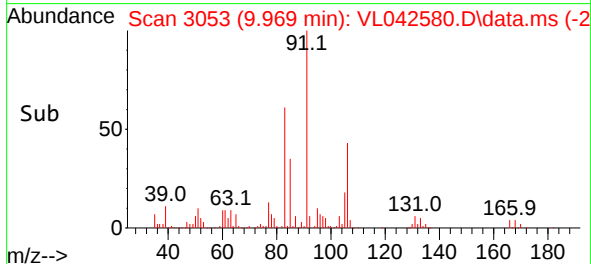
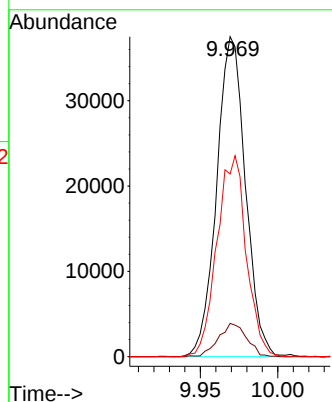
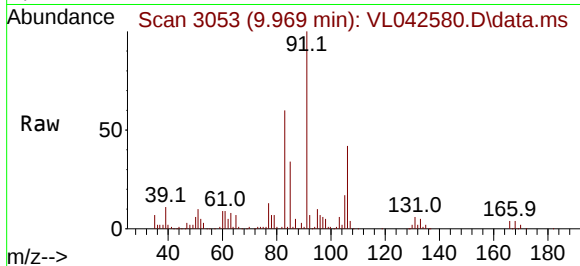




#63
1,1,2,2-Tetrachloroethane
Concen: 2.020 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

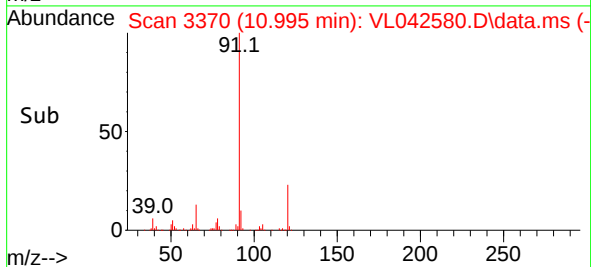
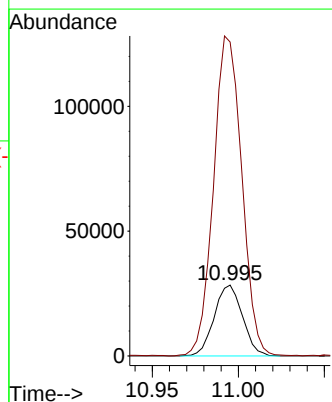
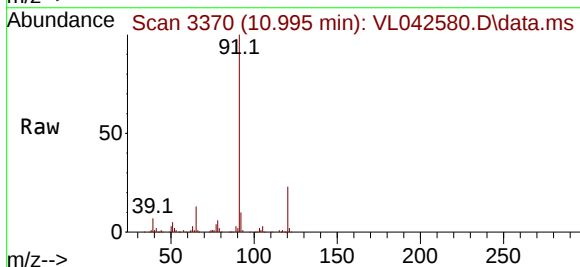
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

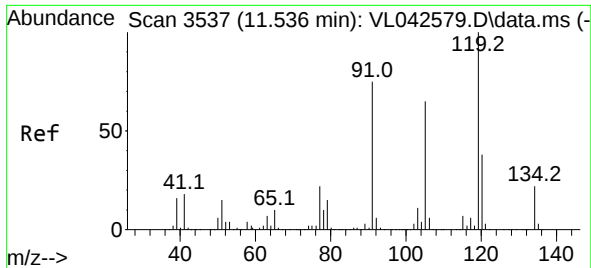
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.4
85	63.8	32.5	97.4



#64
n-propylbenzene
Concen: 2.163 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion	Ratio	Lower	Upper
120	100		
91	453.9	363.0	544.6

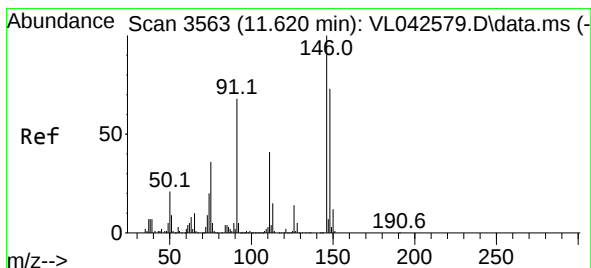
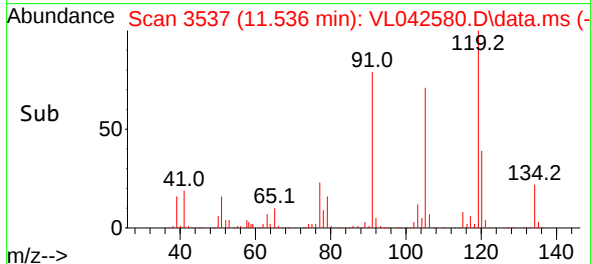
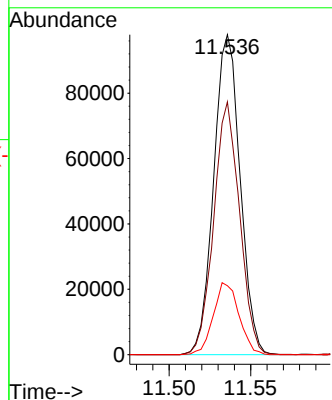
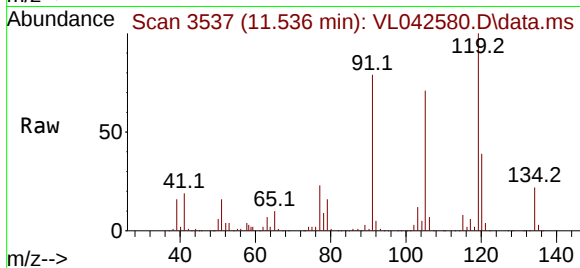




#65
tert-Butylbenzene
Concen: 2.176 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

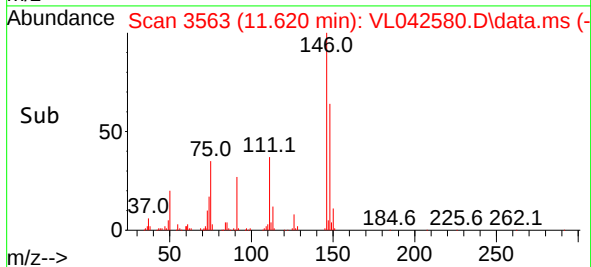
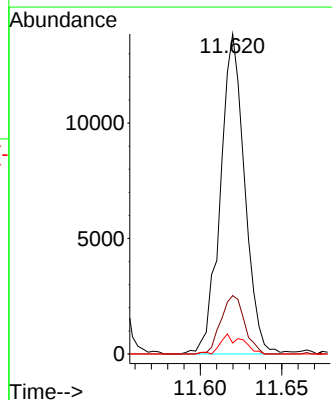
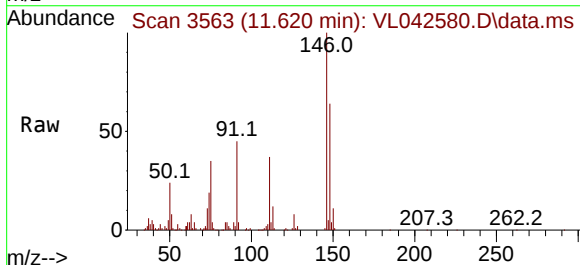
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

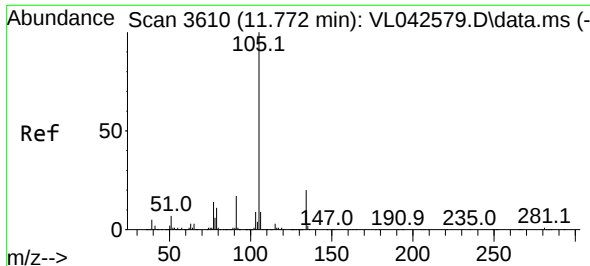
Tgt Ion:119 Resp: 110380
Ion Ratio Lower Upper
119 100
91 77.2 61.1 91.7
134 21.9 17.4 26.2



#66
Benzyl Chloride
Concen: 2.190 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.000 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 14327
Ion Ratio Lower Upper
91 100
126 17.8 15.1 22.7
128 5.7 5.0 7.6

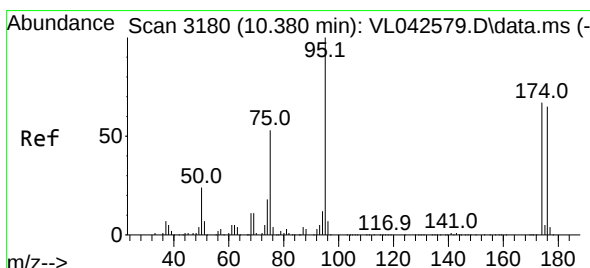
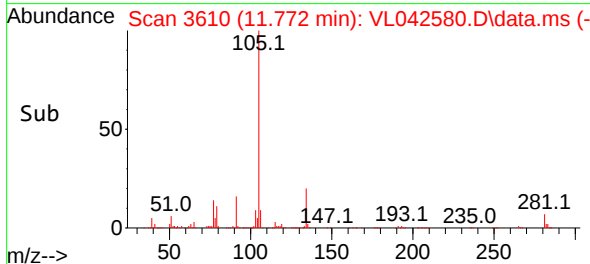
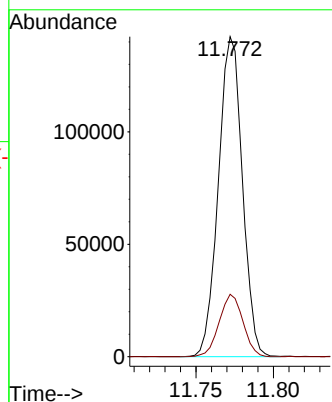
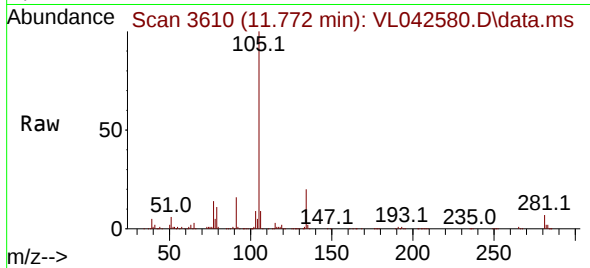




#67
 sec-Butylbenzene
 Concen: 2.151 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

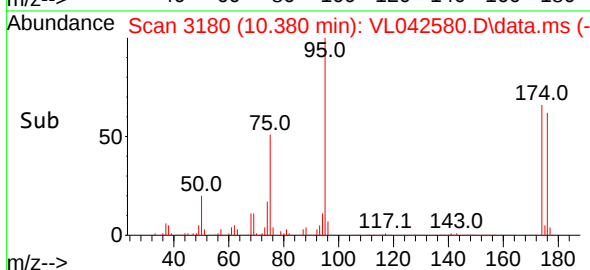
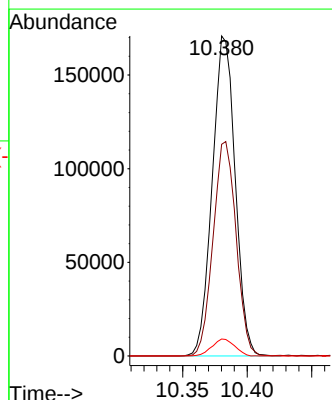
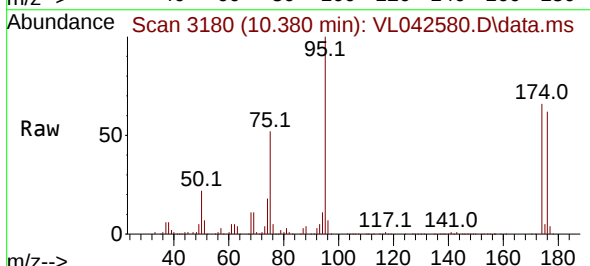
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

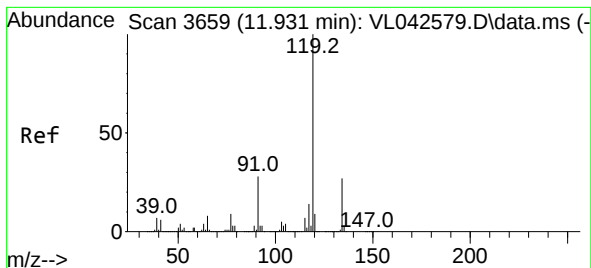
Tgt Ion:105 Resp: 153401
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.8 23.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.881 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

Tgt Ion: 95 Resp: 210508
 Ion Ratio Lower Upper
 95 100
 174 67.4 53.1 79.7
 175 5.3 4.2 6.2

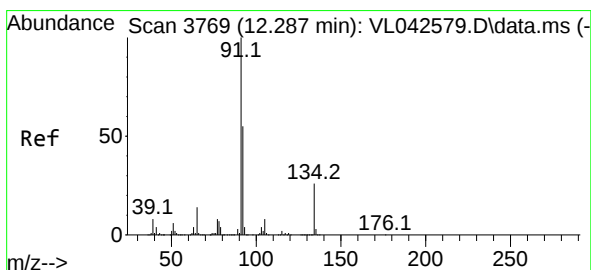
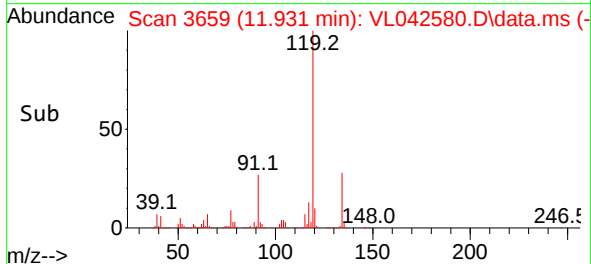
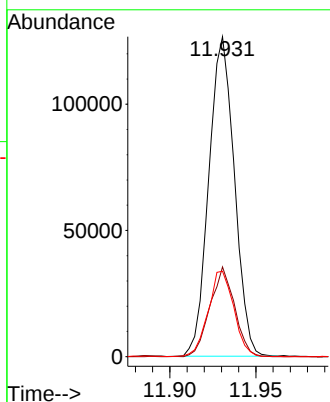
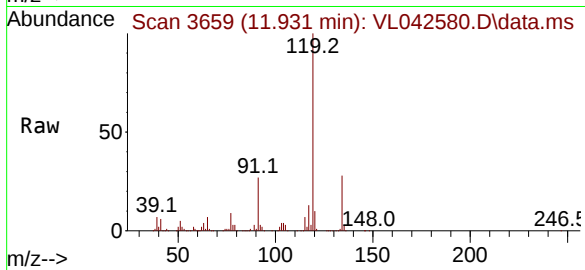




#69
 p-Isopropyltoluene
 Concen: 2.188 ppbv
 RT: 11.931 min Scan# 3659
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

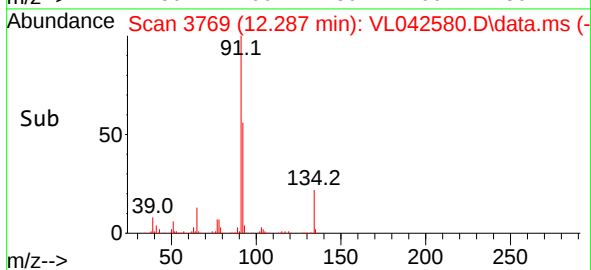
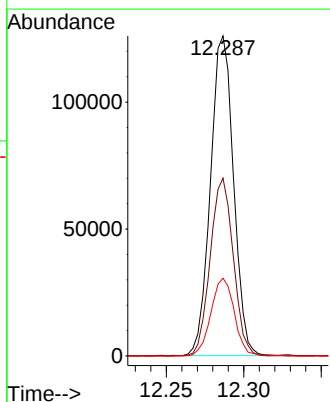
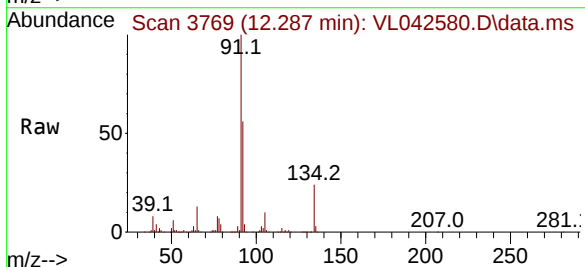
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

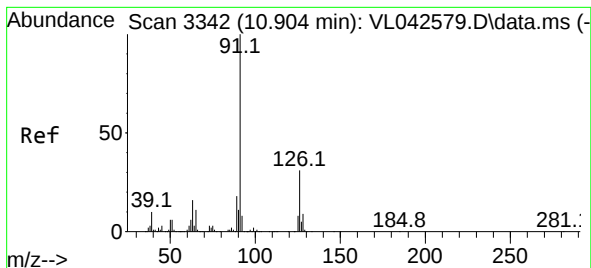
Tgt Ion:119 Resp: 130647
 Ion Ratio Lower Upper
 119 100
 134 27.0 21.1 31.7
 91 27.2 21.9 32.9



#70
 n-Butylbenzene
 Concen: 2.216 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

Tgt Ion: 91 Resp: 130662
 Ion Ratio Lower Upper
 91 100
 92 55.6 44.4 66.6
 134 24.6 20.1 30.1

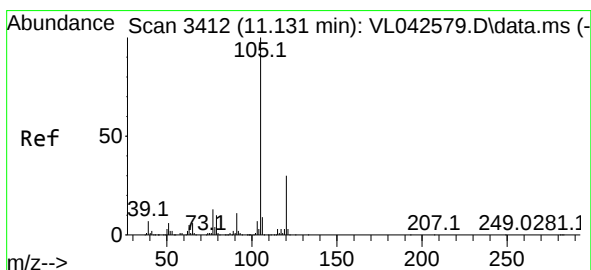
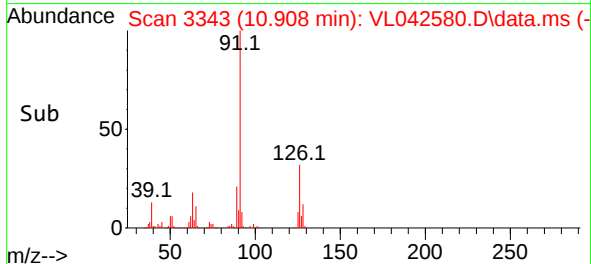
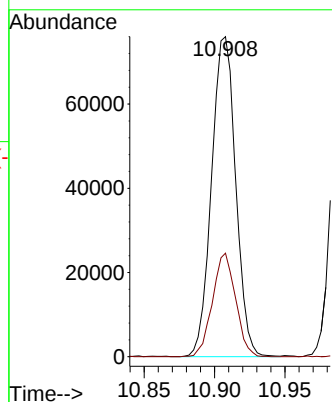
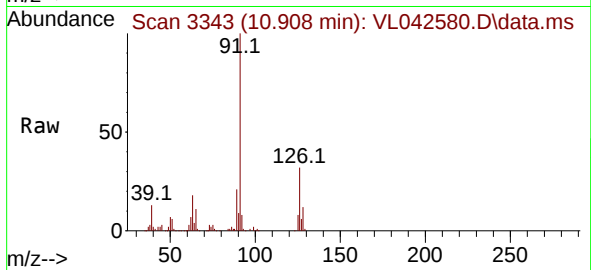




#71
2-Chlorotoluene
Concen: 2.128 ppbv
RT: 10.908 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

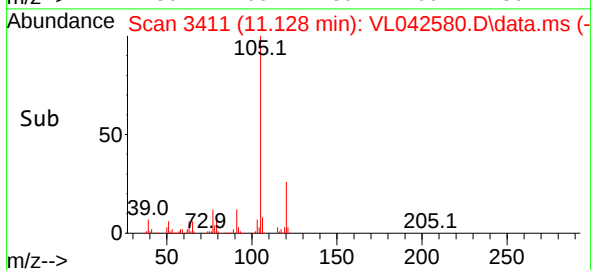
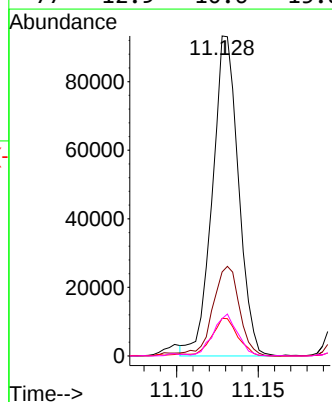
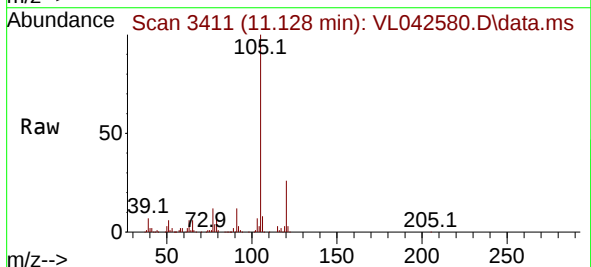
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

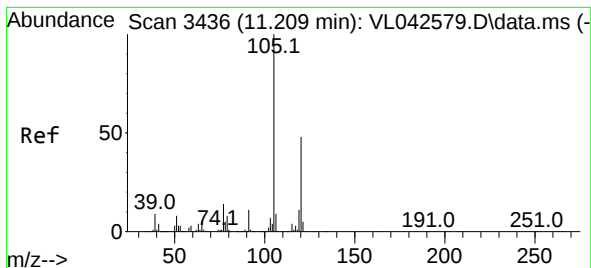
Tgt Ion: 91 Resp: 90725
Ion Ratio Lower Upper
91 100
126 30.9 12.6 50.4



#72
4-Ethyltoluene
Concen: 2.197 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042580.D
Acq: 29 May 2025 11:43

Tgt Ion: 105 Resp: 103640
Ion Ratio Lower Upper
105 100
120 29.2 24.6 36.8
91 12.3 9.6 14.4
77 12.9 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 2.147 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

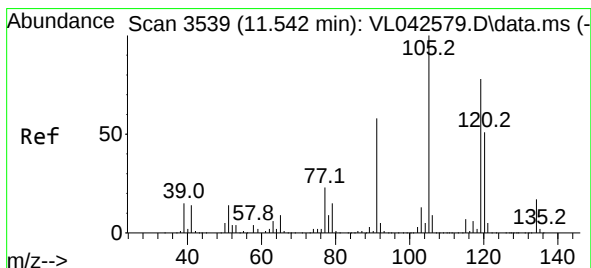
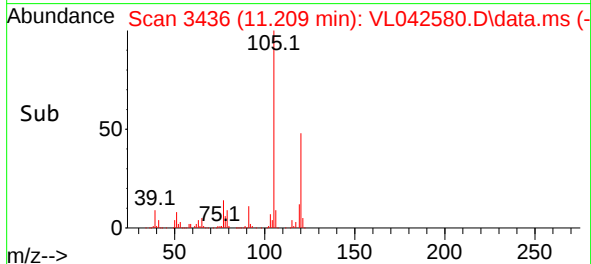
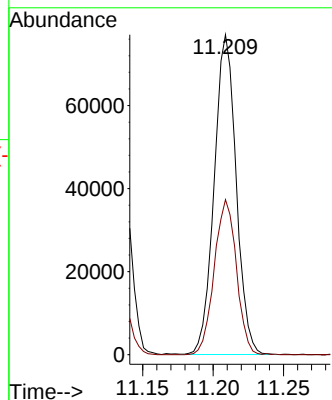
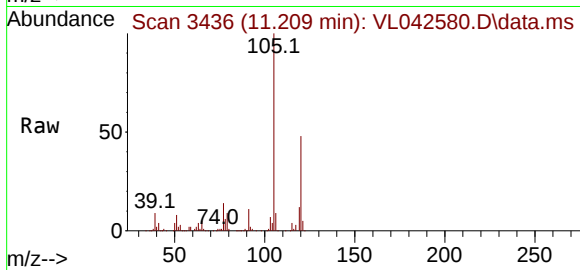
VSTDIC002

Tgt Ion:105 Resp: 83829

Ion Ratio Lower Upper

105 100

120 48.5 38.8 58.2



#74

1,2,4-Trimethylbenzene

Concen: 2.186 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Tgt Ion:105 Resp: 94716

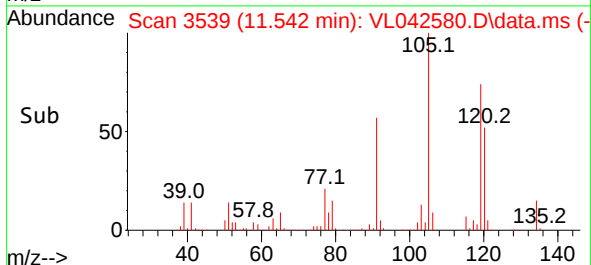
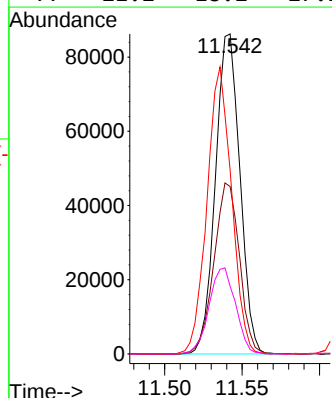
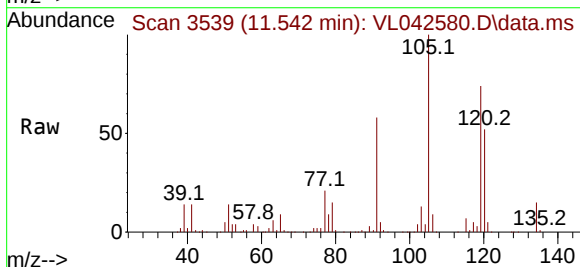
Ion Ratio Lower Upper

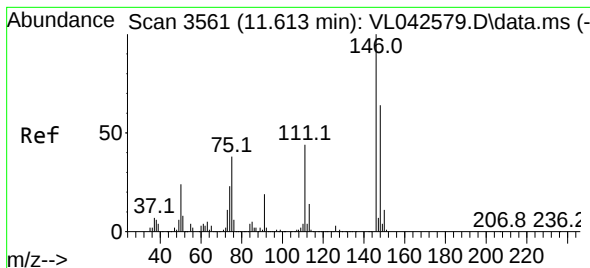
105 100

120 52.3 40.8 61.2

91 57.4 46.8 70.2

77 21.2 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 2.174 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

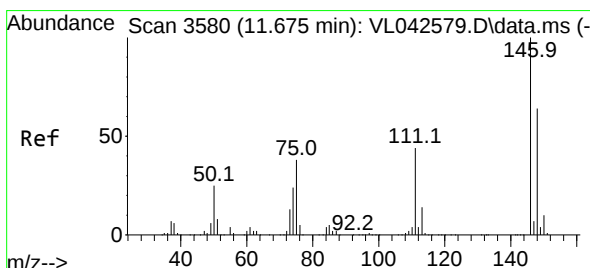
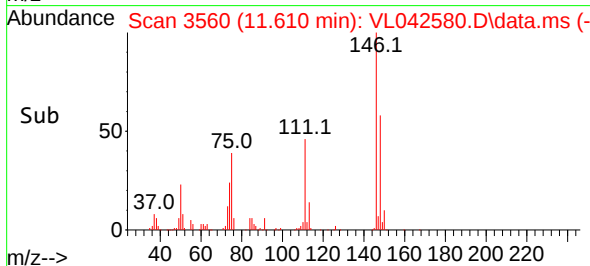
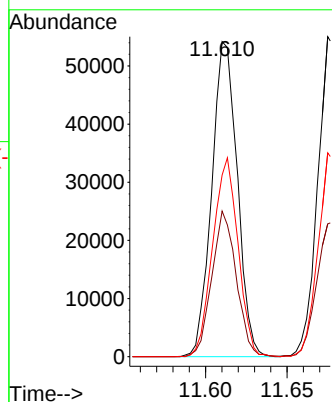
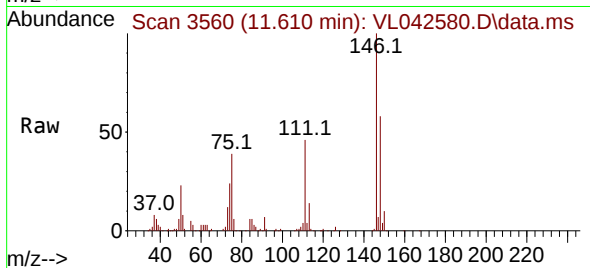
Tgt Ion:146 Resp: 59138

Ion Ratio Lower Upper

146 100

111 44.3 22.4 67.3

148 62.4 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 2.171 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

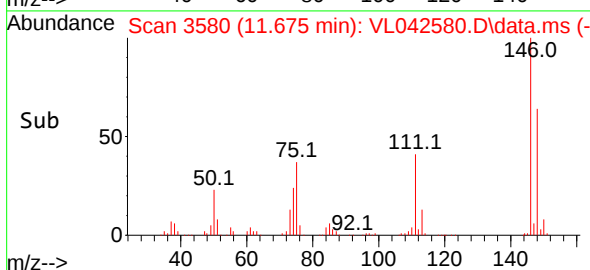
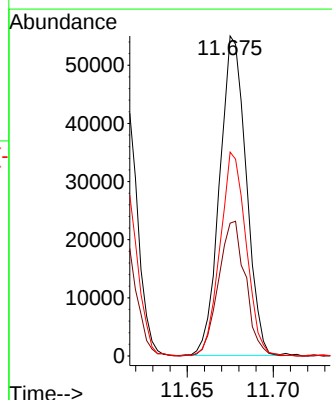
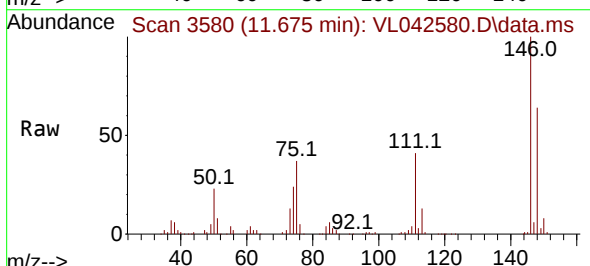
Tgt Ion:146 Resp: 58920

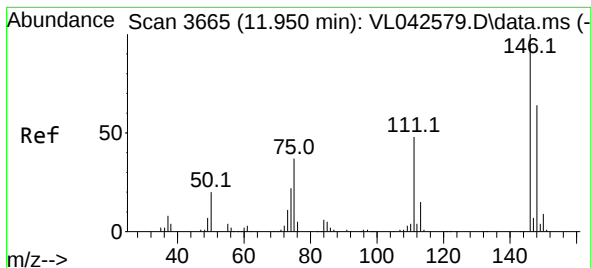
Ion Ratio Lower Upper

146 100

111 43.2 21.6 64.8

148 63.0 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 2.212 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.003 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

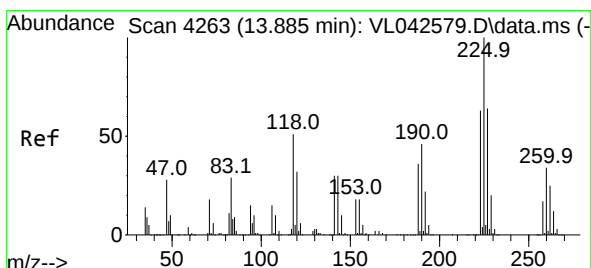
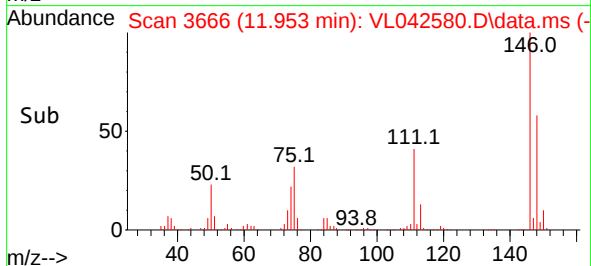
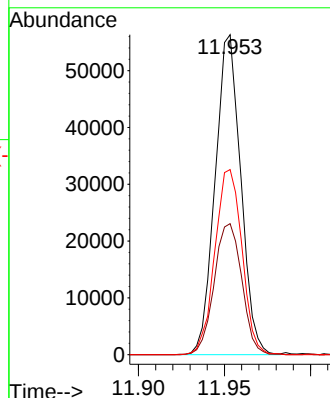
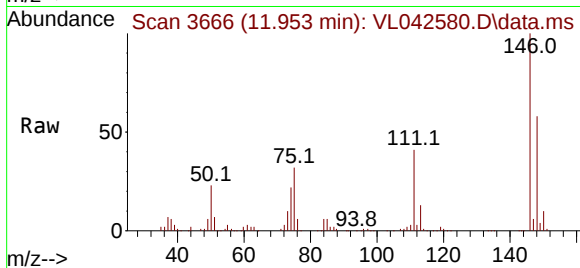
Tgt Ion:146 Resp: 58400

Ion Ratio Lower Upper

146 100

111 44.1 23.1 69.3

148 61.2 32.1 96.3



#78

Hexachloro-1,3-Butadiene

Concen: 2.288 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

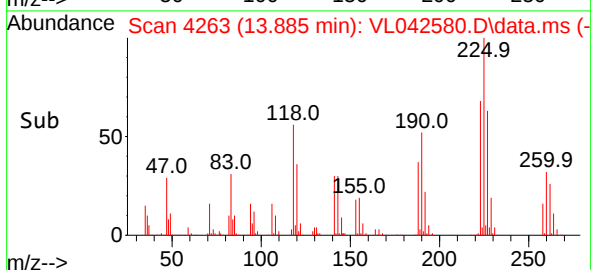
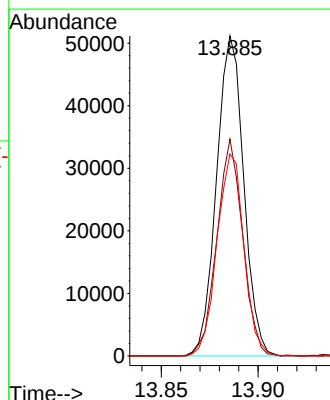
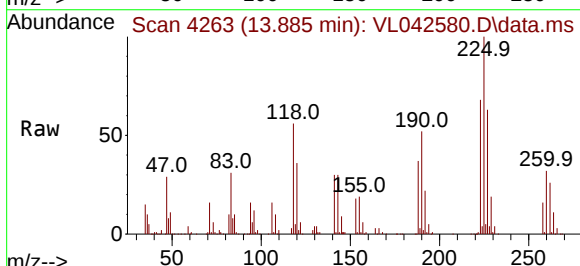
Tgt Ion:225 Resp: 49999

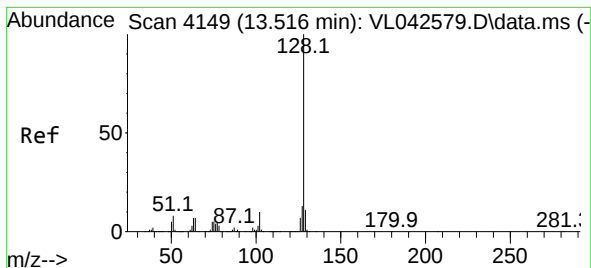
Ion Ratio Lower Upper

225 100

223 64.1 50.2 75.4

227 62.5 51.1 76.7





#79

Naphthalene

Concen: 2.494 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

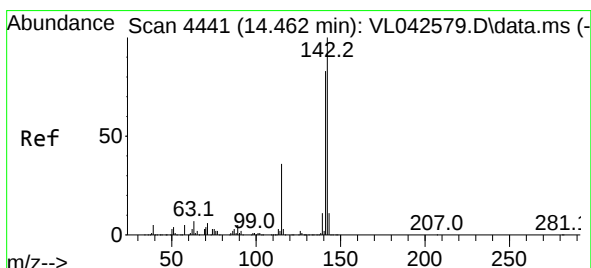
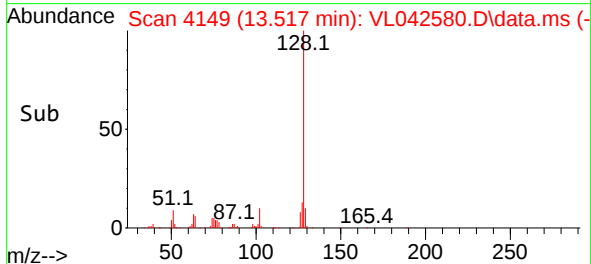
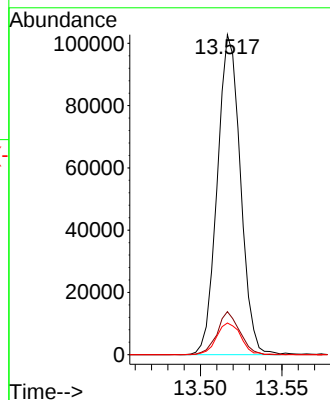
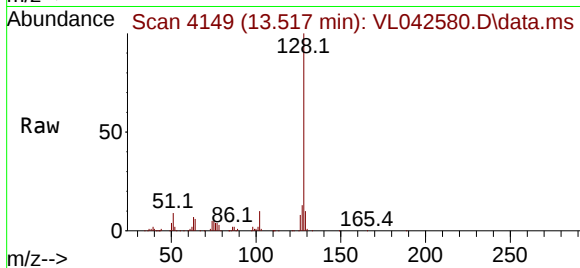
Tgt Ion:128 Resp: 101451

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 9.9 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 2.408 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.000 min

Lab File: VL042580.D

Acq: 29 May 2025 11:43

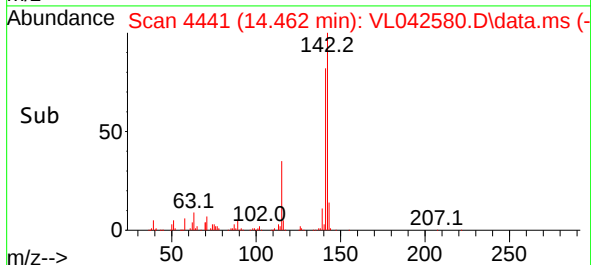
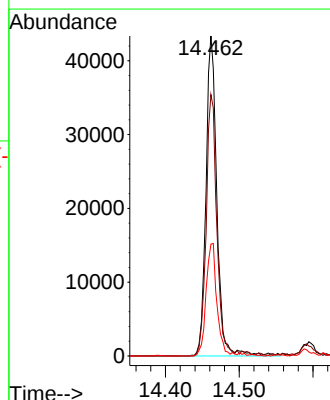
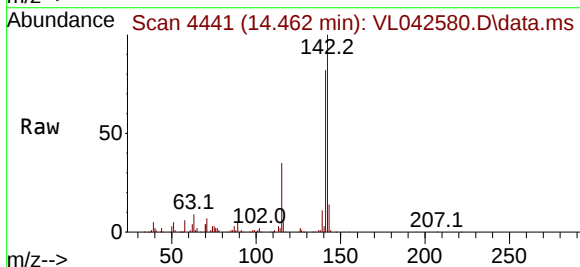
Tgt Ion:142 Resp: 44376

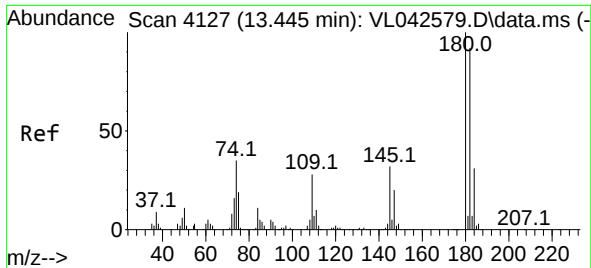
Ion Ratio Lower Upper

142 100

141 82.1 66.2 99.4

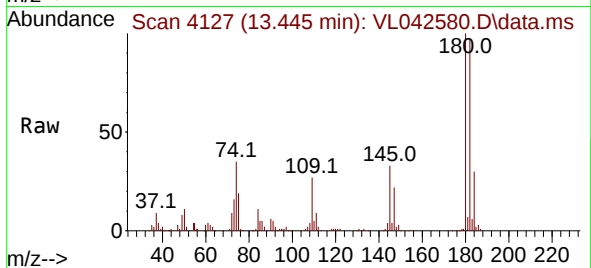
115 35.0 28.3 42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 2.353 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL042580.D
 Acq: 29 May 2025 11:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:180 Resp: 53653
 Ion Ratio Lower Upper
 180 100
 182 97.3 75.0 112.4
 184 30.4 24.6 36.8

