

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042549.D
 Acq On : 20 May 2025 10:50
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: May 20 23:26:42 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	2.793	49	117316	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	398840	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	347382	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	278604	10.021	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	11933	0.544	ppbv	98
3) Chlorodifluoromethane	1.476	51	9650	0.534	ppbv	98
4) Chloromethane	1.534	50	3786	0.536	ppbv	99
5) Vinyl Chloride	1.583	62	4119	0.529	ppbv #	88
6) Bromomethane	1.670	94	2298	0.513	ppbv	91
7) Chloroethane	1.706	64	1686	0.538	ppbv #	72
8) Dichlorotetrafluoroethane	1.557	85	9669	0.520	ppbv	99
9) Propene	1.486	41	3051	0.486	ppbv	86
10) Heptane	4.991	43	7166	0.433	ppbv	98
11) Trichlorofluoromethane	1.881	101	12411	0.542	ppbv	93
12) 1,1,2-Trichlorotrifluo...	2.143	101	9707	0.526	ppbv	96
13) Ethanol	1.725	45	576	0.633	ppbv #	37
14) Bromoethene	1.784	108	3556	0.510	ppbv #	94
15) Acetone	1.839	43	9858	0.603	ppbv	93
16) 1,3-Butadiene	1.612	39	3704	0.558	ppbv	89
17) tert-Butyl alcohol	2.046	59	10041	0.531	ppbv #	94
18) 1,1-Dichloroethene	2.344	96	4858	0.582	ppbv	92
19) Isopropyl Alcohol	1.890	45	5148	0.554	ppbv #	37
20) Methylene Chloride	2.065	84	5037	0.636	ppbv	93
21) Allyl Chloride	2.098	41	5408	0.516	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	4858	0.524	ppbv	85
23) Vinyl Acetate	2.467	43	8843	0.466	ppbv #	90
24) 1,1-Dichloroethane	2.412	63	8281	0.522	ppbv	96
25) Ethyl Acetate	2.842	43	15167	0.480	ppbv	98
26) Hexane	2.829	57	6591	0.461	ppbv	92
27) Carbon Disulfide	2.156	76	9926	0.480	ppbv #	39
28) Methyl tert-Butyl Ether	2.447	73	4938	0.513	ppbv	96
29) Chloroform	2.852	83	14227	0.527	ppbv	99
30) Cyclohexane	3.865	84	5242	0.424	ppbv	93
31) cis-1,2-Dichloroethene	2.726	61	7923	0.504	ppbv	96
32) 1,1,1-Trichloroethane	3.373	97	13575	0.492	ppbv	98
34) 2-Butanone	2.564	43	10625	0.502	ppbv	97
35) Carbon Tetrachloride	3.771	117	14866	0.489	ppbv	97
36) Benzene	3.664	78	15613	0.484	ppbv	98
37) 1,2-Dichloroethane	3.224	62	10538	0.534	ppbv	100
38) Trichloroethene	4.557	130	7058	0.479	ppbv	98
39) 1,2-Dichloropropane	4.324	63	5653	0.499	ppbv	89
40) 1,4-Dioxane	4.606	88	808	0.159	ppbv #	26
41) Tetrahydrofuran	3.065	42	4400	0.426	ppbv	95
42) Bromodichloromethane	4.499	83	13457	0.484	ppbv #	97
43) Methyl Methacrylate	4.897	69	4535	0.415	ppbv	92
44) 2,2,4-Trimethylpentane	4.651	57	22539	0.457	ppbv	97
45) t-1,3-Dichloropropene	6.428	75	5928	0.425	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042549.D
 Acq On : 20 May 2025 10:50
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

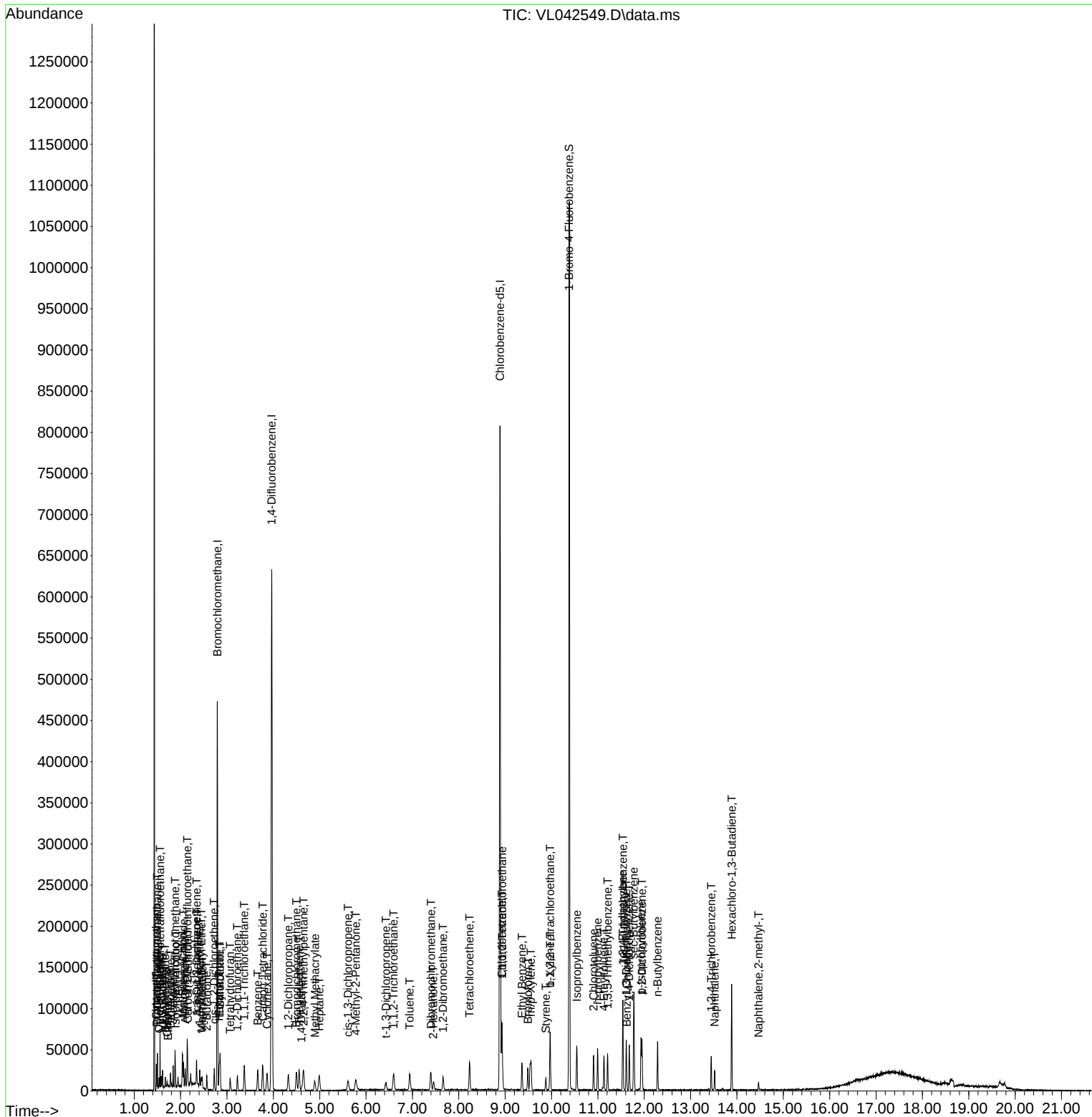
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

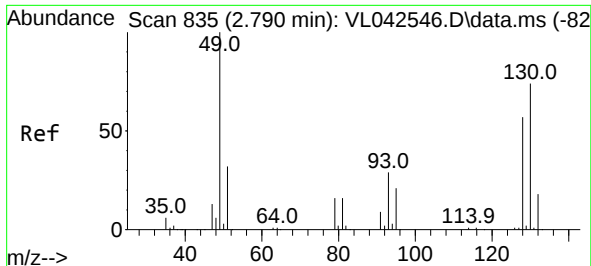
Quant Time: May 20 23:26:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	4611	0.272	ppbv	97
47) 1,1,2-Trichloroethane	6.593	97	5833	0.430	ppbv	96
48) Dibromochloromethane	7.402	129	11385	0.485	ppbv	98
49) Bromoform	9.490	173	9012	0.450	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	9740	0.384	ppbv	99
51) 2-Hexanone	7.448	43	2966	0.159	ppbv #	27
52) Tetrachloroethene	8.231	164	6006	0.477	ppbv	93
53) Toluene	6.940	91	8792	0.255	ppbv #	21
54) 1,2-Dibromoethane	7.658	107	9474	0.480	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	9373	0.506	ppbv #	1
57) Chlorobenzene	8.930	112	15816	0.511	ppbv #	95
58) Ethyl Benzene	9.361	91	18066	0.397	ppbv	99
59) m/p-Xylene	9.555	91	16655	0.429	ppbv #	41
60) o-Xylene	9.969	91	14673	0.382	ppbv	99
61) Styrene	9.879	104	5227	0.355	ppbv	96
62) Isopropylbenzene	10.545	105	24889	0.423	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.969	83	12697	0.497	ppbv	99
64) n-propylbenzene	10.992	120	5620	0.383	ppbv	92
65) tert-Butylbenzene	11.536	119	20436	0.386	ppbv	98
66) Benzyl Chloride	11.623	91	2838	0.429	ppbv #	97
67) sec-Butylbenzene	11.772	105	31370	0.420	ppbv	99
69) p-Isopropyltoluene	11.934	119	22462	0.364	ppbv	97
70) n-Butylbenzene	12.287	91	19614	0.336	ppbv	98
71) 2-Chlorotoluene	10.908	91	16834	0.397	ppbv	99
72) 4-Ethyltoluene	11.131	105	17908	0.377	ppbv	97
73) 1,3,5-Trimethylbenzene	11.209	105	16084	0.391	ppbv	97
74) 1,2,4-Trimethylbenzene	11.542	105	20184	0.407	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	14117	0.462	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	13548	0.456	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	14801	0.491	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	12950	0.520	ppbv	96
79) Naphthalene	13.516	128	11230	0.303	ppbv	100
80) Naphthalene,2-methyl-	14.468	142	3696	0.193	ppbv #	90
81) 1,2,4-Trichlorobenzene	13.445	180	7188	0.322	ppbv	96

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

Quant Time: May 20 23:26:42 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

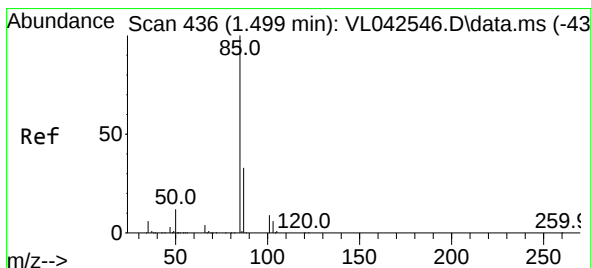
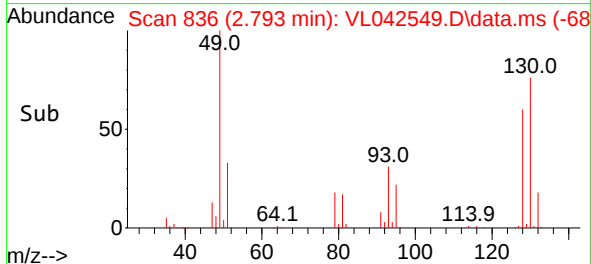
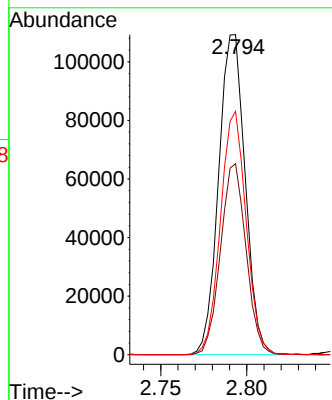
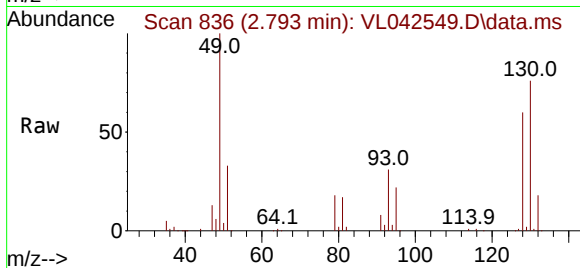




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 835
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

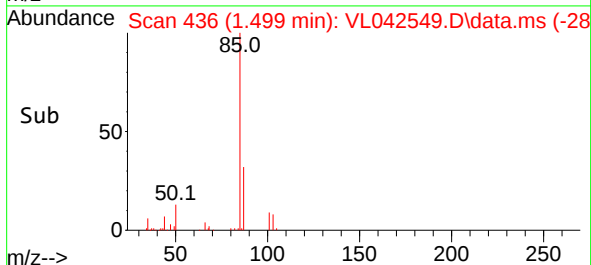
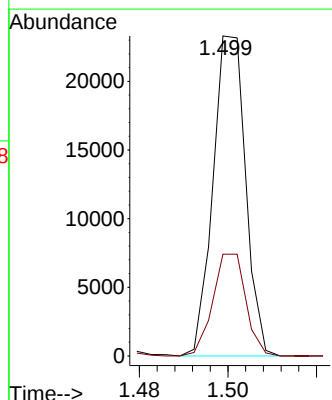
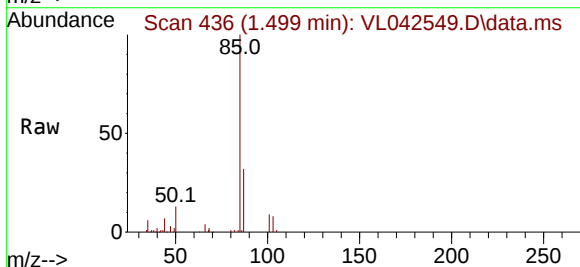
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

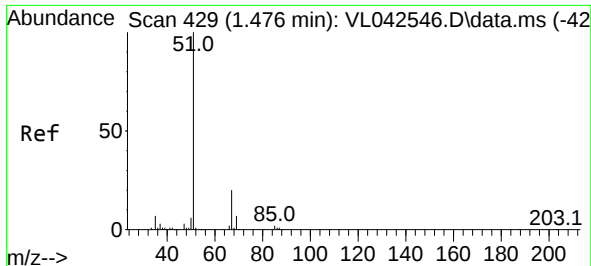
Tgt Ion: 49 Resp: 117316
Ion Ratio Lower Upper
49 100
128 57.4 28.6 85.8
130 73.6 36.6 109.8



#2
Dichlorodifluoromethane
Concen: 0.544 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 85 Resp: 11933
Ion Ratio Lower Upper
85 100
87 31.8 26.2 39.4





#3

Chlorodifluoromethane

Concen: 0.534 ppbv

RT: 1.476 min Scan# 429

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

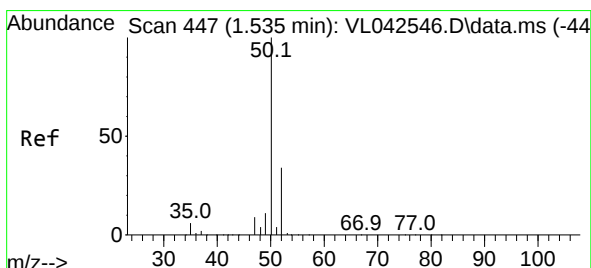
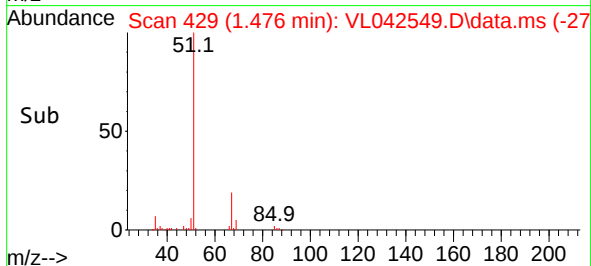
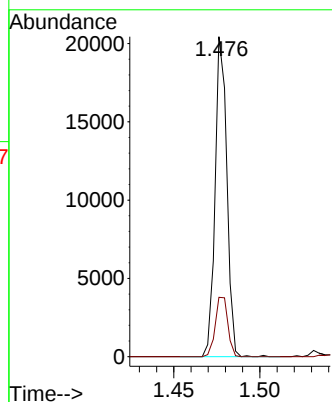
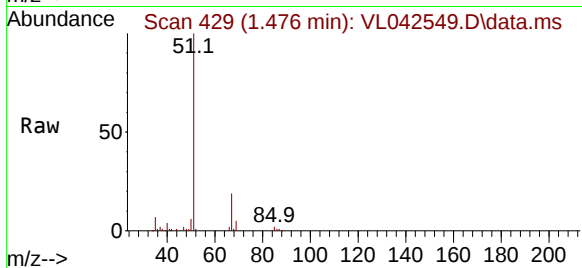
VSTDIC0.5

Tgt Ion: 51 Resp: 9650

Ion Ratio Lower Upper

51 100

67 19.9 16.6 25.0



#4

Chloromethane

Concen: 0.536 ppbv

RT: 1.534 min Scan# 447

Delta R.T. -0.000 min

Lab File: VL042549.D

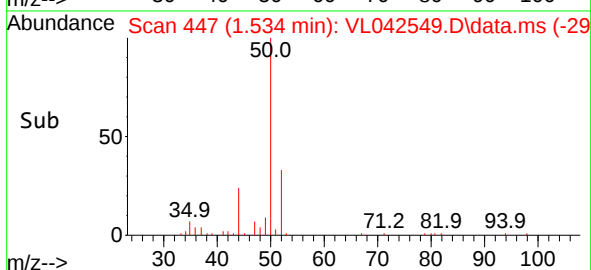
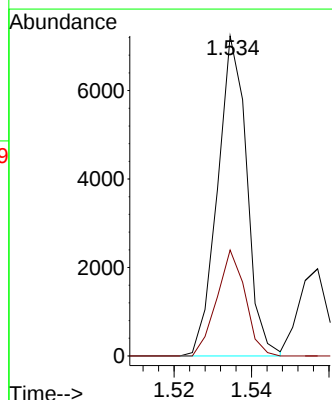
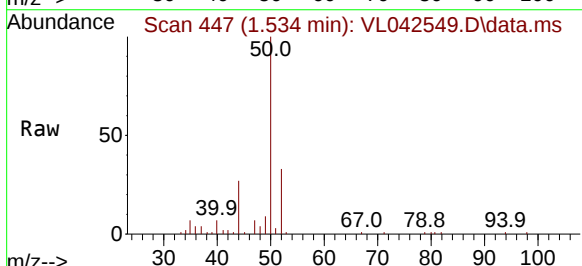
Acq: 20 May 2025 10:50

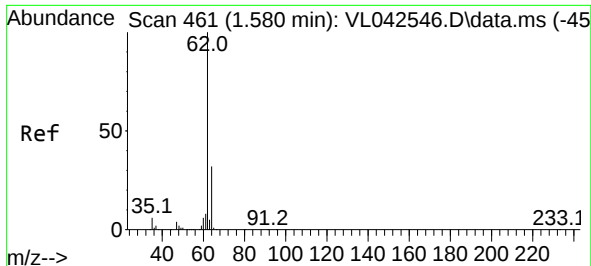
Tgt Ion: 50 Resp: 3786

Ion Ratio Lower Upper

50 100

52 33.1 26.9 40.3

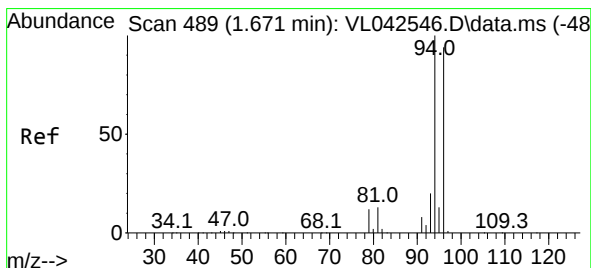
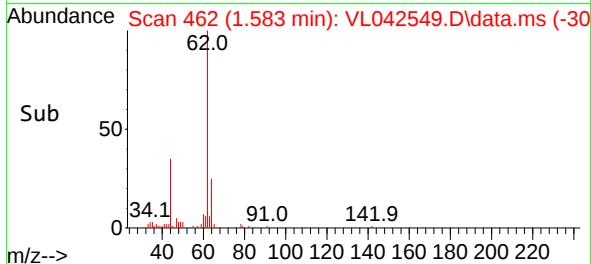
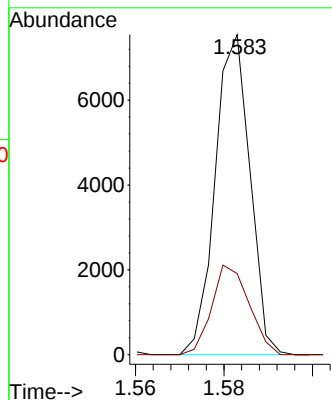
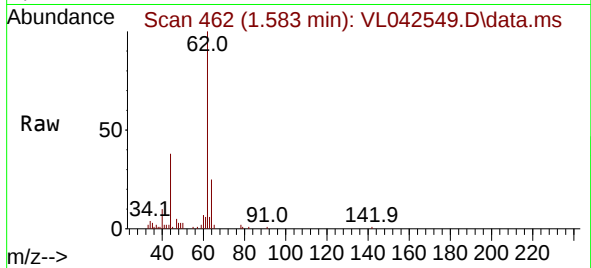




#5
 Vinyl Chloride
 Concen: 0.529 ppbv
 RT: 1.583 min Scan# 4119
 Delta R.T. 0.003 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

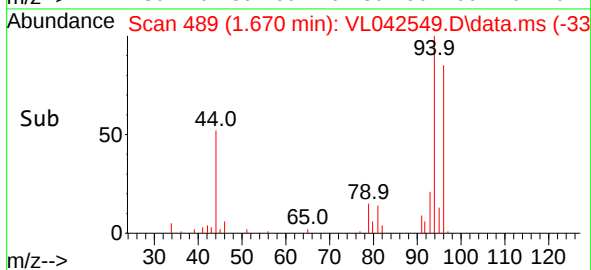
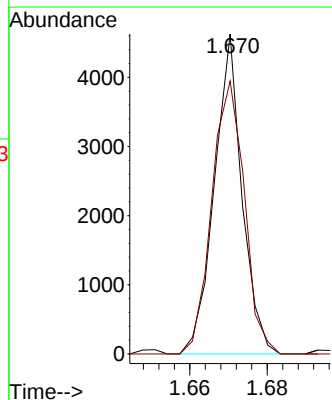
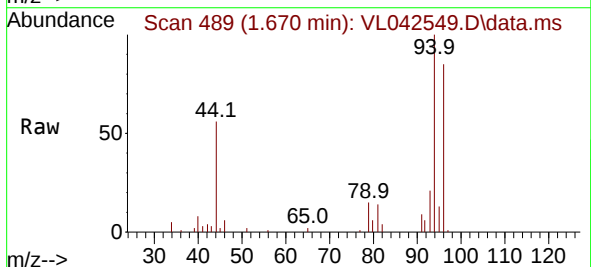
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

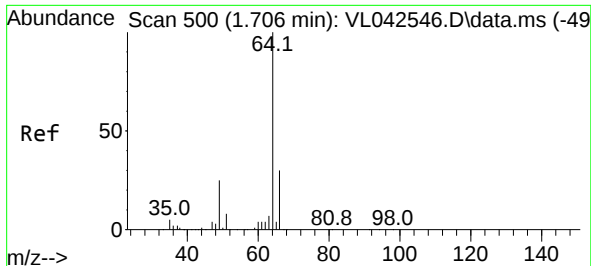
Tgt Ion: 62 Resp: 4119
 Ion Ratio Lower Upper
 62 100
 64 25.3 25.7 38.5#



#6
 Bromomethane
 Concen: 0.513 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion: 94 Resp: 2298
 Ion Ratio Lower Upper
 94 100
 96 85.3 74.9 112.3

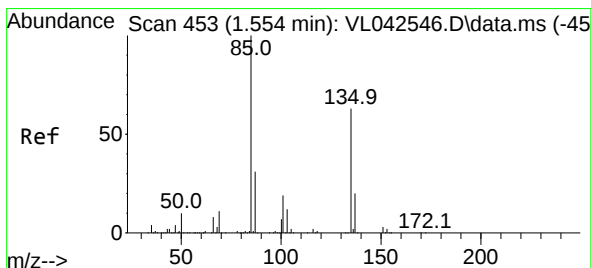
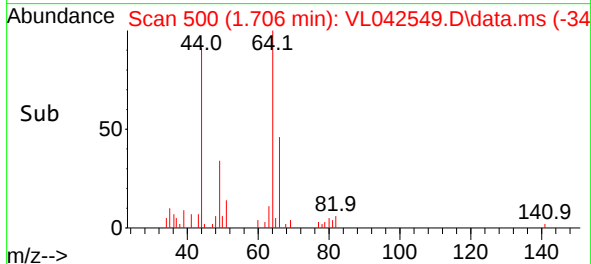
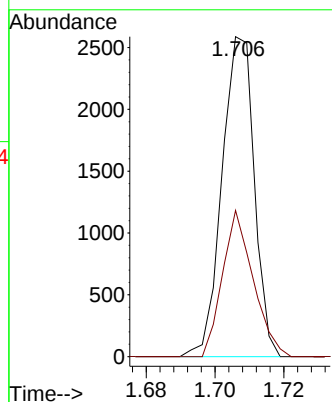
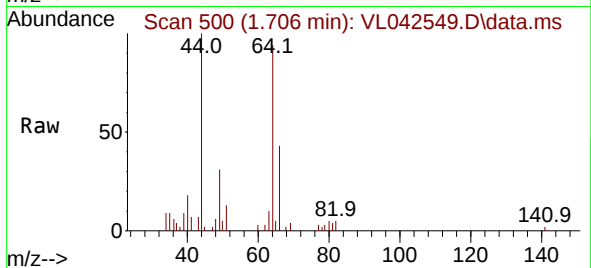




#7
Chloroethane
Concen: 0.538 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

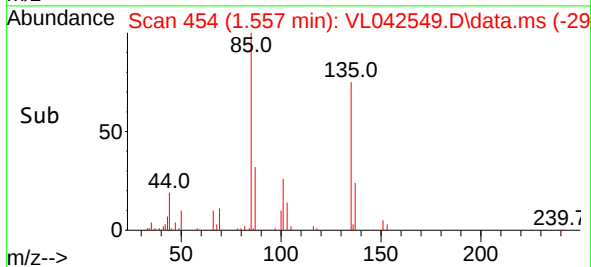
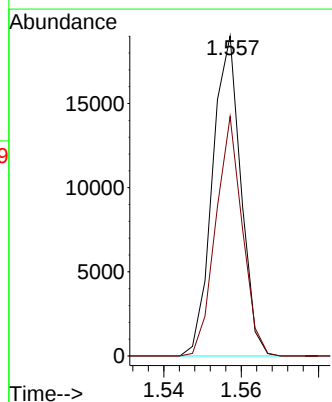
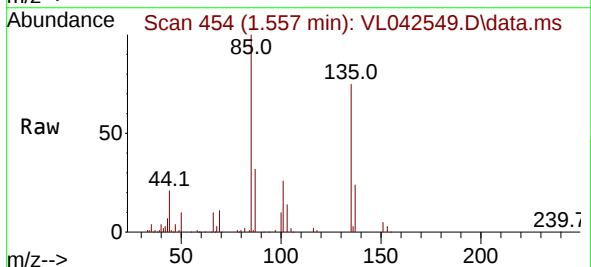
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

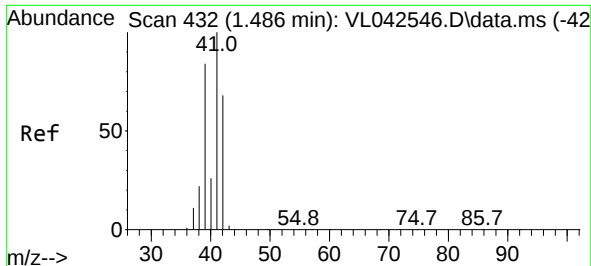
Tgt Ion: 64 Resp: 1686
Ion Ratio Lower Upper
64 100
66 45.7 24.4 36.6#



#8
Dichlorotetrafluoroethane
Concen: 0.520 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 85 Resp: 9669
Ion Ratio Lower Upper
85 100
135 70.3 57.2 85.8





#9

Propene

Concen: 0.486 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

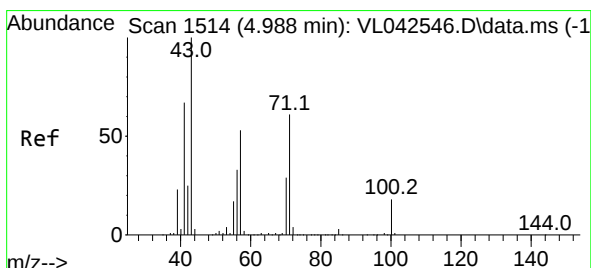
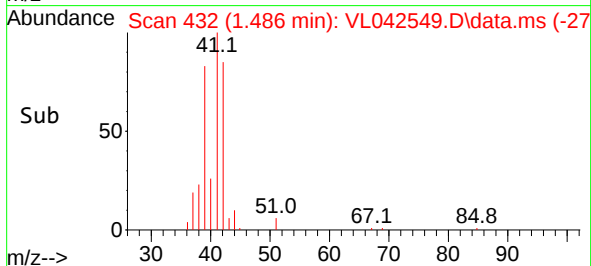
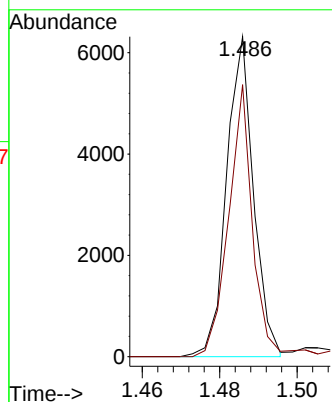
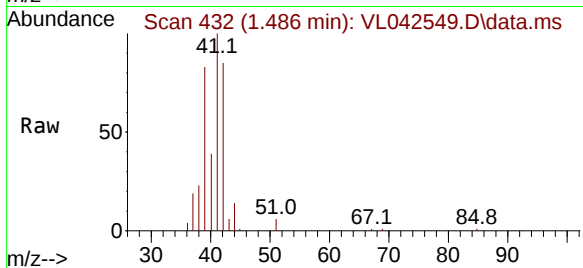
VSTDICC0.5

Tgt Ion: 41 Resp: 3051

Ion Ratio Lower Upper

41 100

42 80.0 55.0 82.4



#10

Heptane

Concen: 0.433 ppbv

RT: 4.991 min Scan# 1515

Delta R.T. 0.003 min

Lab File: VL042549.D

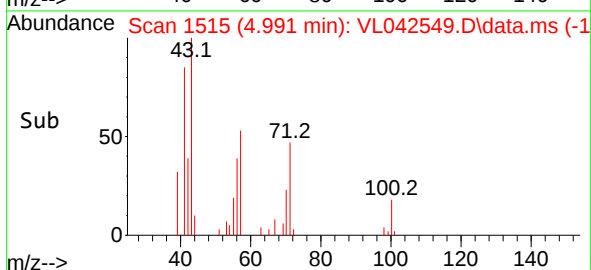
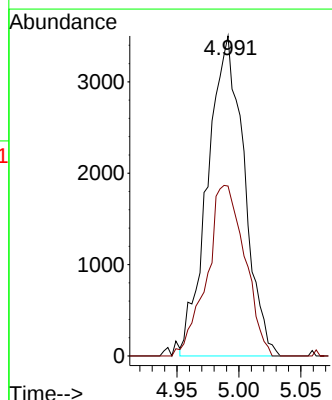
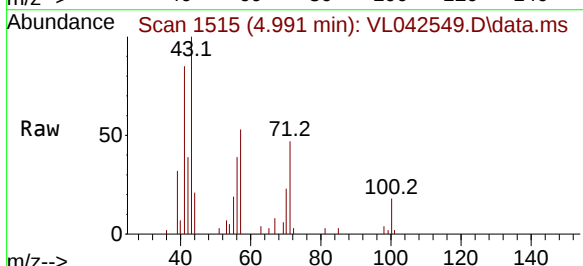
Acq: 20 May 2025 10:50

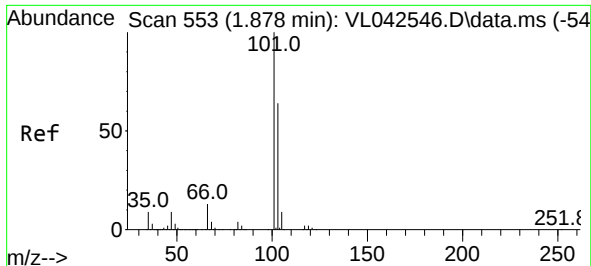
Tgt Ion: 43 Resp: 7166

Ion Ratio Lower Upper

43 100

57 55.3 43.4 65.0

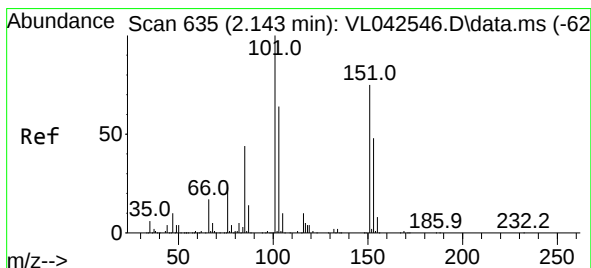
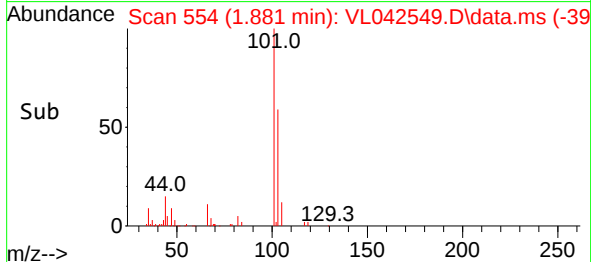
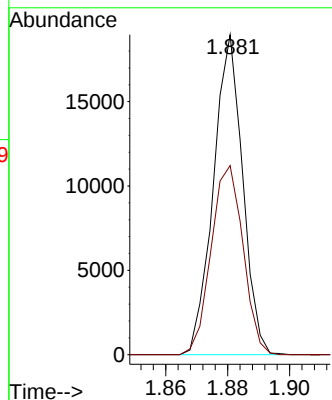
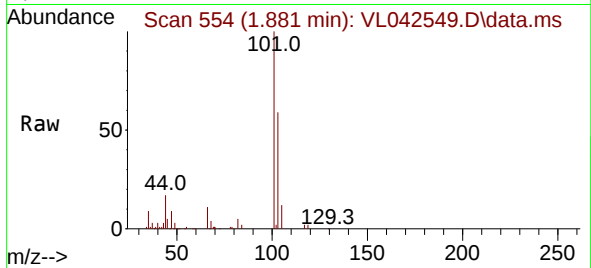




#11
Trichlorofluoromethane
Concen: 0.542 ppbv
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

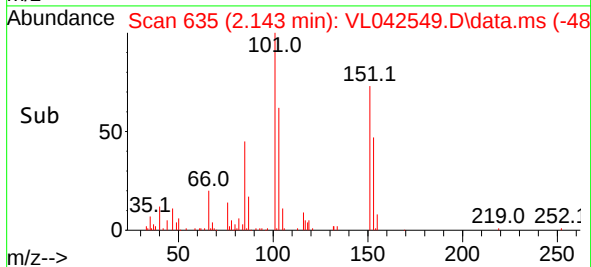
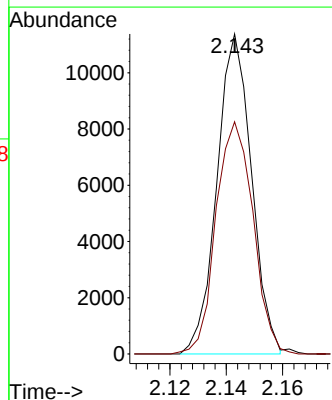
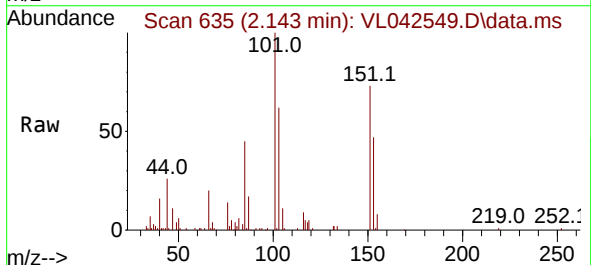
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

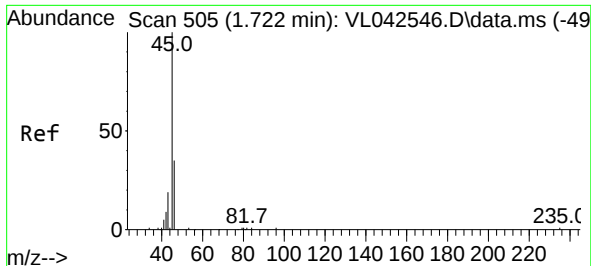
Tgt Ion:101 Resp: 12411
Ion Ratio Lower Upper
101 100
103 59.1 51.5 77.3



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.526 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion:101 Resp: 9707
Ion Ratio Lower Upper
101 100
151 77.9 59.5 89.3

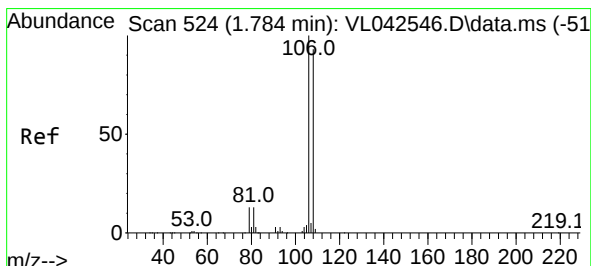
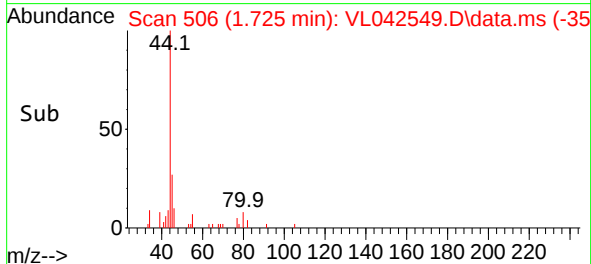
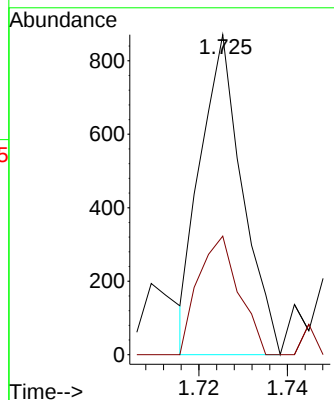
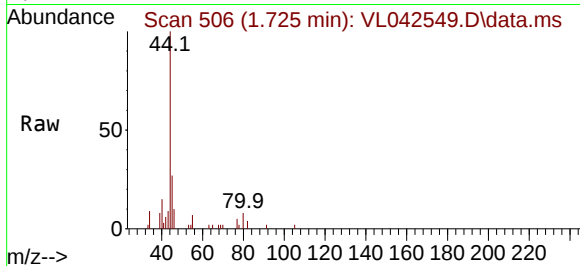




#13
 Ethanol
 Concen: 0.633 ppbv
 RT: 1.725 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

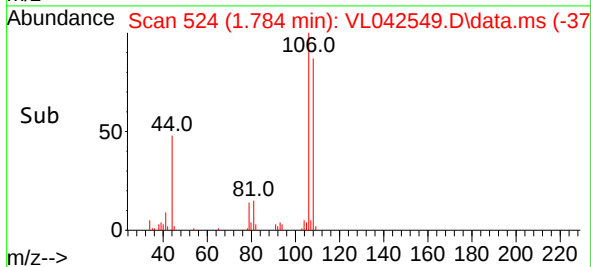
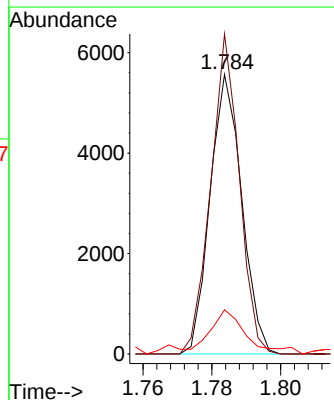
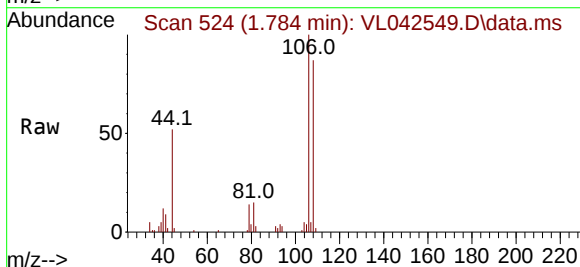
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

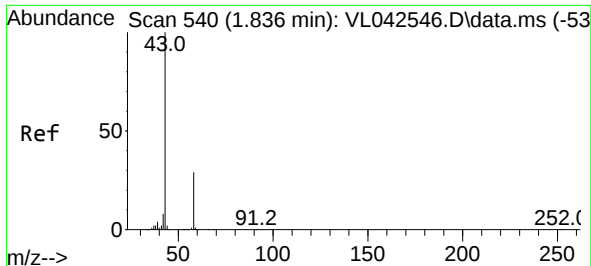
Tgt Ion: 45 Resp: 576
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.3#



#14
 Bromoethene
 Concen: 0.510 ppbv
 RT: 1.784 min Scan# 524
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion: 108 Resp: 3556
 Ion Ratio Lower Upper
 108 100
 106 103.2 86.4 129.6
 79 21.3 11.9 17.9#

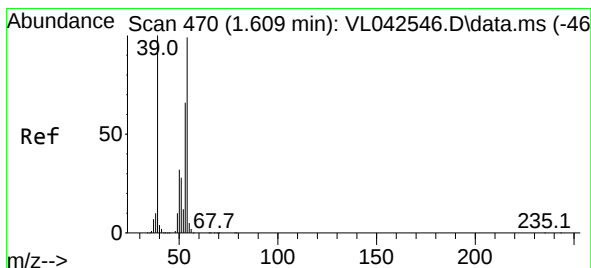
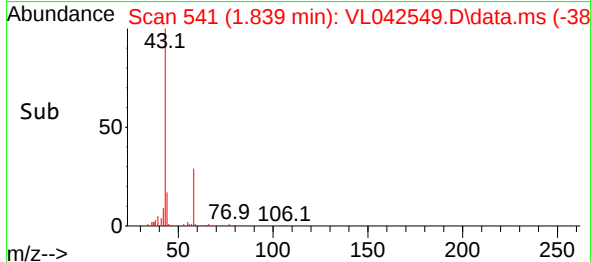
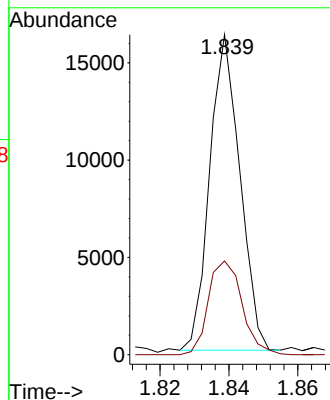
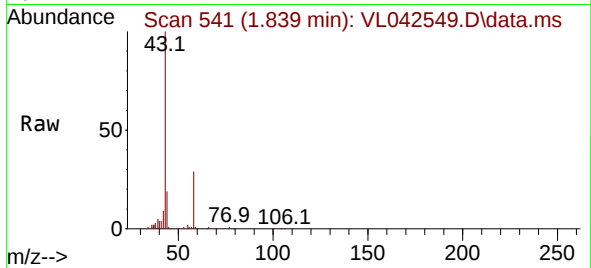




#15
Acetone
Concen: 0.603 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

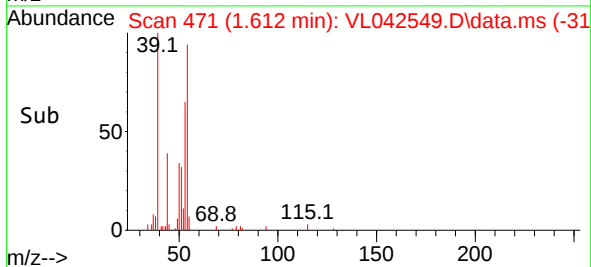
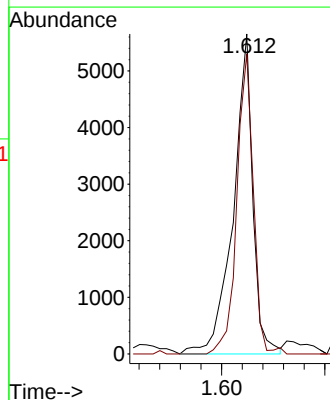
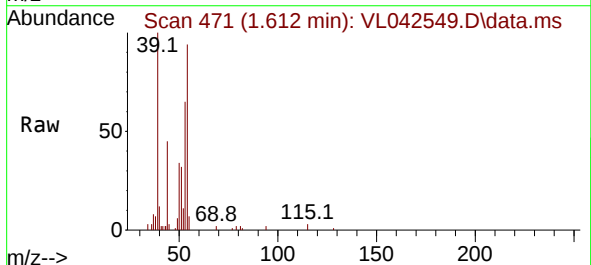
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

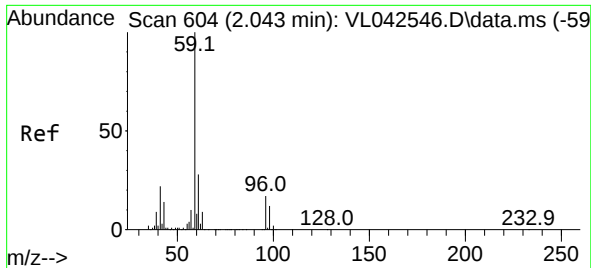
Tgt Ion: 43 Resp: 9858
Ion Ratio Lower Upper
43 100
58 33.7 24.2 36.2



#16
1,3-Butadiene
Concen: 0.558 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 39 Resp: 3704
Ion Ratio Lower Upper
39 100
54 79.1 71.8 107.8





#17

tert-Butyl alcohol

Concen: 0.531 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

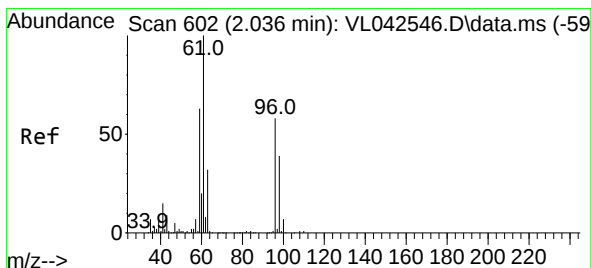
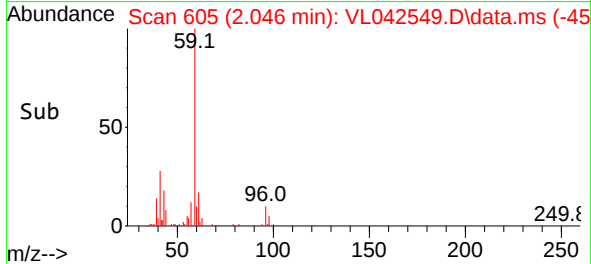
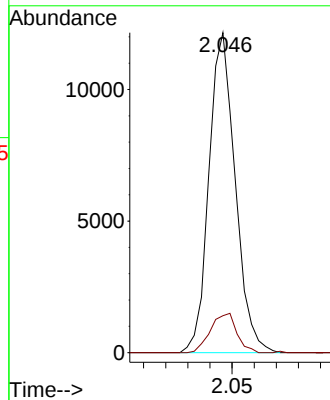
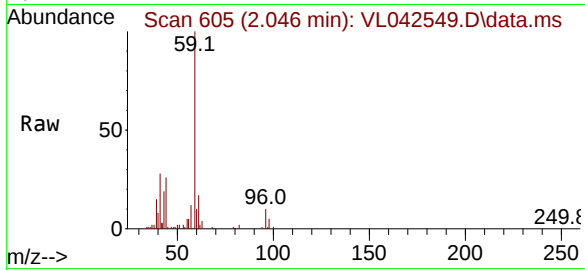
VSTDIC0.5

Tgt Ion: 59 Resp: 10041

Ion Ratio Lower Upper

59 100

57 12.4 8.2 12.2#



#18

1,1-Dichloroethene

Concen: 0.582 ppbv

RT: 2.344 min Scan# 697

Delta R.T. 0.307 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

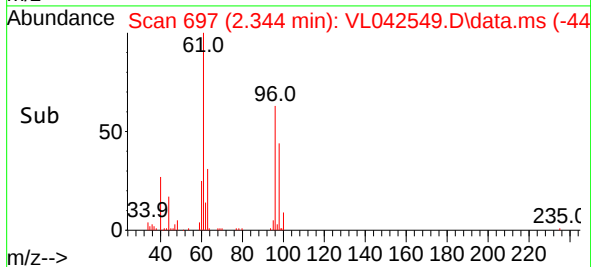
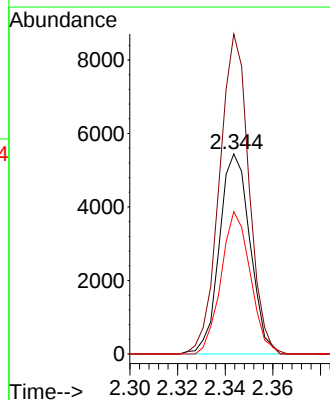
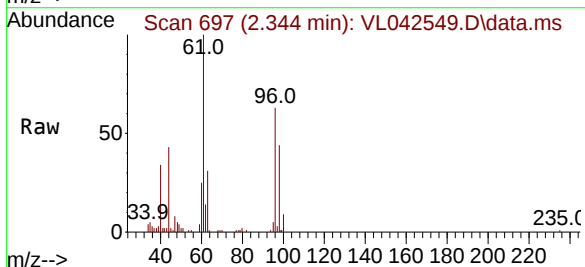
Tgt Ion: 96 Resp: 4858

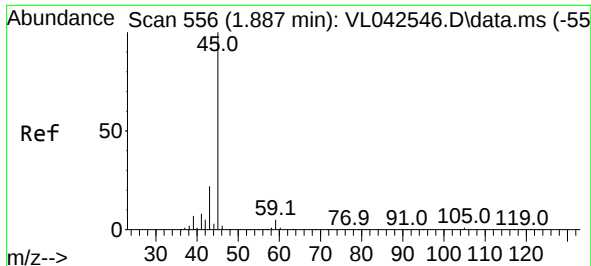
Ion Ratio Lower Upper

96 100

61 160.0 137.5 206.3

98 71.1 53.2 79.8

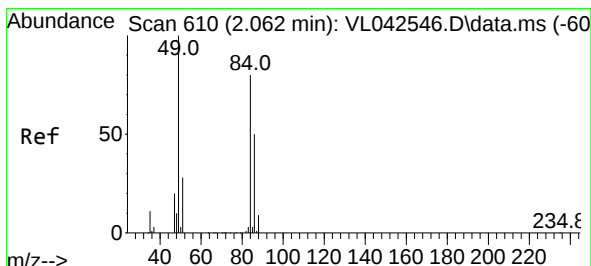
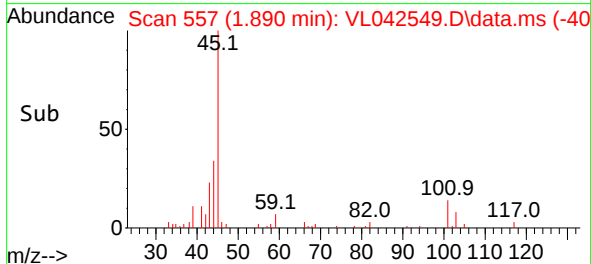
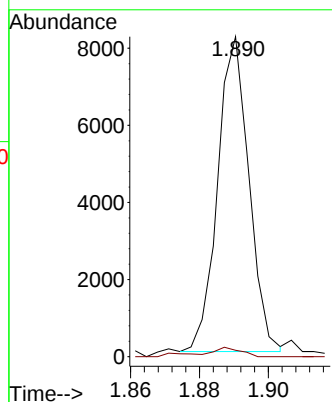
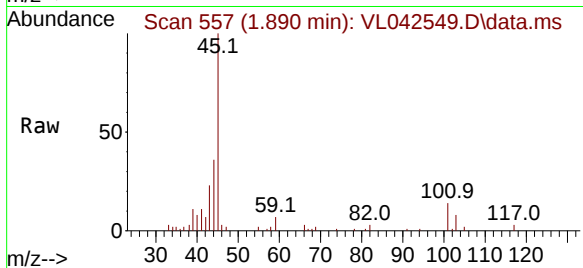




#19
Isopropyl Alcohol
Concen: 0.554 ppbv
RT: 1.890 min Scan# 514
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

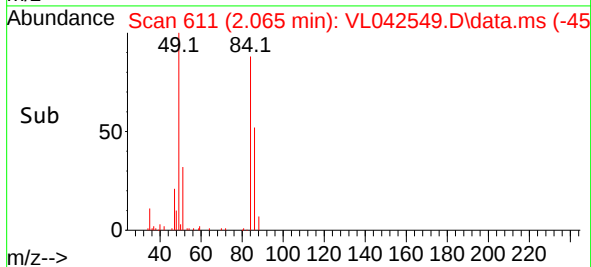
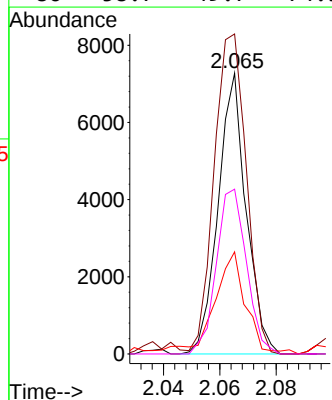
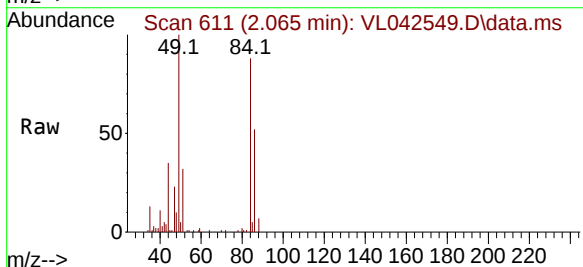
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

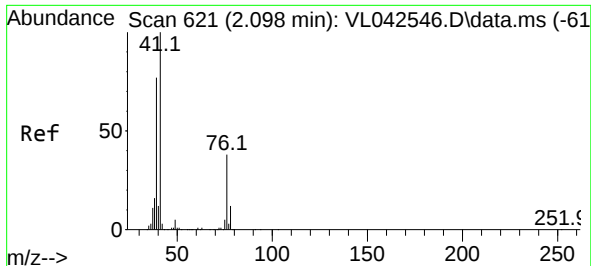
Tgt Ion: 45 Resp: 5148
Ion Ratio Lower Upper
45 100
58 3.6 35.3 52.9#



#20
Methylene Chloride
Concen: 0.636 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 84 Resp: 5037
Ion Ratio Lower Upper
84 100
49 114.0 99.7 149.5
51 35.4 29.7 44.5
86 58.7 49.7 74.5

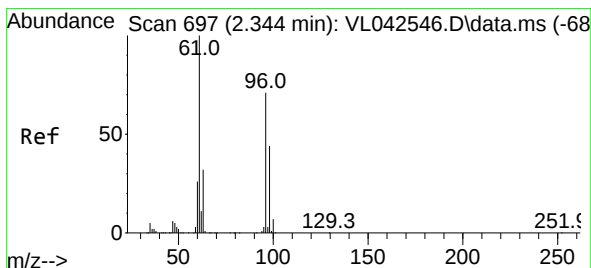
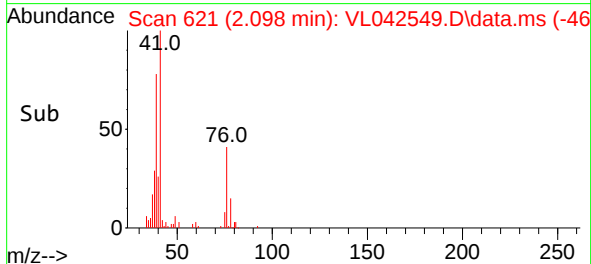
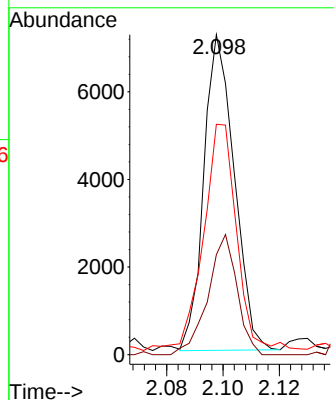
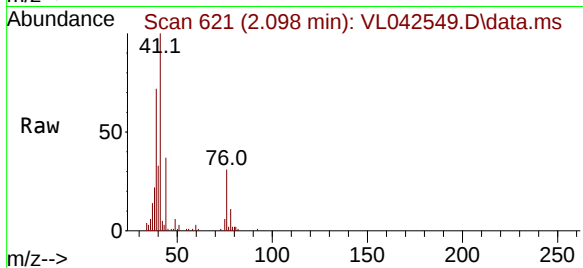




#21
 Allyl Chloride
 Concen: 0.516 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

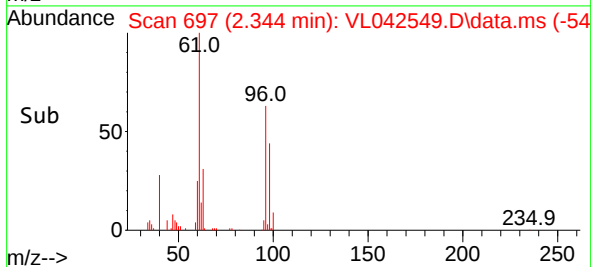
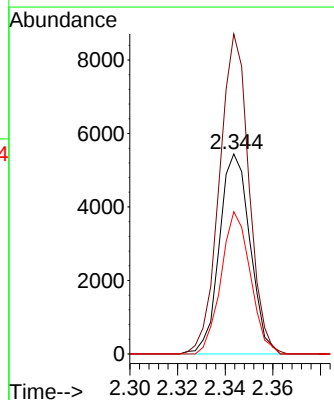
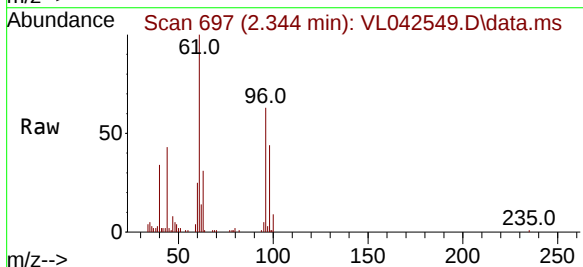
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

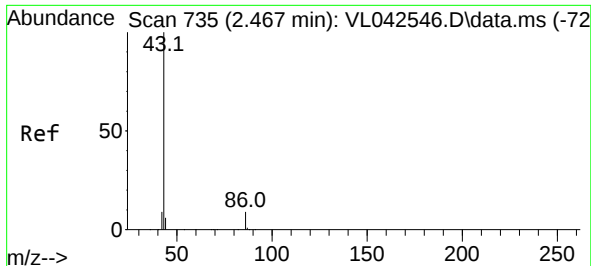
Tgt Ion: 41 Resp: 5408
 Ion Ratio Lower Upper
 41 100
 76 36.6 30.2 45.4
 39 81.3 62.5 93.7



#22
 trans-1,2-Dichloroethene
 Concen: 0.524 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion: 96 Resp: 4858
 Ion Ratio Lower Upper
 96 100
 61 160.0 112.5 168.7
 98 71.1 49.0 73.4

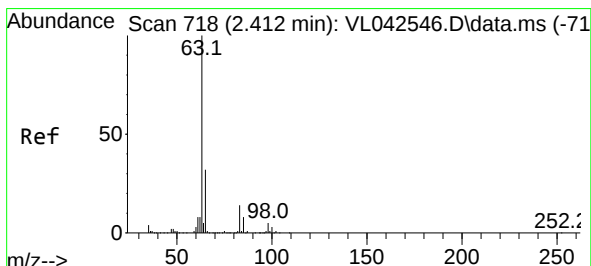
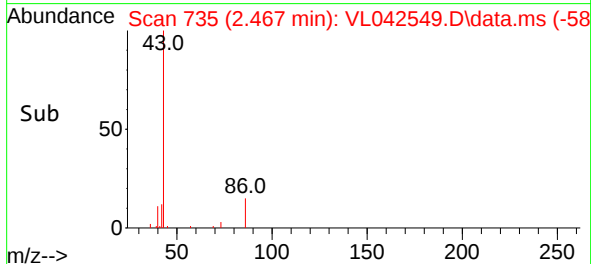
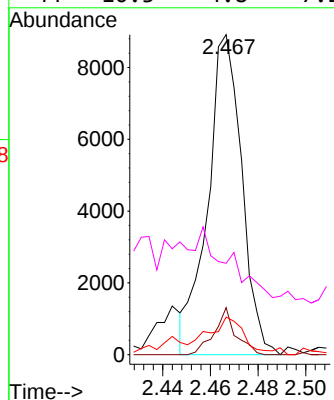
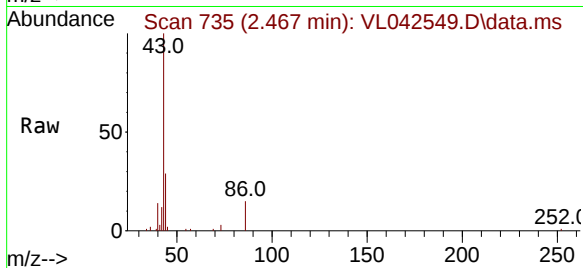




#23
 Vinyl Acetate
 Concen: 0.466 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

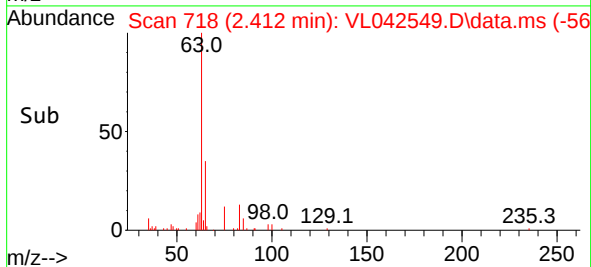
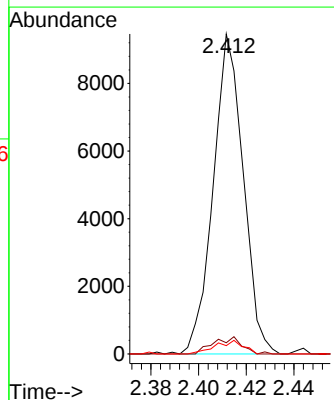
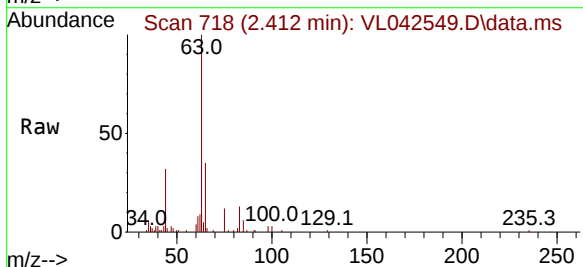
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

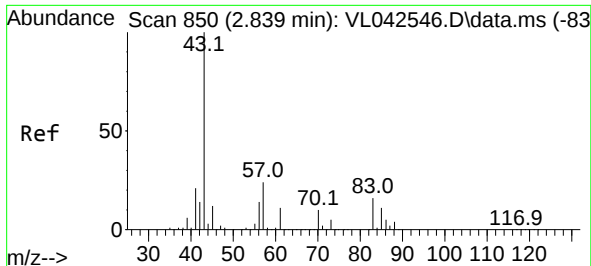
Tgt Ion:	43	Resp:	8843
Ion	Ratio	Lower	Upper
43	100		
86	14.7	7.0	10.6#
42	9.6	7.4	11.2
44	10.3	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.522 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion:	63	Resp:	8281
Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.6	7.8
100	2.6	1.8	5.3





#25

Ethyl Acetate

Concen: 0.480 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 15167

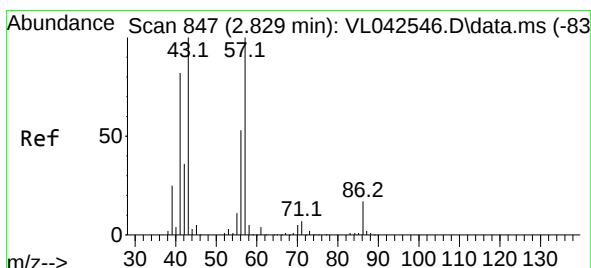
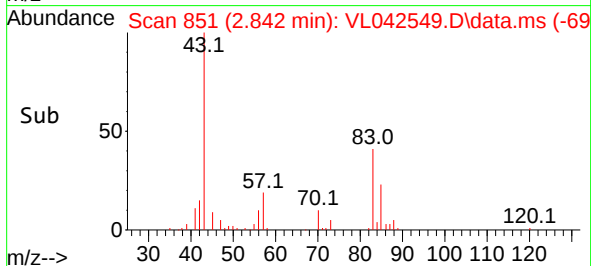
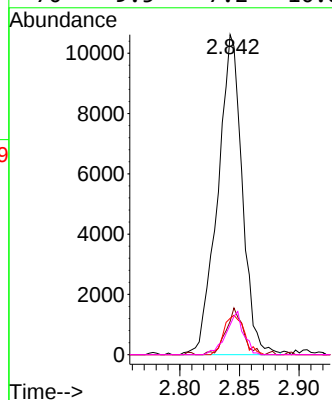
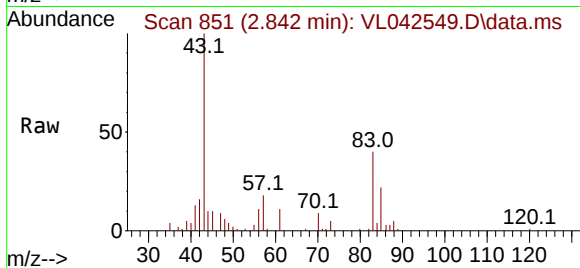
Ion Ratio Lower Upper

43 100

45 10.5 8.0 12.0

61 10.2 7.5 11.3

70 9.5 7.2 10.8



#26

Hexane

Concen: 0.461 ppbv

RT: 2.829 min Scan# 847

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Tgt Ion: 57 Resp: 6591

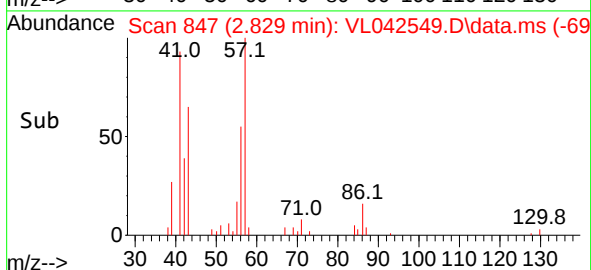
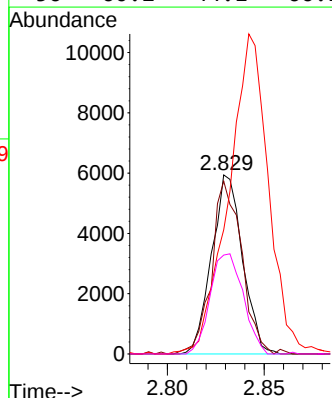
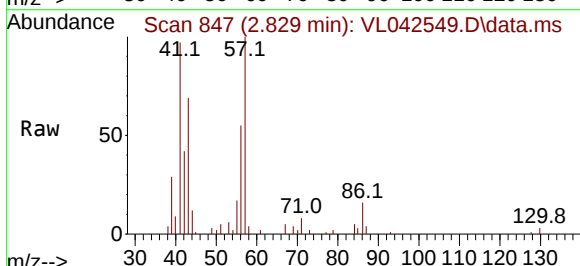
Ion Ratio Lower Upper

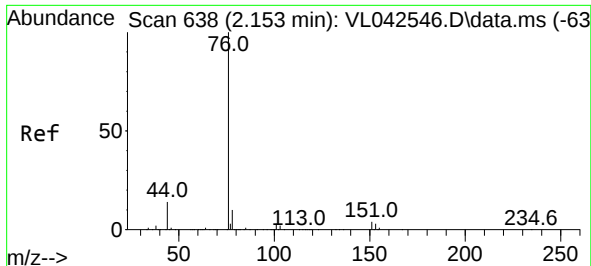
57 100

41 94.5 69.0 103.4

43 230.7 174.2 261.2

56 60.2 44.1 66.1





#27

Carbon Disulfide

Concen: 0.480 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

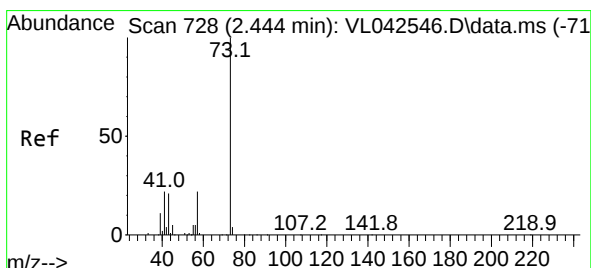
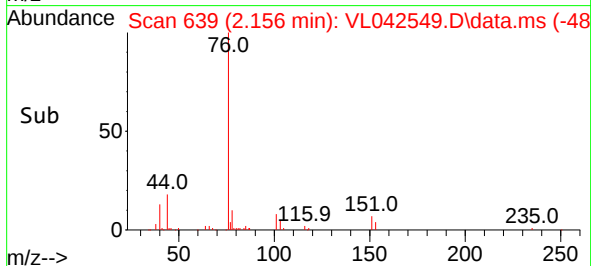
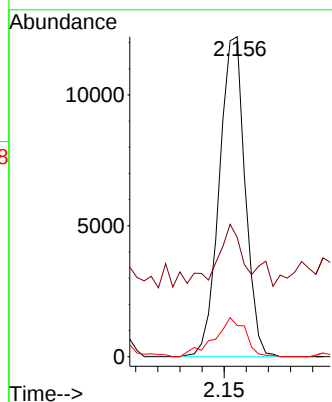
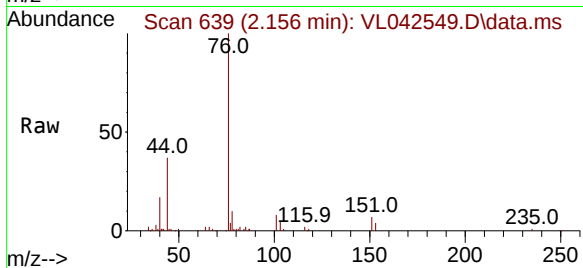
Tgt Ion: 76 Resp: 9926

Ion Ratio Lower Upper

76 100

44 59.5 14.0 21.0#

78 14.7 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.513 ppbv

RT: 2.447 min Scan# 729

Delta R.T. 0.003 min

Lab File: VL042549.D

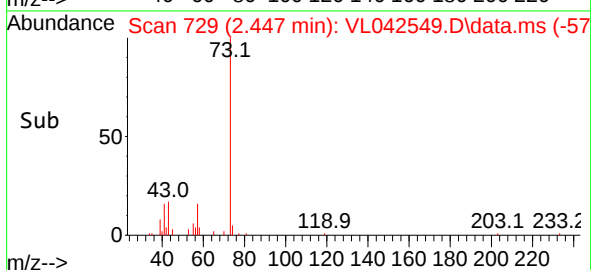
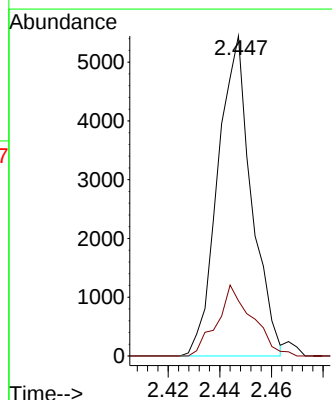
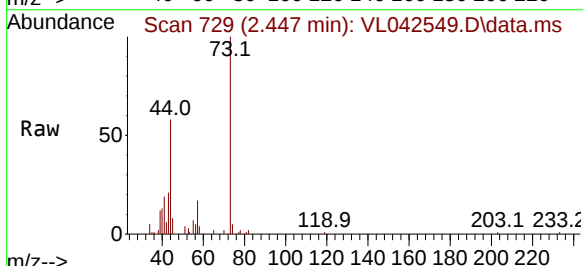
Acq: 20 May 2025 10:50

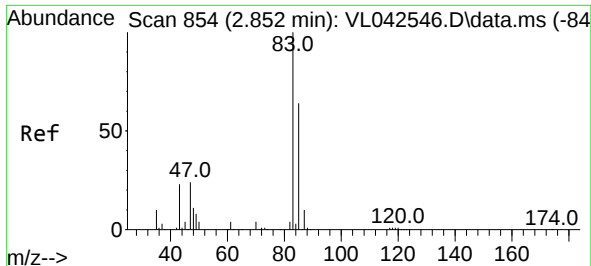
Tgt Ion: 73 Resp: 4938

Ion Ratio Lower Upper

73 100

57 23.2 17.2 25.8





#29

Chloroform

Concen: 0.527 ppbv

RT: 2.852 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

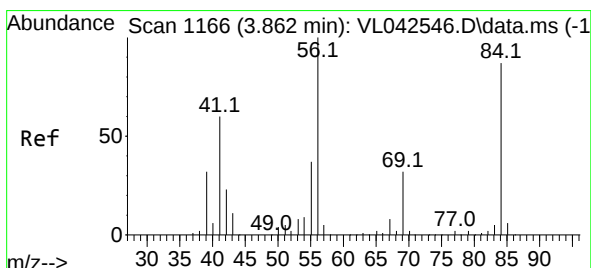
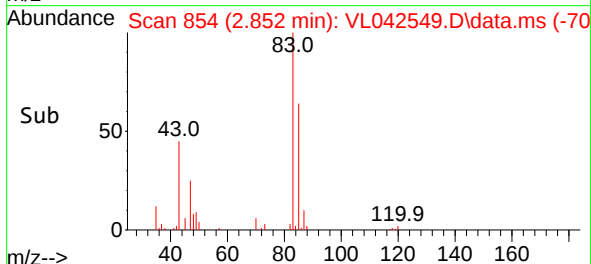
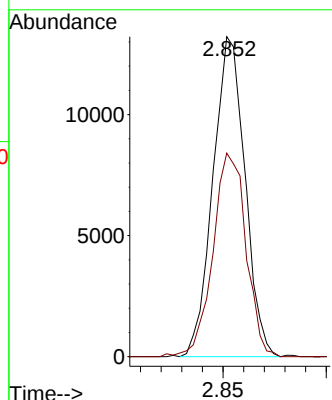
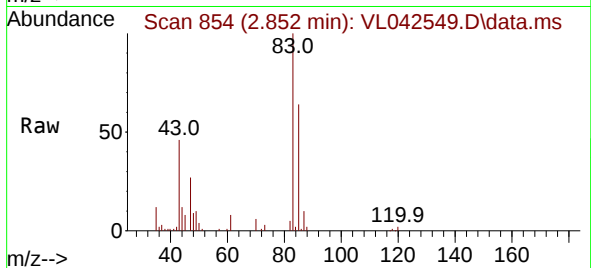
VSTDICC0.5

Tgt Ion: 83 Resp: 14227

Ion Ratio Lower Upper

83 100

85 63.6 51.6 77.4



#30

Cyclohexane

Concen: 0.424 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

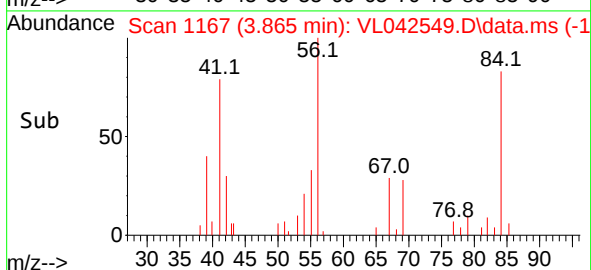
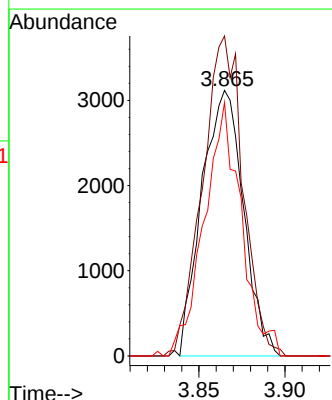
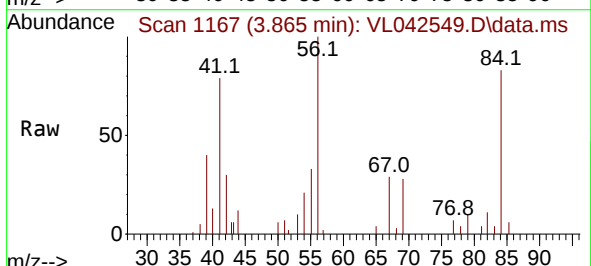
Tgt Ion: 84 Resp: 5242

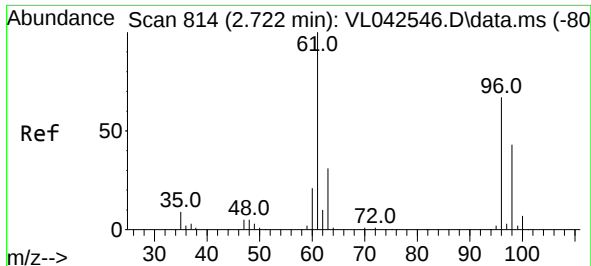
Ion Ratio Lower Upper

84 100

56 117.6 92.3 138.5

41 84.8 57.0 85.4

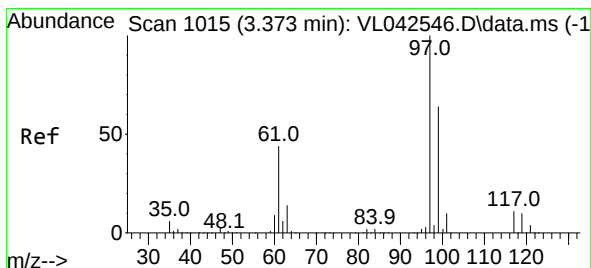
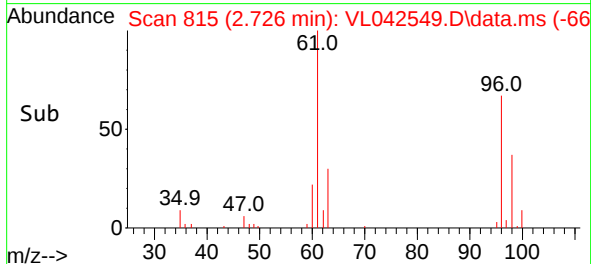
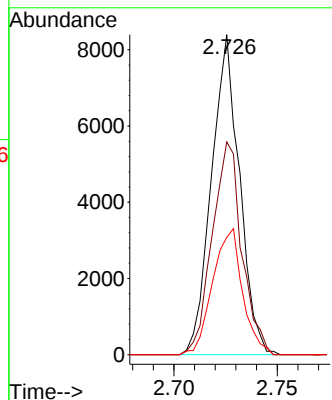
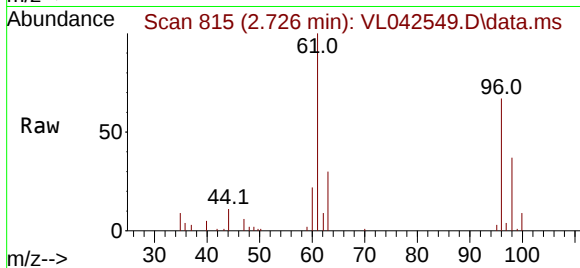




#31
 cis-1,2-Dichloroethene
 Concen: 0.504 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

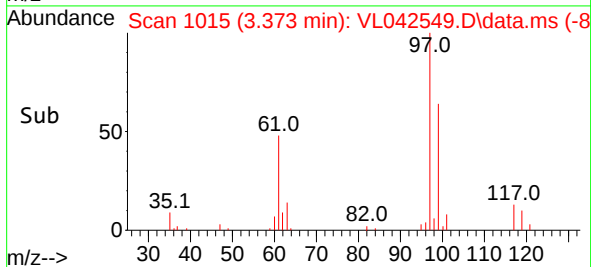
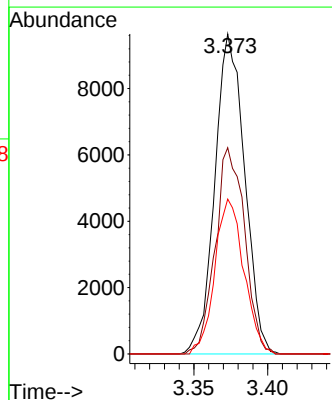
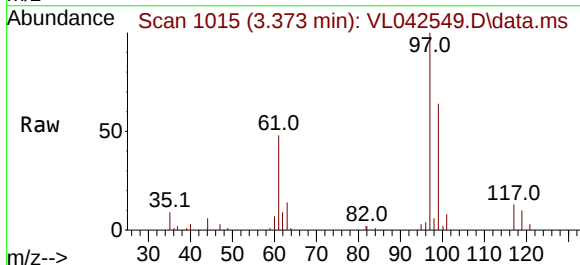
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

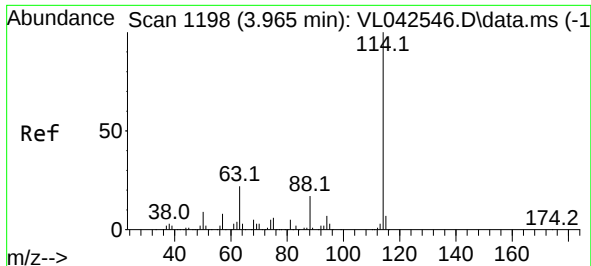
Tgt Ion: 61 Resp: 7923
 Ion Ratio Lower Upper
 61 100
 96 66.5 53.8 80.8
 98 36.7 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 0.492 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion: 97 Resp: 13575
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.5 77.3
 61 47.2 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: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

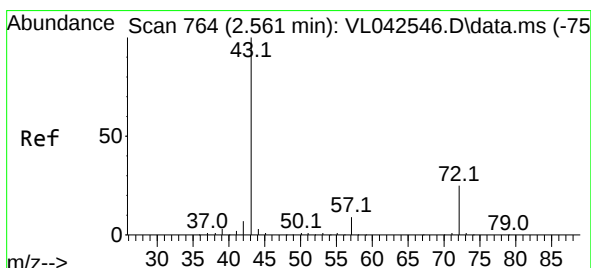
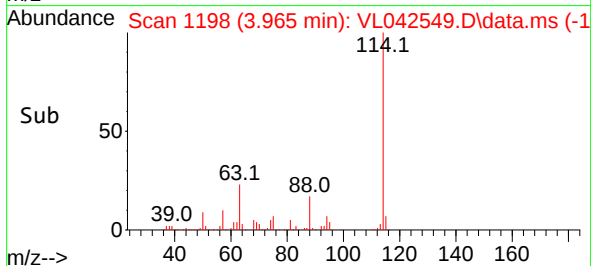
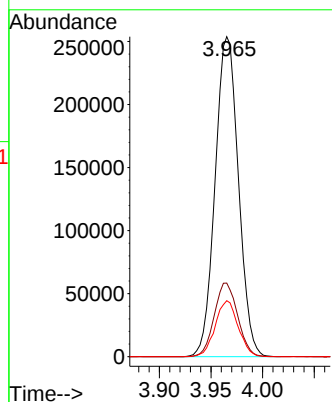
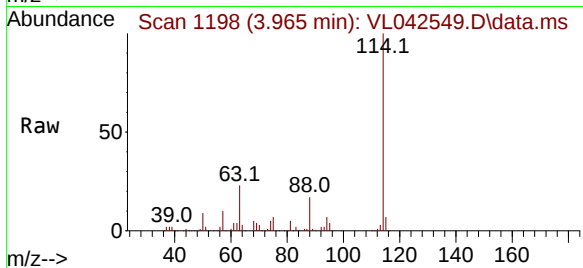
Tgt Ion:114 Resp: 398840

Ion Ratio Lower Upper

114 100

63 23.1 18.4 27.6

88 17.2 14.0 21.0



#34

2-Butanone

Concen: 0.502 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042549.D

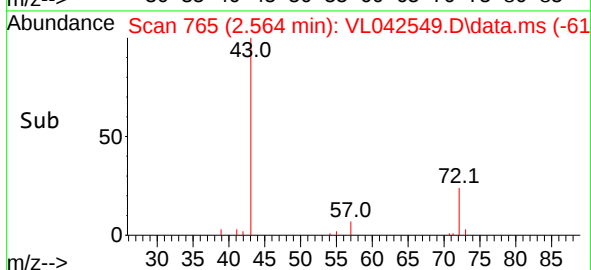
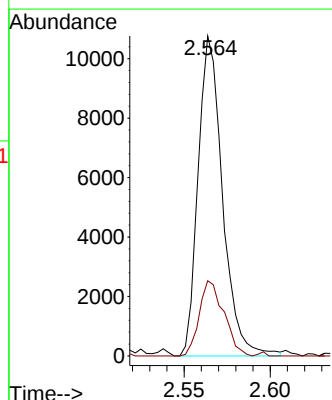
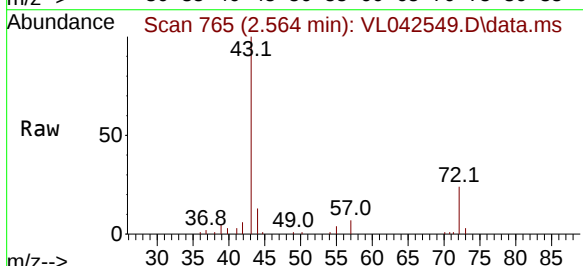
Acq: 20 May 2025 10:50

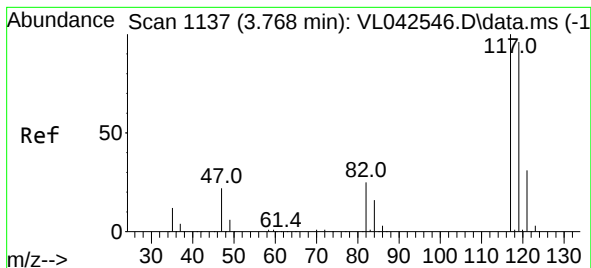
Tgt Ion: 43 Resp: 10625

Ion Ratio Lower Upper

43 100

72 24.0 20.5 30.7





#35

Carbon Tetrachloride

Concen: 0.489 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

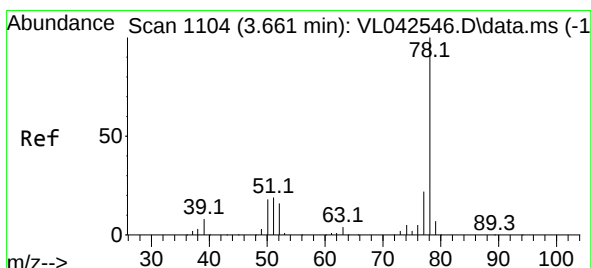
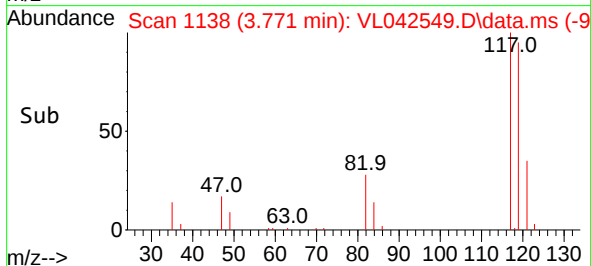
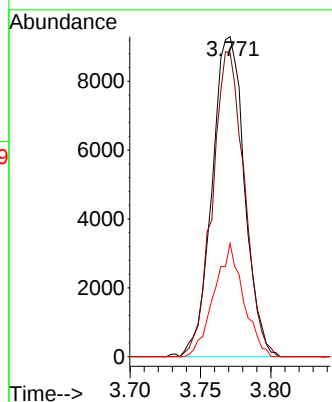
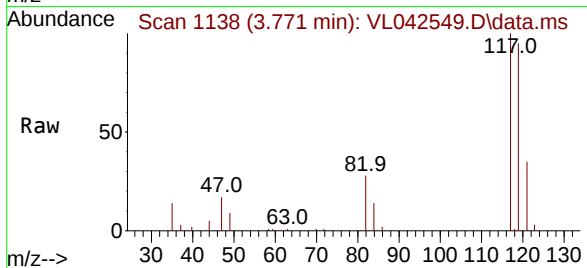
Tgt Ion:117 Resp: 14866

Ion Ratio Lower Upper

117 100

119 94.9 76.6 114.8

121 35.4 24.7 37.1



#36

Benzene

Concen: 0.484 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

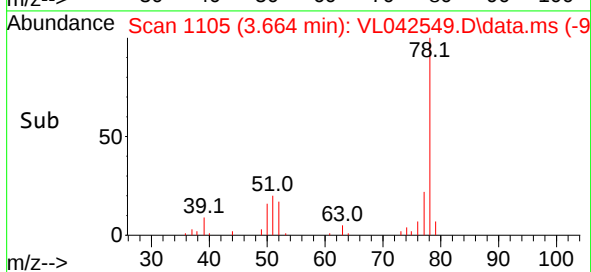
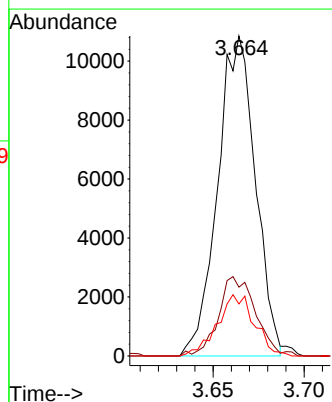
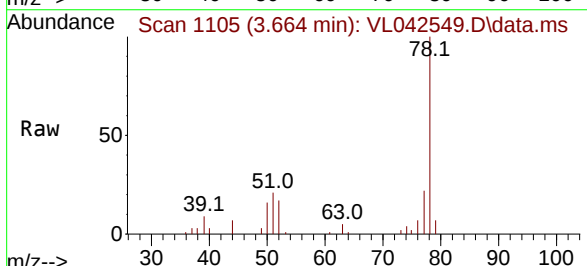
Tgt Ion: 78 Resp: 15613

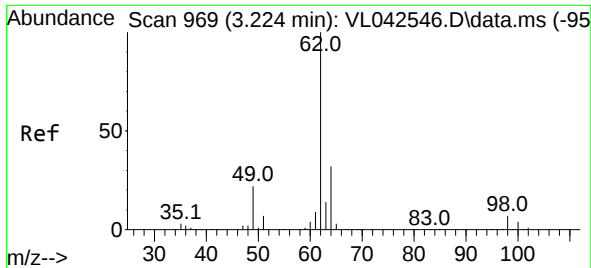
Ion Ratio Lower Upper

78 100

77 21.5 17.8 26.6

50 16.3 14.0 21.0

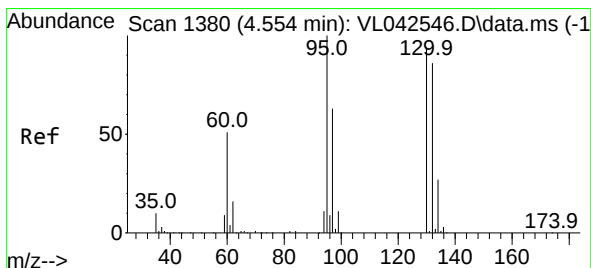
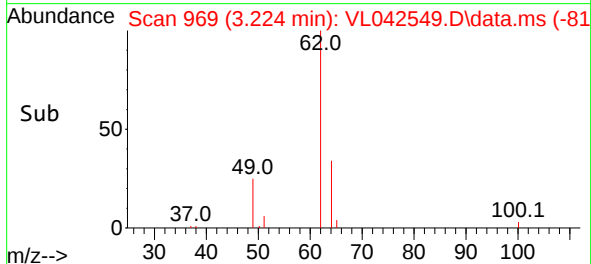
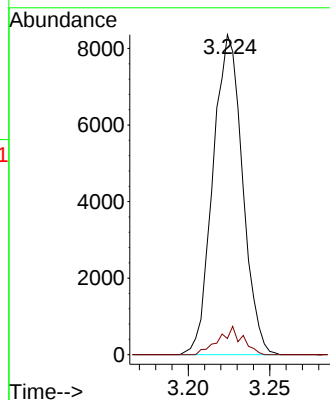
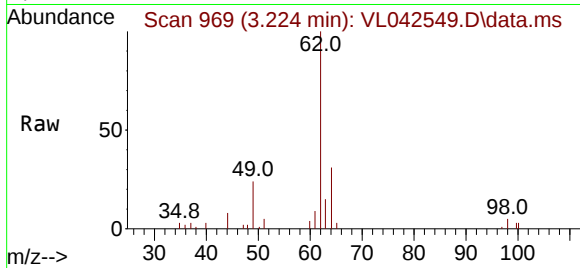




#37
1,2-Dichloroethane
Concen: 0.534 ppbv
RT: 3.224 min Scan# 969
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

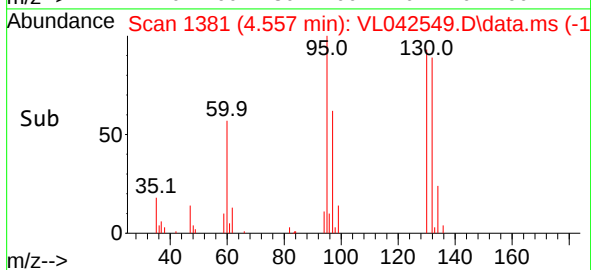
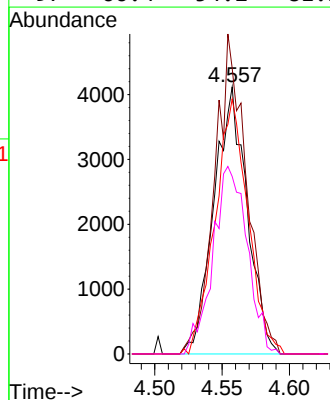
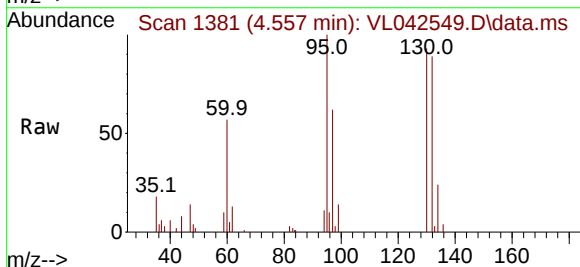
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

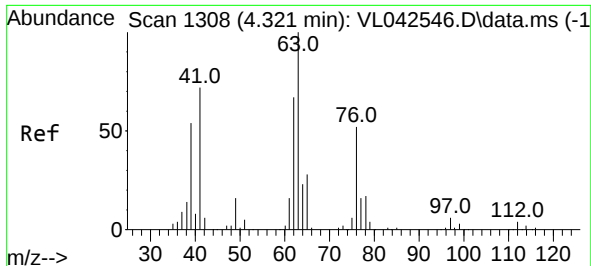
Tgt Ion: 62 Resp: 10538
Ion Ratio Lower Upper
62 100
98 7.1 5.5 8.3



#38
Trichloroethene
Concen: 0.479 ppbv
RT: 4.557 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 130 Resp: 7058
Ion Ratio Lower Upper
130 100
95 107.0 85.2 127.8
132 95.5 73.4 110.2
97 66.4 54.2 81.2





#39

1,2-Dichloropropane

Concen: 0.499 ppbv

RT: 4.324 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

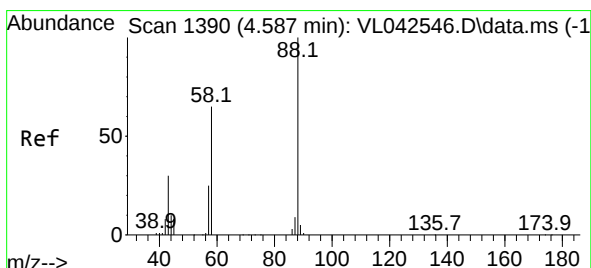
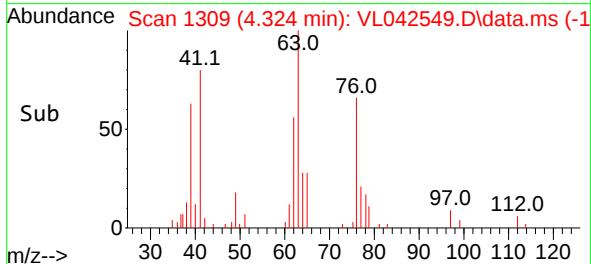
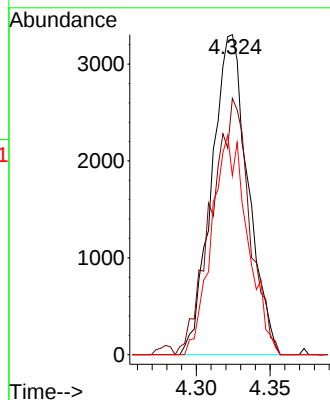
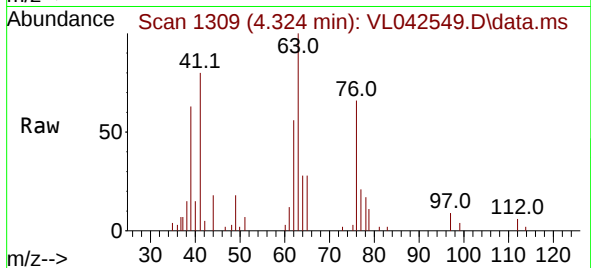
Tgt Ion: 63 Resp: 5653

Ion Ratio Lower Upper

63 100

41 80.1 58.0 87.0

62 55.9 53.3 79.9



#40

1,4-Dioxane

Concen: 0.159 ppbv

RT: 4.606 min Scan# 1396

Delta R.T. 0.019 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Tgt Ion: 88 Resp: 808

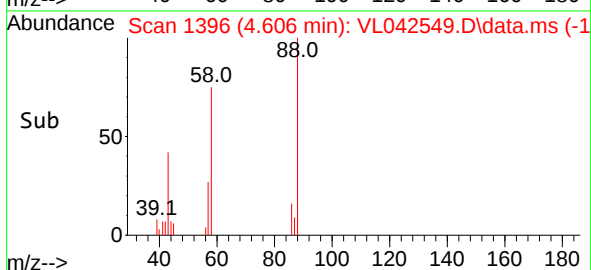
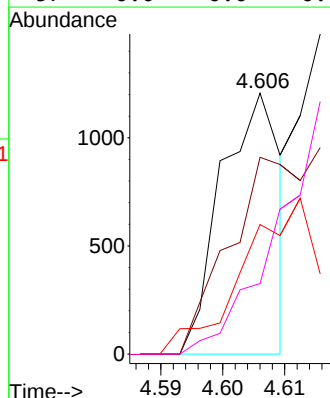
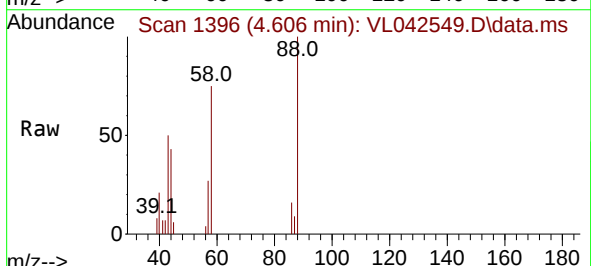
Ion Ratio Lower Upper

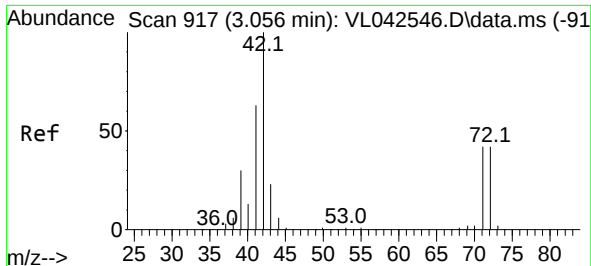
88 100

58 0.0 52.8 79.2#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

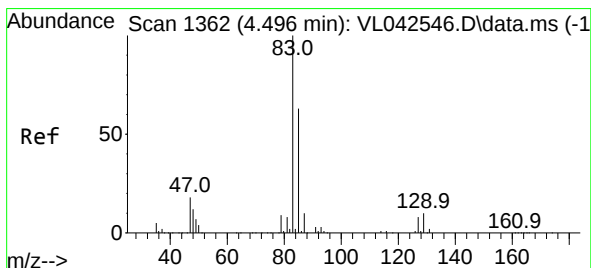
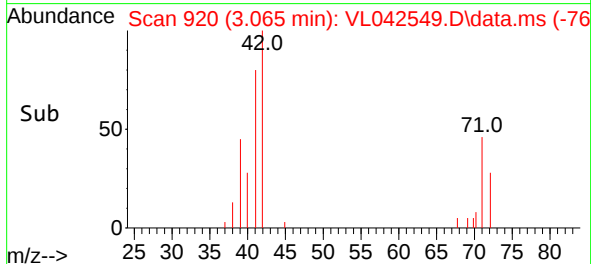
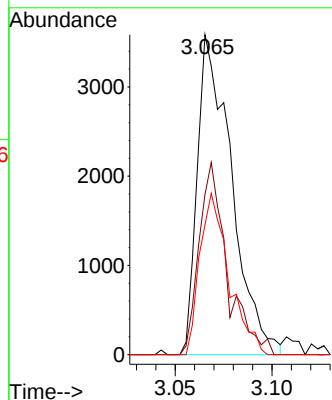
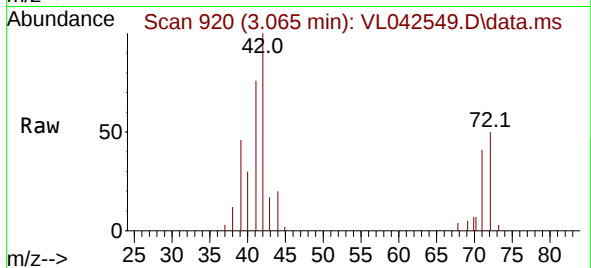




#41
Tetrahydrofuran
Concen: 0.426 ppbv
RT: 3.065 min Scan# 917
Delta R.T. 0.010 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

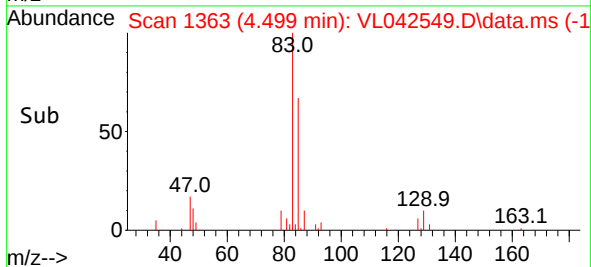
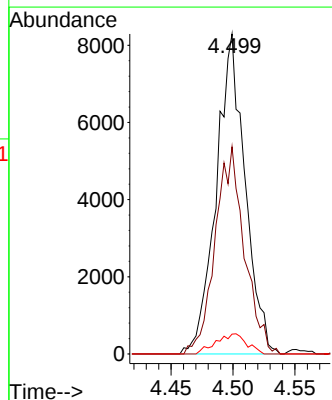
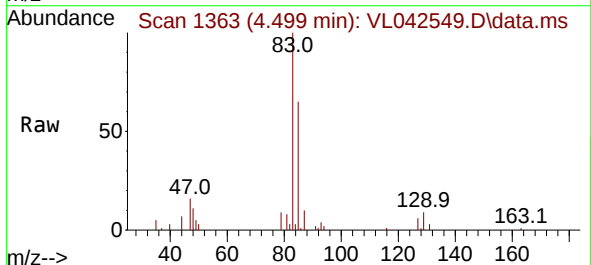
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

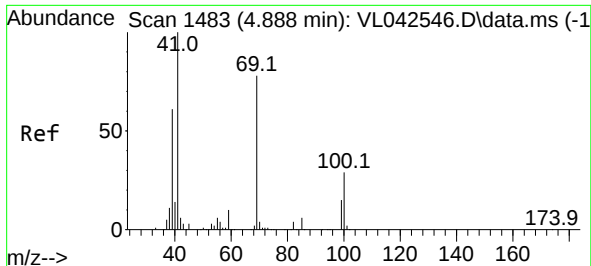
Tgt Ion: 42 Resp: 4400
Ion Ratio Lower Upper
42 100
72 49.3 34.8 52.2
71 43.0 33.6 50.4



#42
Bromodichloromethane
Concen: 0.484 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 83 Resp: 13457
Ion Ratio Lower Upper
83 100
85 64.8 50.4 75.6
127 6.2 6.5 9.7#

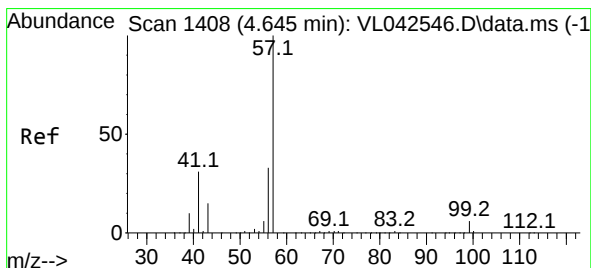
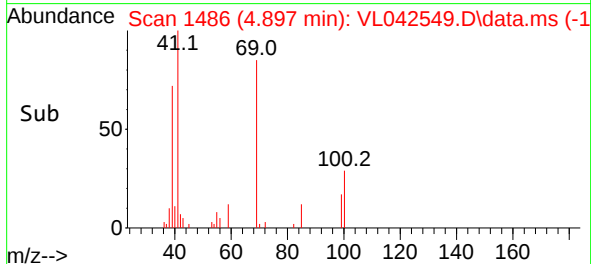
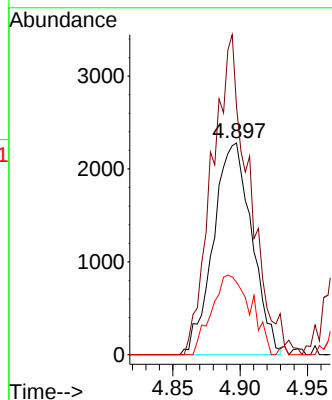
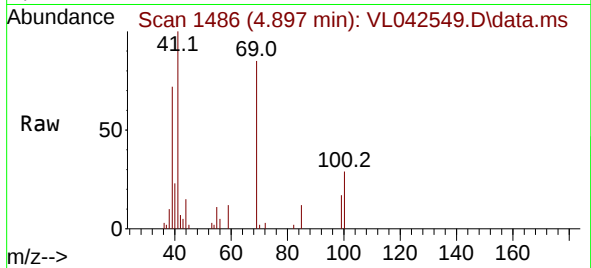




#43
Methyl Methacrylate
Concen: 0.415 ppbv
RT: 4.897 min Scan# 1486
Delta R.T. 0.010 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

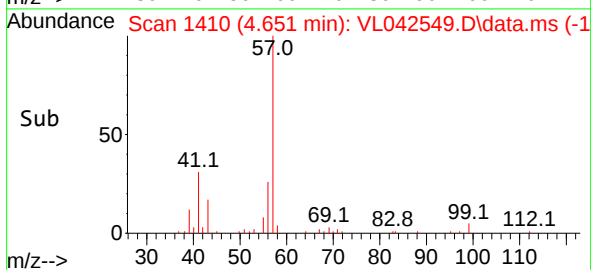
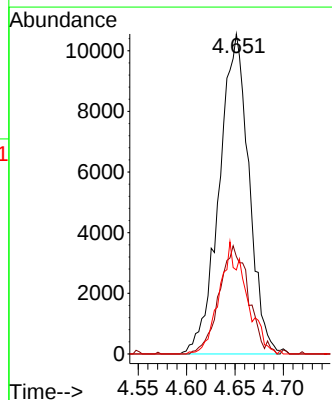
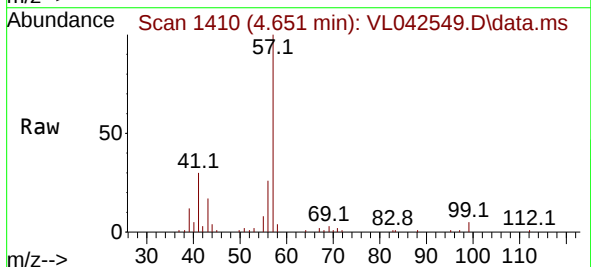
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

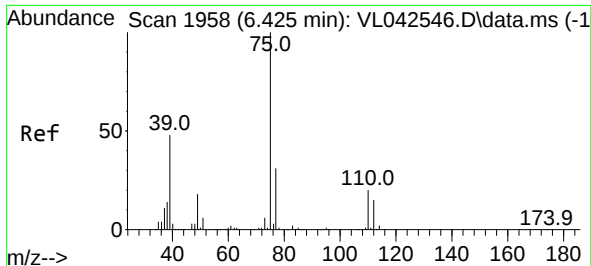
Tgt Ion: 69 Resp: 4535
Ion Ratio Lower Upper
69 100
41 146.2 107.8 161.8
100 38.9 30.3 45.5



#44
2,2,4-Trimethylpentane
Concen: 0.457 ppbv
RT: 4.651 min Scan# 1410
Delta R.T. 0.006 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 57 Resp: 22539
Ion Ratio Lower Upper
57 100
41 33.8 25.0 37.4
56 31.9 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.425 ppbv

RT: 6.428 min Scan# 1958

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

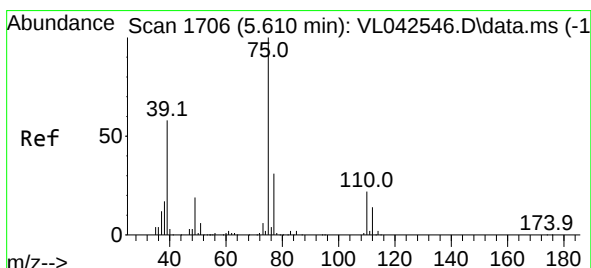
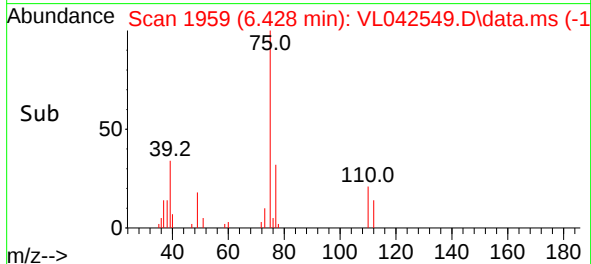
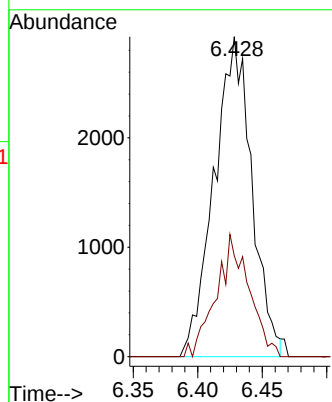
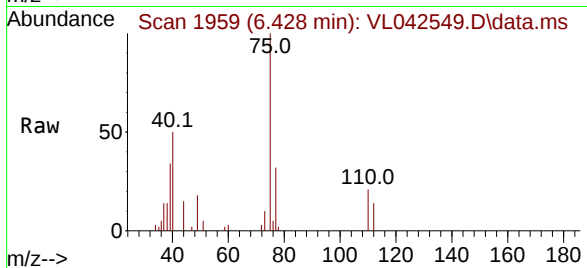
VSTDICC0.5

Tgt Ion: 75 Resp: 5928

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 0.272 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

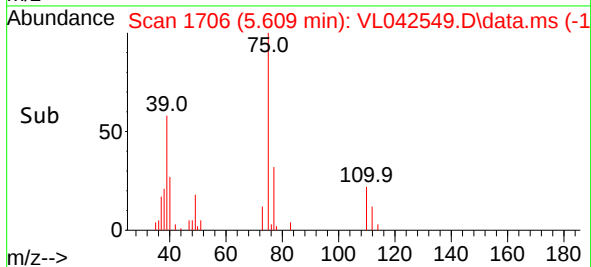
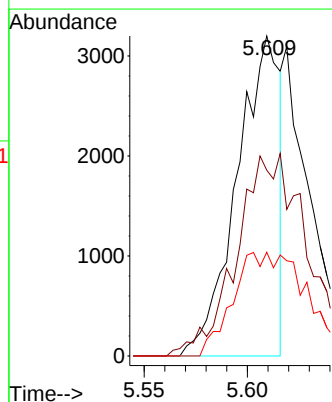
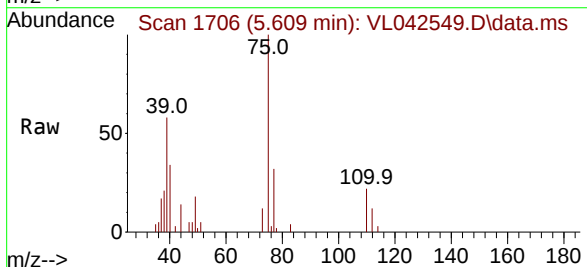
Tgt Ion: 75 Resp: 4611

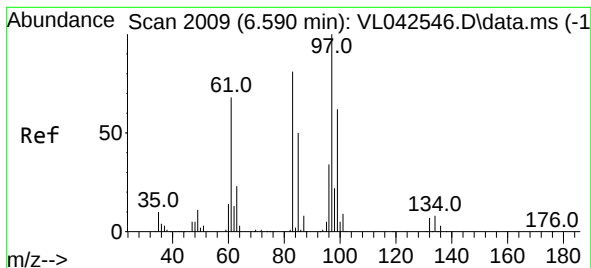
Ion Ratio Lower Upper

75 100

39 55.8 46.3 69.5

77 32.4 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 0.430 ppbv

RT: 6.593 min Scan# 2009

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 5833

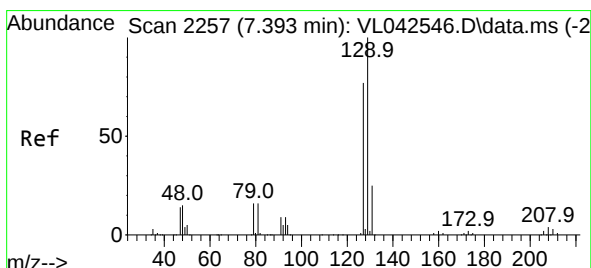
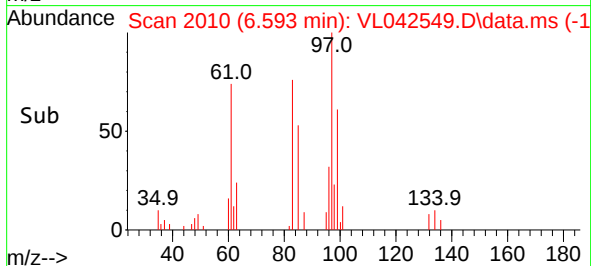
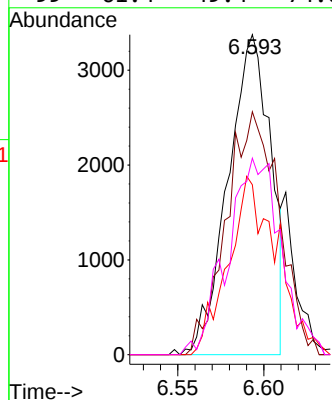
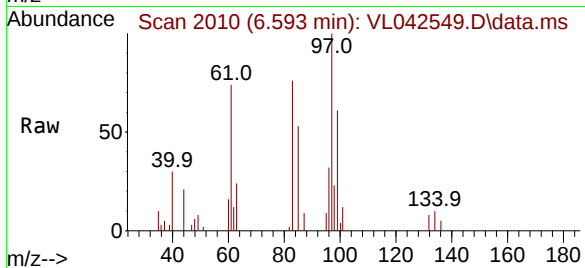
Ion Ratio Lower Upper

97 100

83 75.9 65.0 97.4

85 53.1 39.9 59.9

99 61.4 49.4 74.0



#48

Dibromochloromethane

Concen: 0.485 ppbv

RT: 7.402 min Scan# 2260

Delta R.T. 0.010 min

Lab File: VL042549.D

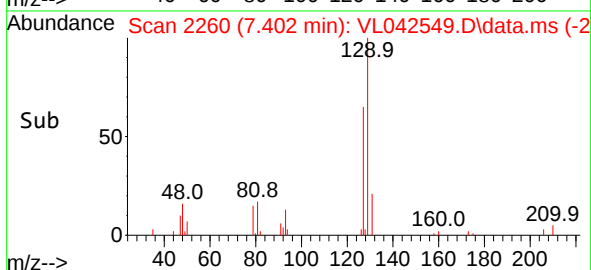
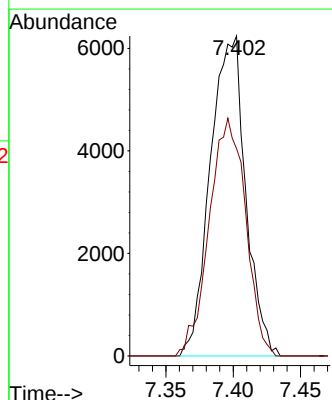
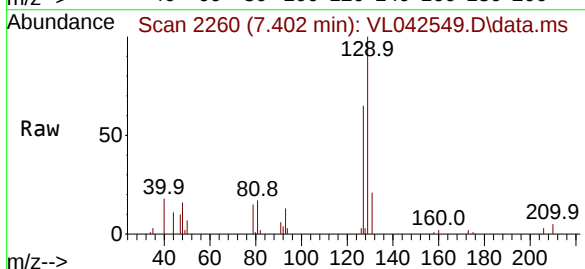
Acq: 20 May 2025 10:50

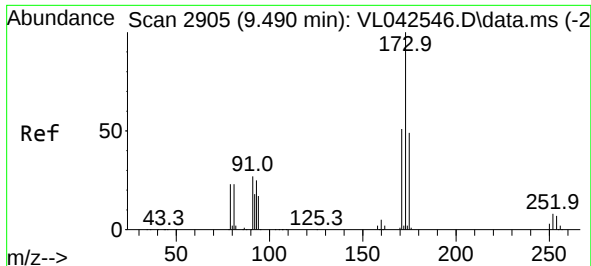
Tgt Ion: 129 Resp: 11385

Ion Ratio Lower Upper

129 100

127 76.4 39.0 117.0

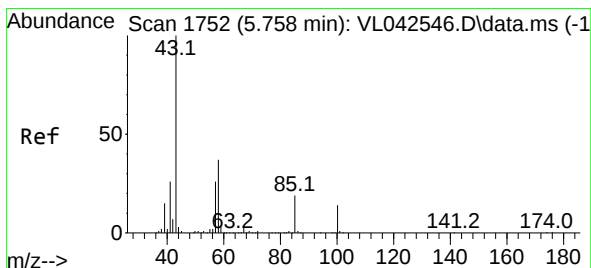
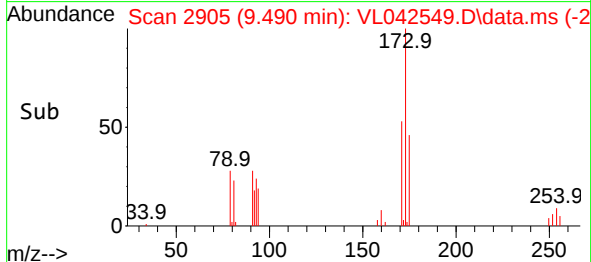
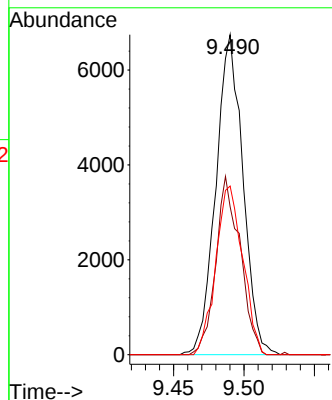
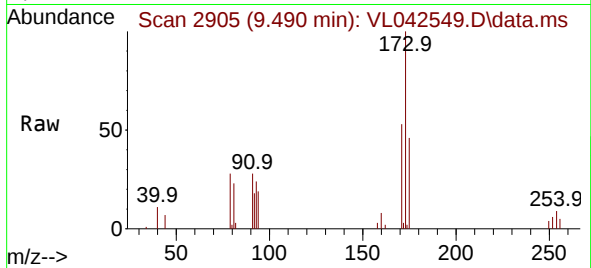




#49
Bromoform
Concen: 0.450 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

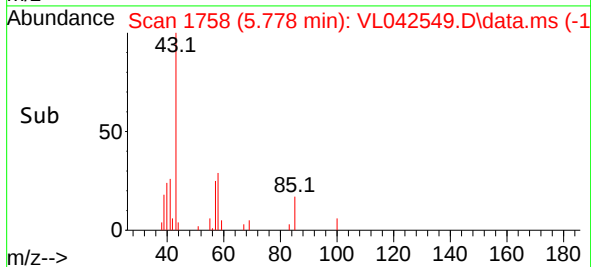
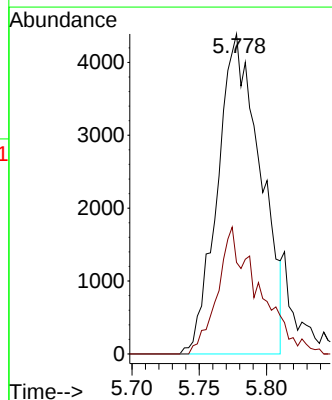
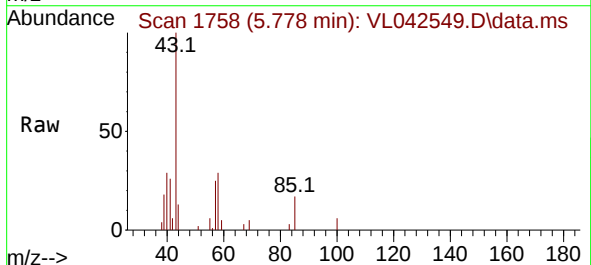
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

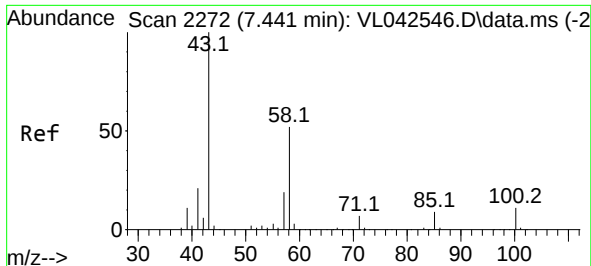
Tgt Ion:173 Resp: 9012
Ion Ratio Lower Upper
173 100
175 50.2 39.2 58.8
171 52.6 41.9 62.9



#50
4-Methyl-2-Pentanone
Concen: 0.384 ppbv
RT: 5.778 min Scan# 1758
Delta R.T. 0.019 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 43 Resp: 9740
Ion Ratio Lower Upper
43 100
58 38.3 30.0 45.0

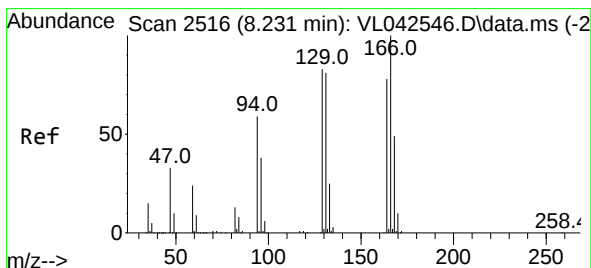
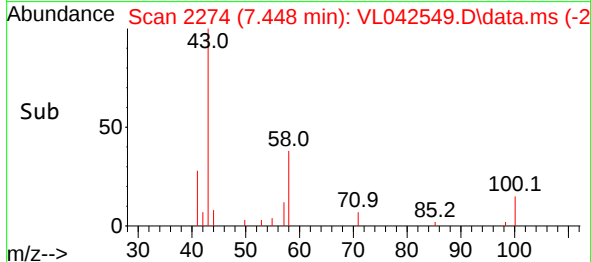
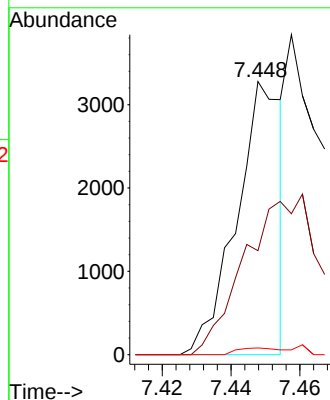
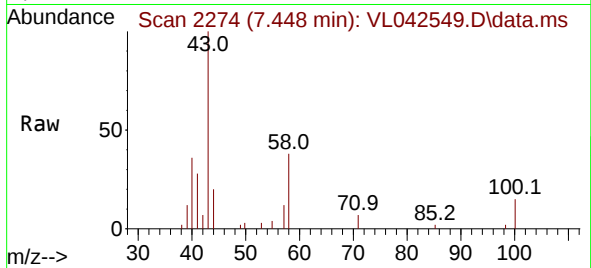




#51
2-Hexanone
Concen: 0.159 ppbv
RT: 7.448 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

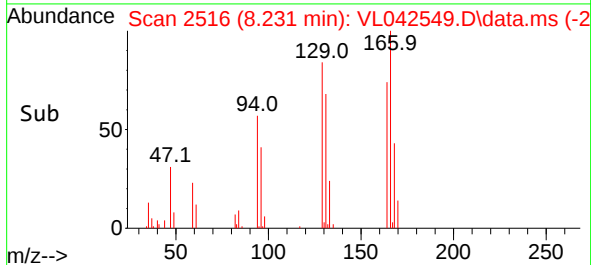
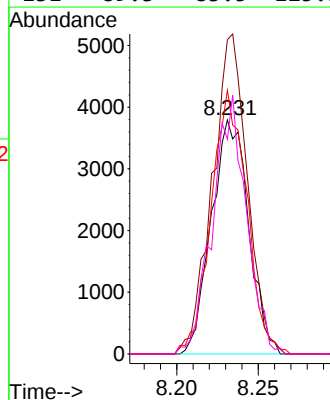
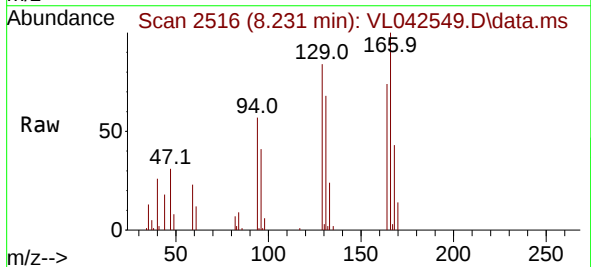
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

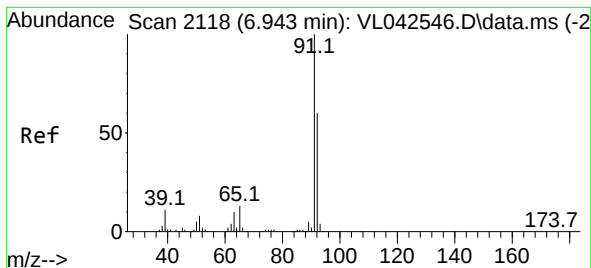
Tgt Ion: 43 Resp: 2966
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.2#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.477 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion:164 Resp: 6006
Ion Ratio Lower Upper
164 100
166 132.3 103.1 154.7
129 110.7 85.3 127.9
131 89.3 83.5 125.3





#53

Toluene

Concen: 0.255 ppbv

RT: 6.940 min Scan# 2118

Delta R.T. -0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

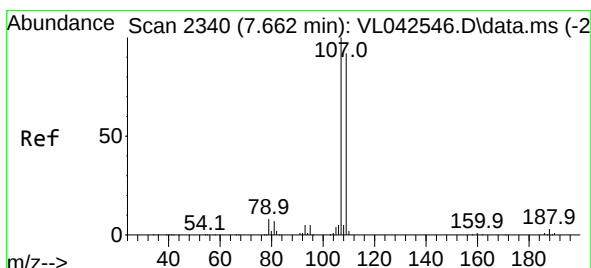
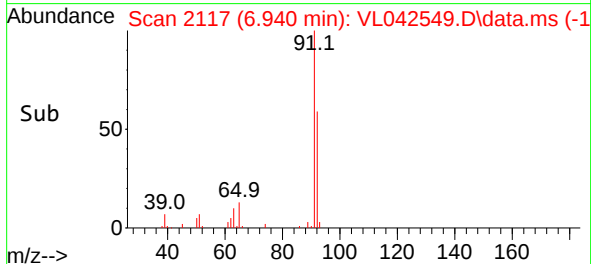
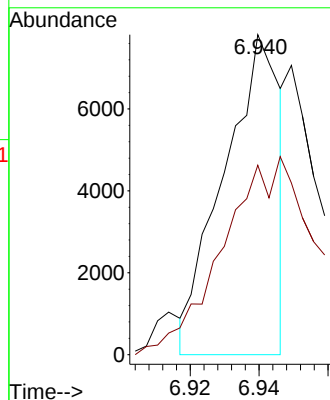
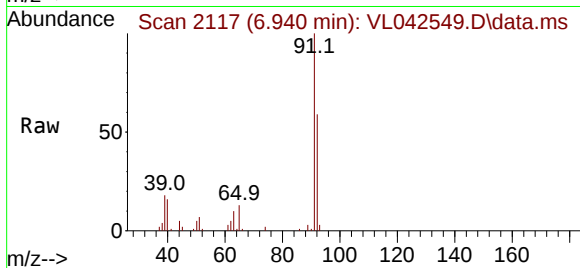
VSTDIC0.5

Tgt Ion: 91 Resp: 8792

Ion Ratio Lower Upper

91 100

92 0.0 47.8 71.8#



#54

1,2-Dibromoethane

Concen: 0.480 ppbv

RT: 7.658 min Scan# 2339

Delta R.T. -0.003 min

Lab File: VL042549.D

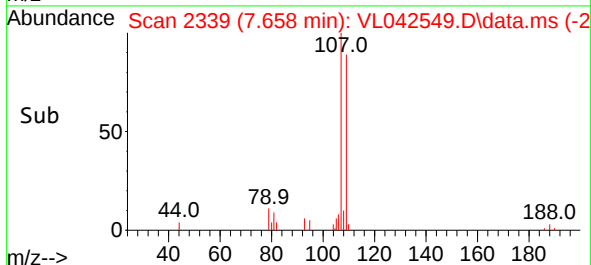
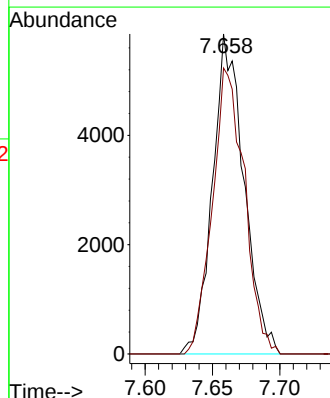
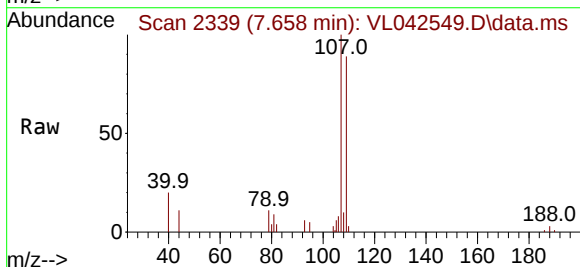
Acq: 20 May 2025 10:50

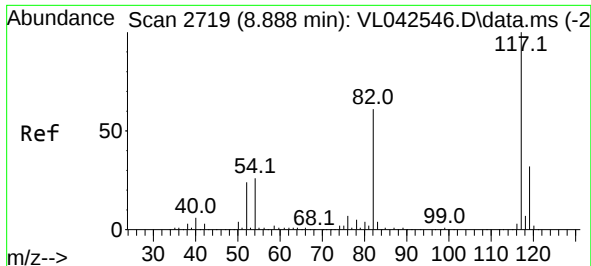
Tgt Ion: 107 Resp: 9474

Ion Ratio Lower Upper

107 100

109 89.3 73.4 110.2

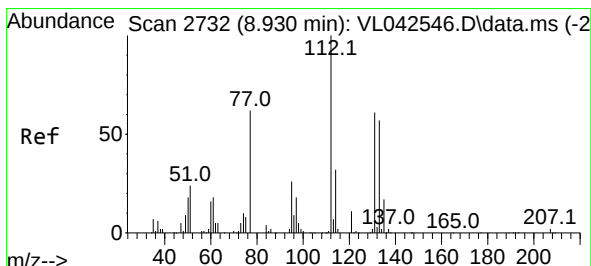
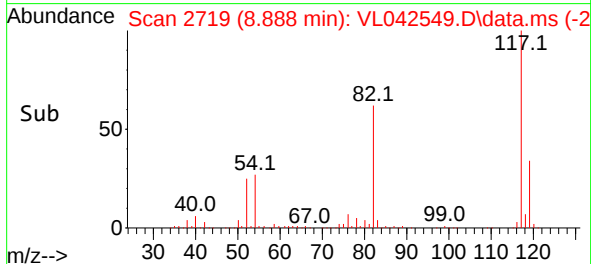
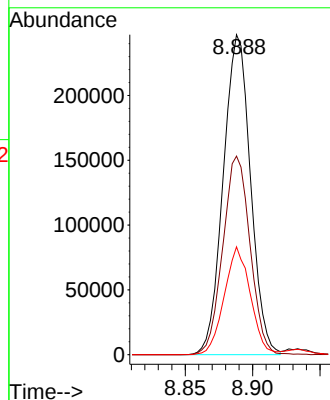
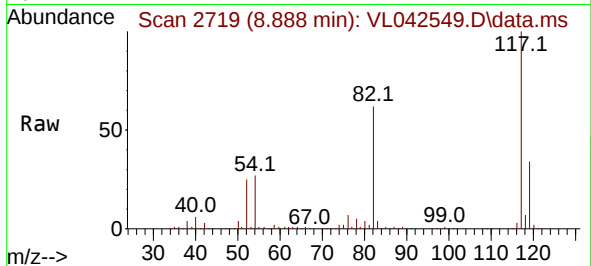




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

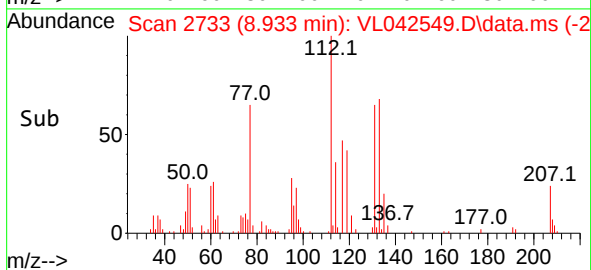
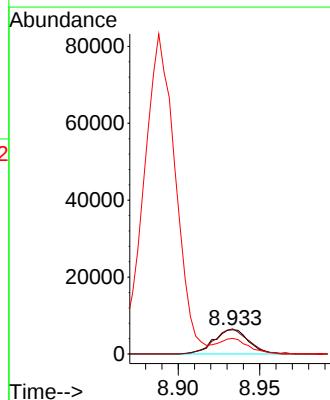
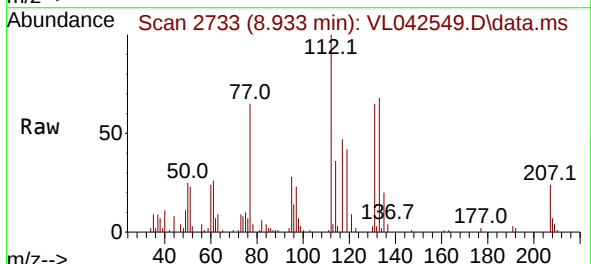
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

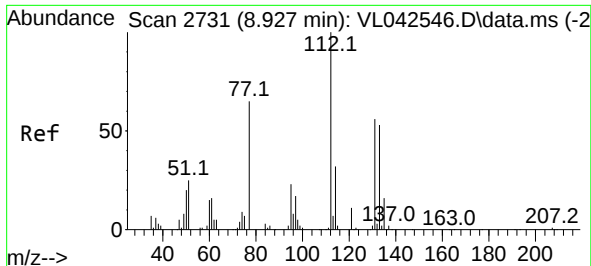
Tgt Ion:117 Resp: 347382
Ion Ratio Lower Upper
117 100
82 62.2 51.0 76.4
119 33.8 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.506 ppbv
RT: 8.933 min Scan# 2733
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion:131 Resp: 9373
Ion Ratio Lower Upper
131 100
133 101.2 76.3 114.5
119 1253.6 47.5 71.3#

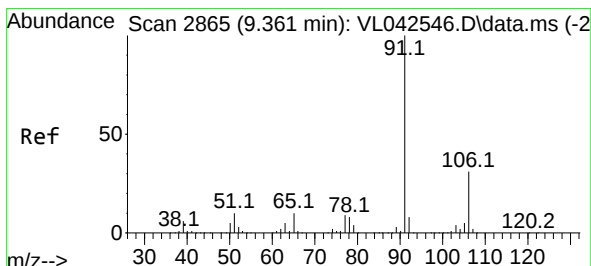
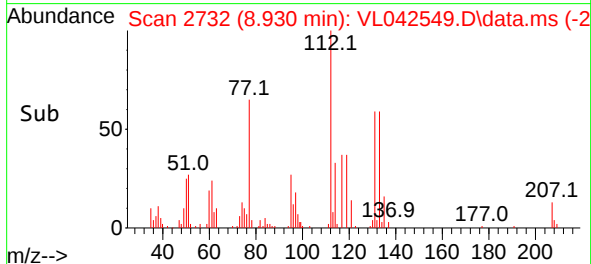
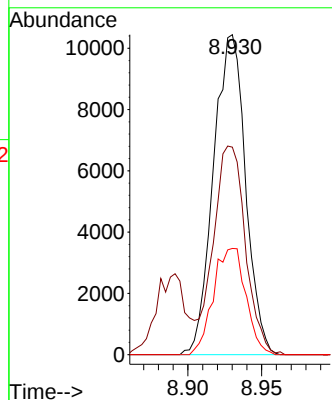
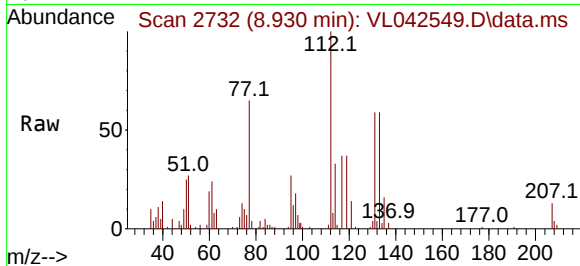




#57
Chlorobenzene
Concen: 0.511 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

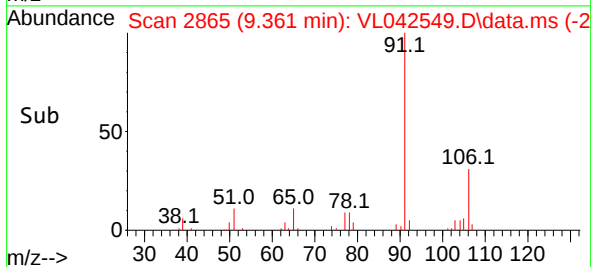
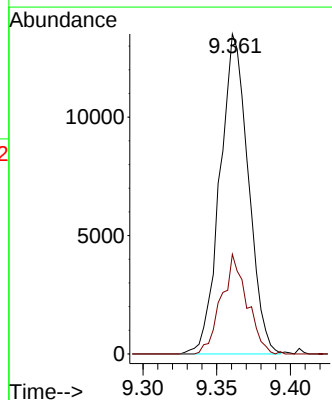
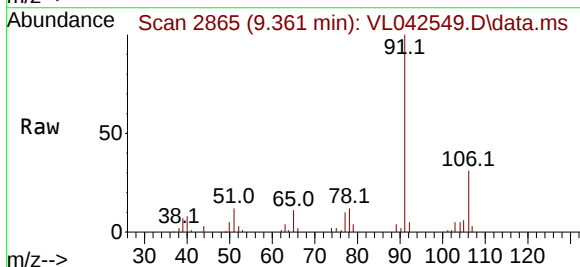
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

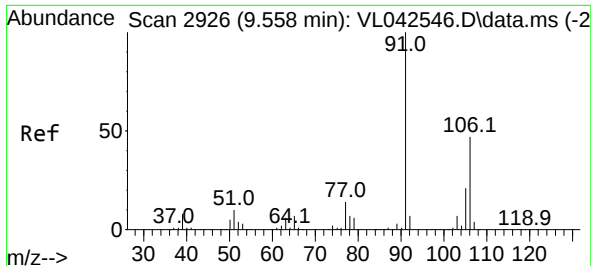
Tgt Ion:112 Resp: 15816
Ion Ratio Lower Upper
112 100
77 63.9 53.2 79.8
114 35.6 28.4 34.8#



#58
Ethyl Benzene
Concen: 0.397 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 91 Resp: 18066
Ion Ratio Lower Upper
91 100
106 31.1 24.6 37.0





#59

m/p-Xylene

Concen: 0.429 ppbv

RT: 9.555 min Scan# 2926

Delta R.T. -0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

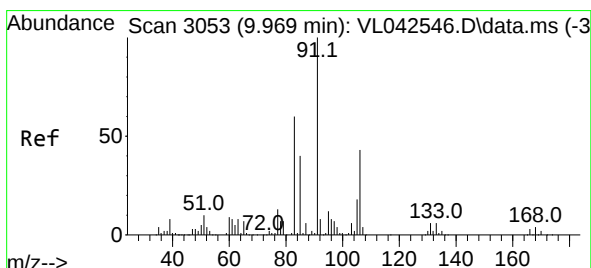
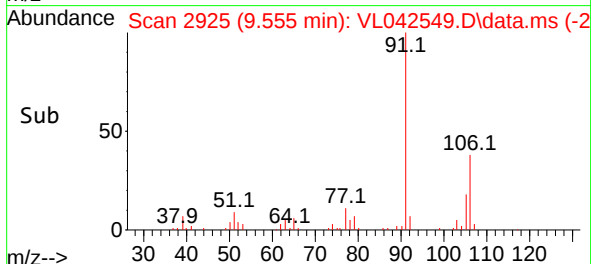
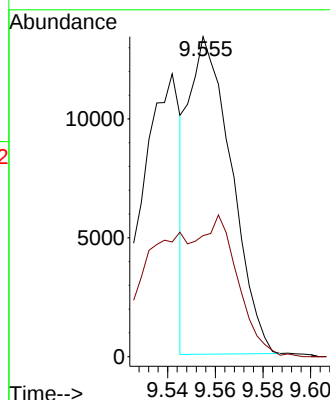
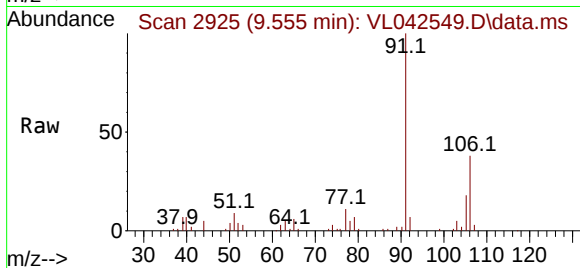
VSTDIC0.5

Tgt Ion: 91 Resp: 16655

Ion Ratio Lower Upper

91 100

106 85.6 37.1 55.7#



#60

o-Xylene

Concen: 0.382 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042549.D

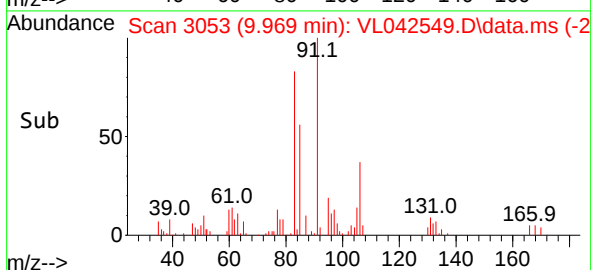
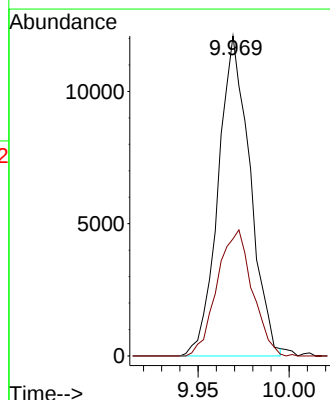
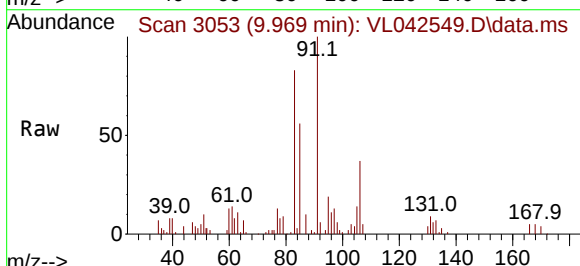
Acq: 20 May 2025 10:50

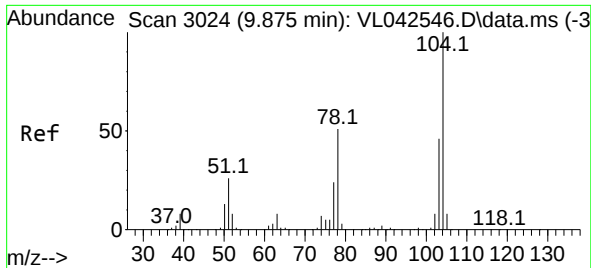
Tgt Ion: 91 Resp: 14673

Ion Ratio Lower Upper

91 100

106 43.6 21.6 64.8





#61

Styrene

Concen: 0.355 ppbv

RT: 9.879 min Scan# 3024

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

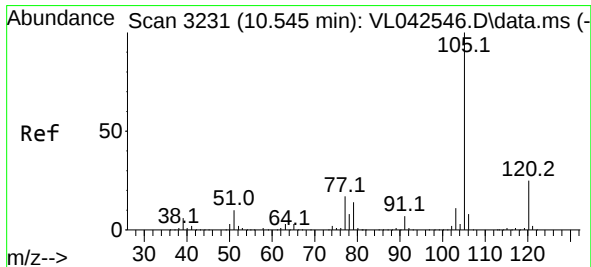
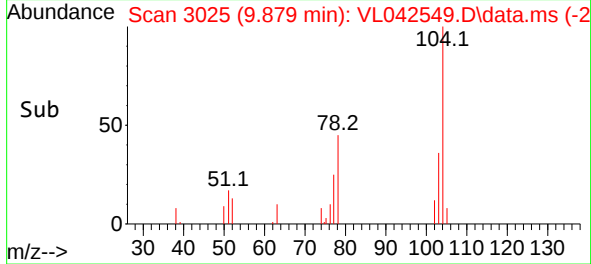
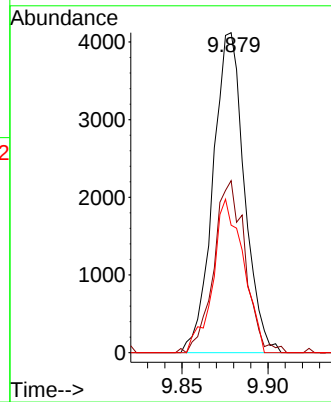
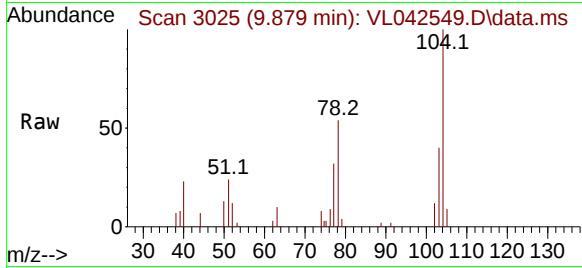
Tgt Ion:104 Resp: 5227

Ion Ratio Lower Upper

104 100

78 53.5 39.2 58.8

103 46.6 37.1 55.7



#62

Isopropylbenzene

Concen: 0.423 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. -0.000 min

Lab File: VL042549.D

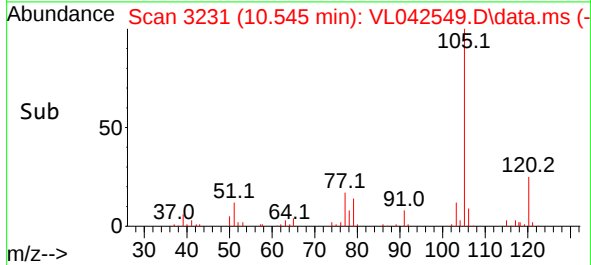
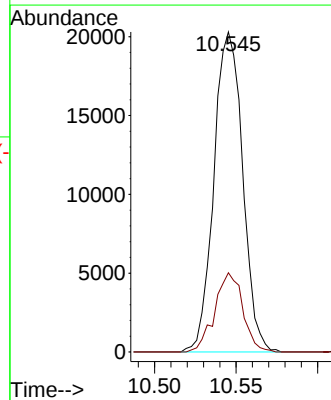
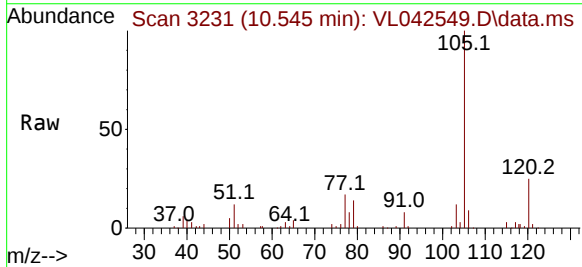
Acq: 20 May 2025 10:50

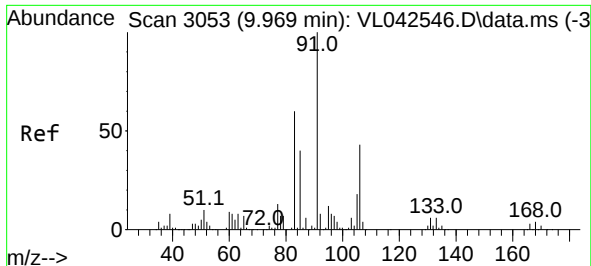
Tgt Ion:105 Resp: 24889

Ion Ratio Lower Upper

105 100

120 24.1 20.0 30.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.497 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

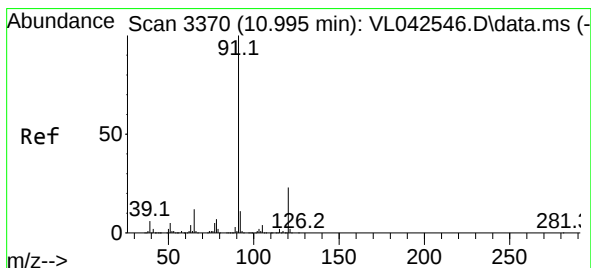
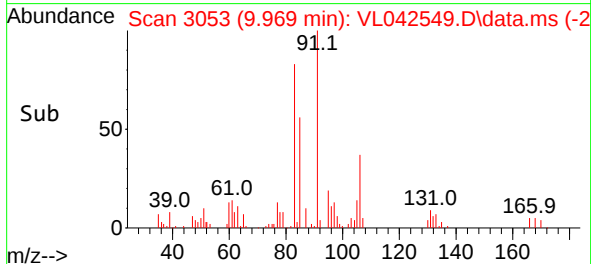
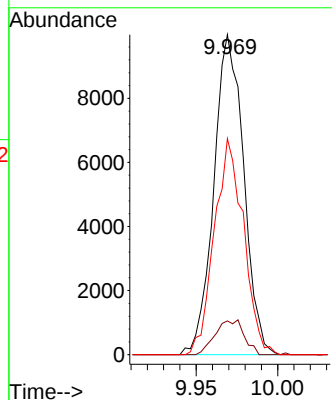
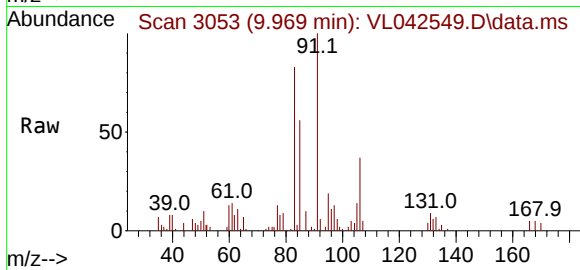
Tgt Ion: 83 Resp: 12697

Ion Ratio Lower Upper

83 100

131 10.5 5.1 15.3

85 66.1 32.5 97.4



#64

n-propylbenzene

Concen: 0.383 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. -0.003 min

Lab File: VL042549.D

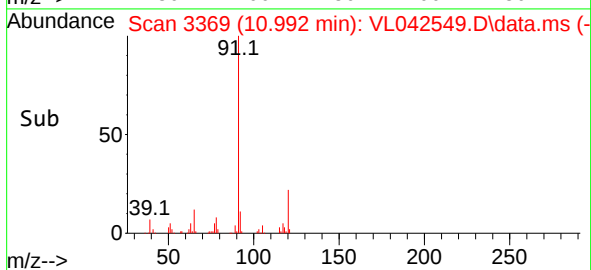
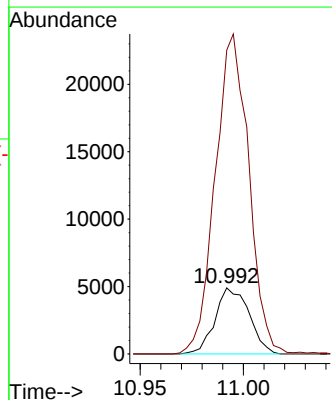
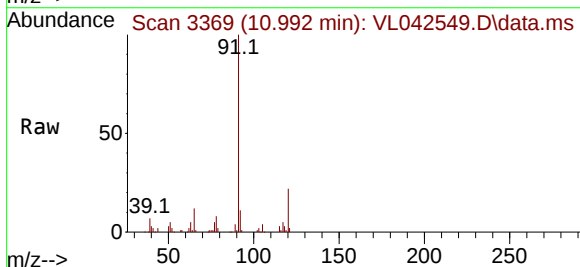
Acq: 20 May 2025 10:50

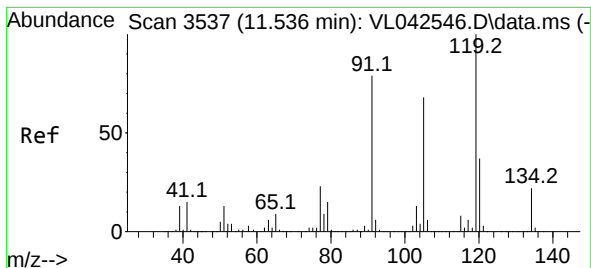
Tgt Ion: 120 Resp: 5620

Ion Ratio Lower Upper

120 100

91 479.7 367.0 550.4





#65

tert-Butylbenzene

Concen: 0.386 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

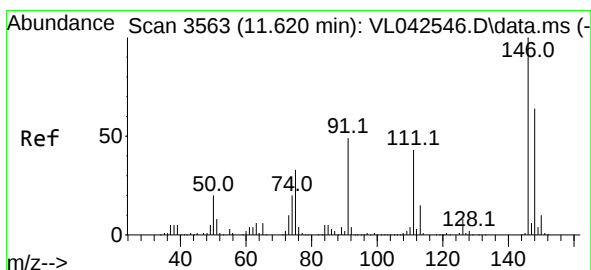
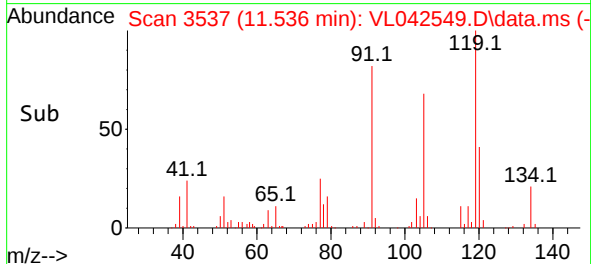
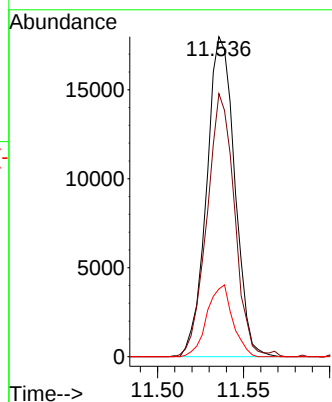
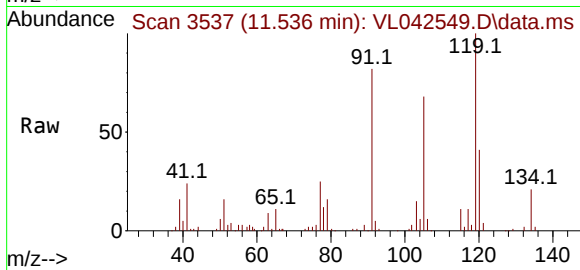
Tgt Ion:119 Resp: 20436

Ion Ratio Lower Upper

119 100

91 80.7 62.7 94.1

134 20.4 16.8 25.2



#66

Benzyl Chloride

Concen: 0.429 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

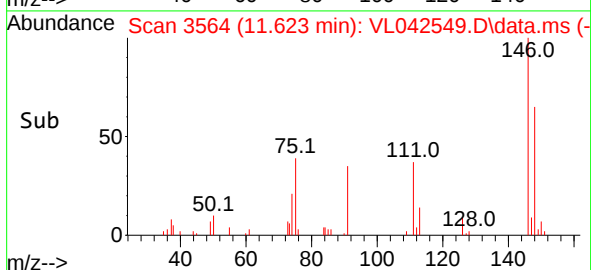
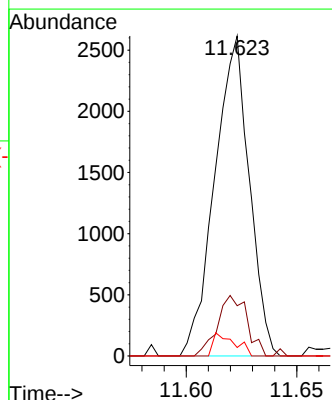
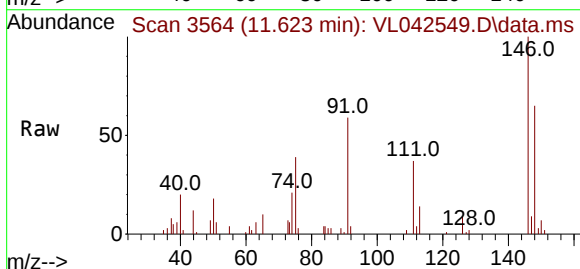
Tgt Ion: 91 Resp: 2838

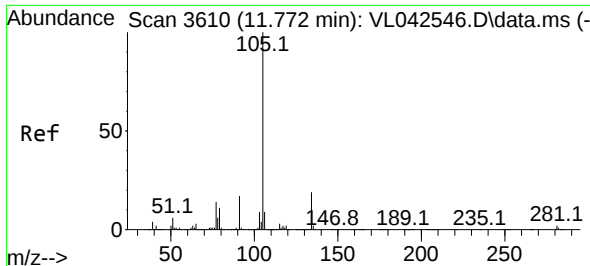
Ion Ratio Lower Upper

91 100

126 16.6 14.2 21.2

128 4.5 4.6 6.8

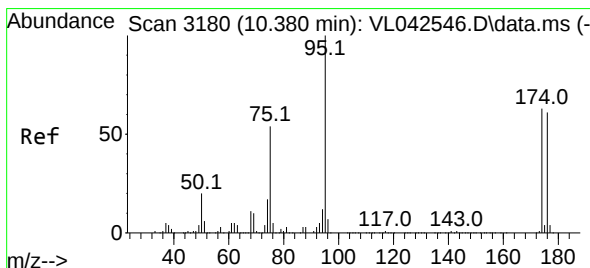
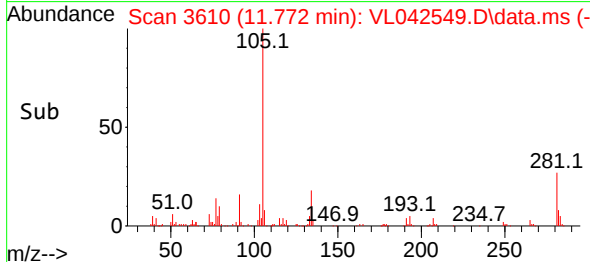
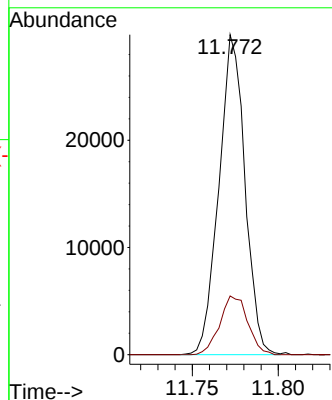
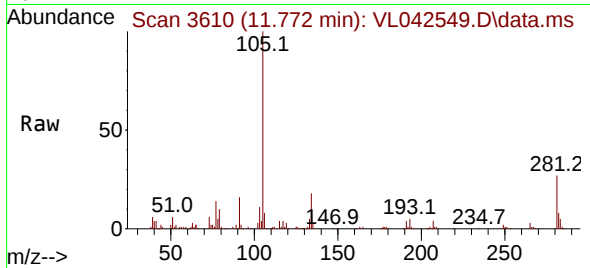




#67
 sec-Butylbenzene
 Concen: 0.420 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

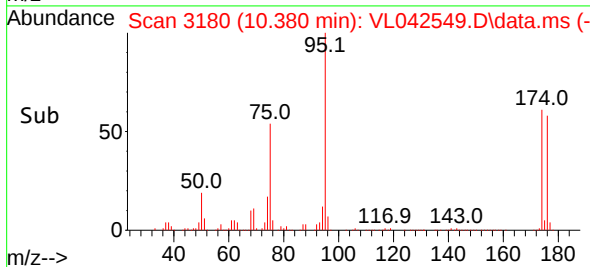
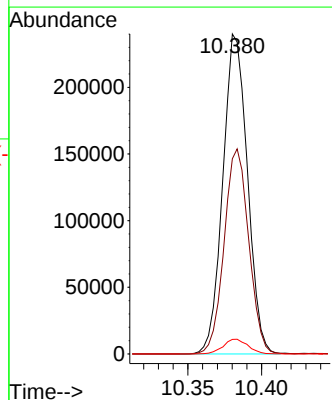
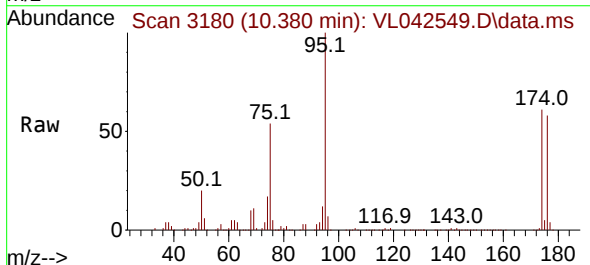
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

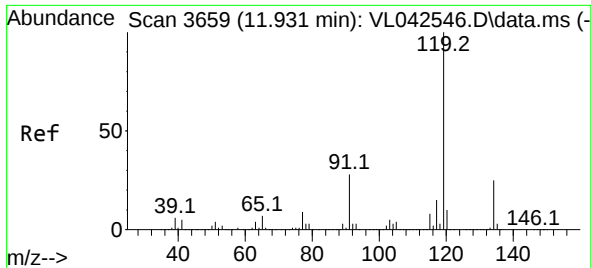
Tgt Ion:105 Resp: 31370
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.021 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Tgt Ion: 95 Resp: 278604
 Ion Ratio Lower Upper
 95 100
 174 64.3 52.0 78.0
 175 4.7 3.8 5.6

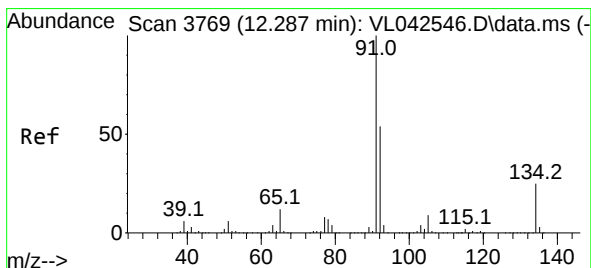
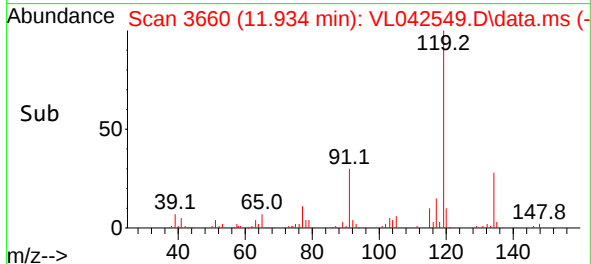
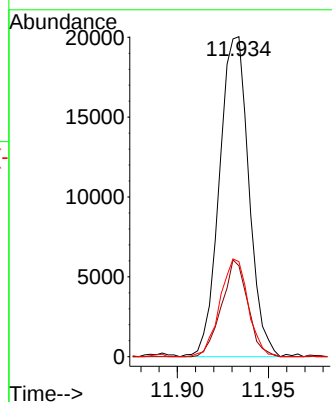
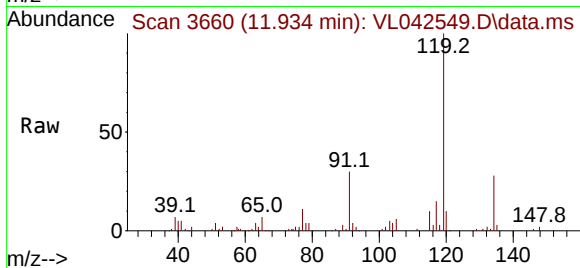




#69
p-Isopropyltoluene
Concen: 0.364 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.003 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

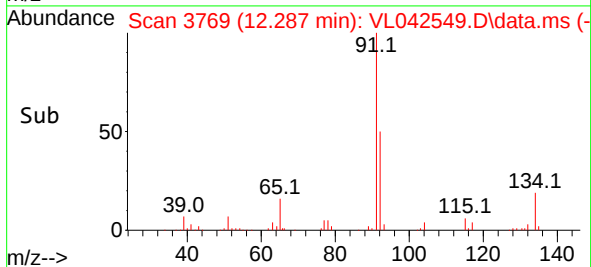
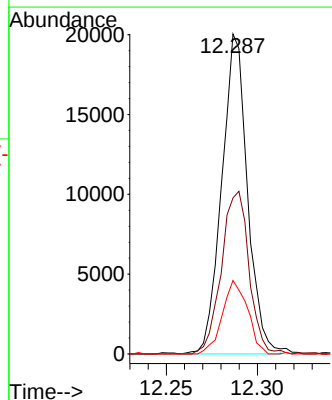
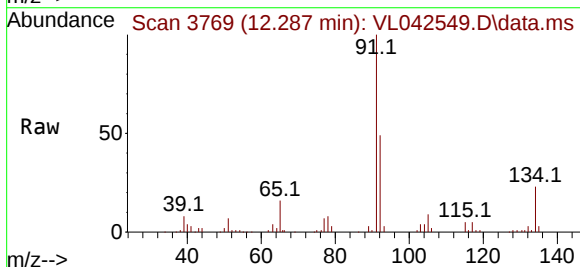
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

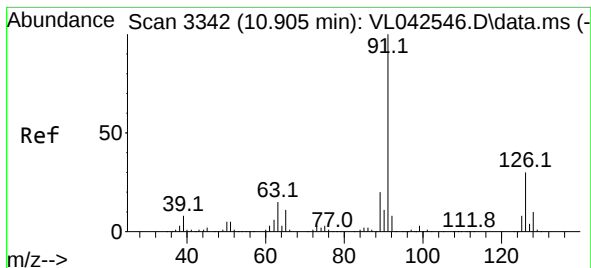
Tgt Ion:119 Resp: 22462
Ion Ratio Lower Upper
119 100
134 26.8 20.1 30.1
91 29.7 22.3 33.5



#70
n-Butylbenzene
Concen: 0.336 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion: 91 Resp: 19614
Ion Ratio Lower Upper
91 100
92 55.0 43.8 65.6
134 22.6 19.7 29.5





#71

2-Chlorotoluene

Concen: 0.397 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

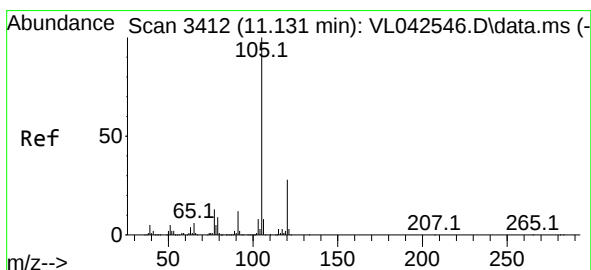
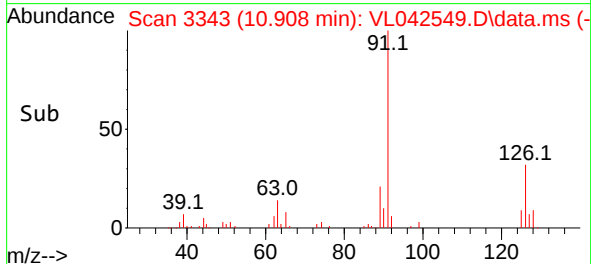
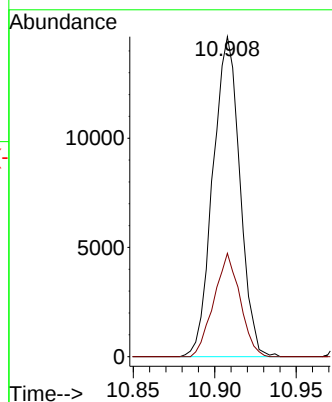
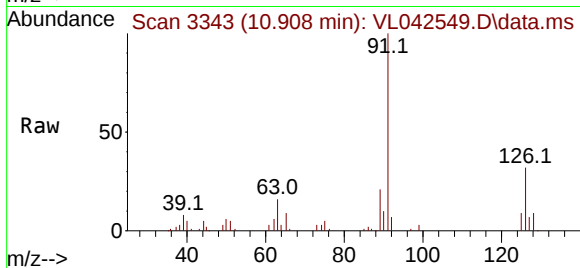
VSTDICC0.5

Tgt Ion: 91 Resp: 16834

Ion Ratio Lower Upper

91 100

126 31.4 12.4 49.4



#72

4-Ethyltoluene

Concen: 0.377 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Tgt Ion: 105 Resp: 17908

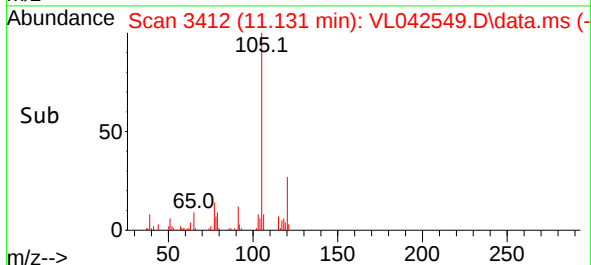
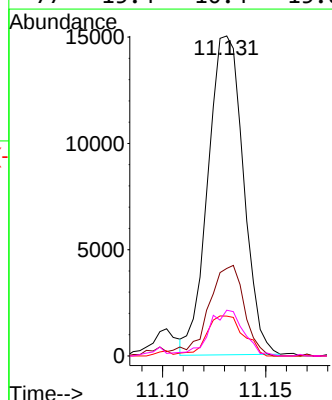
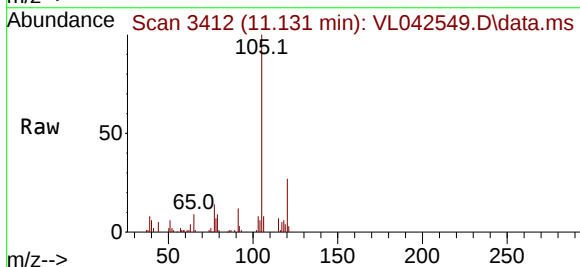
Ion Ratio Lower Upper

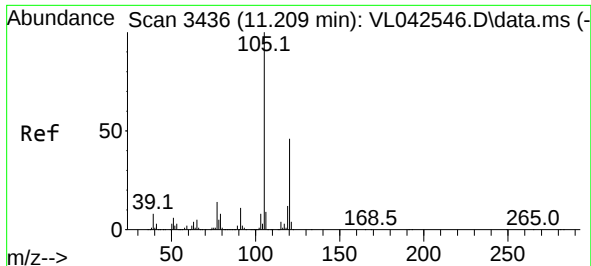
105 100

120 29.9 23.4 35.0

91 13.7 10.2 15.4

77 15.4 10.4 15.6

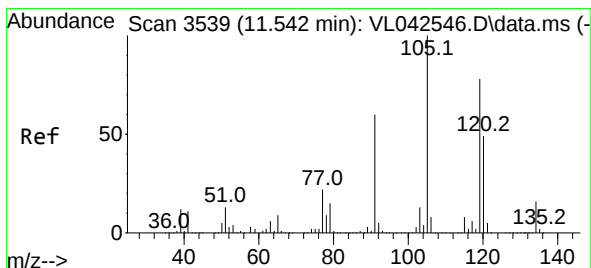
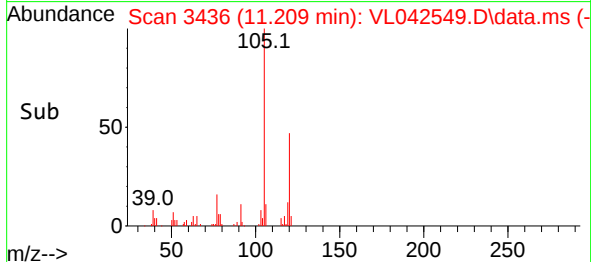
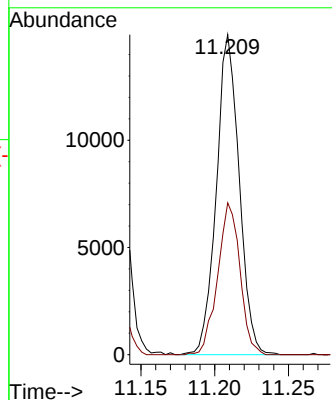
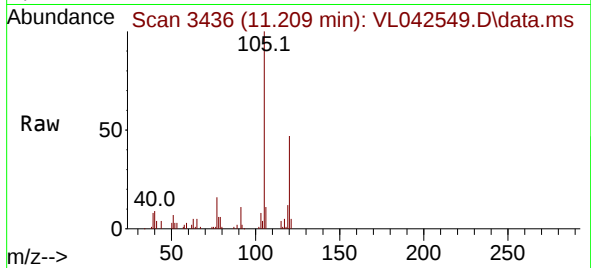




#73
1,3,5-Trimethylbenzene
Concen: 0.391 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

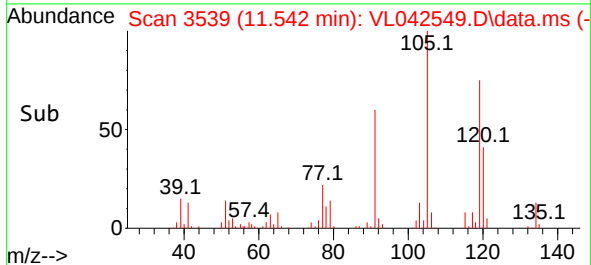
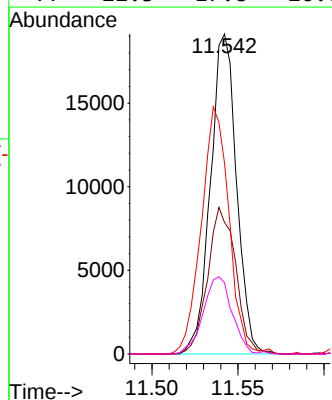
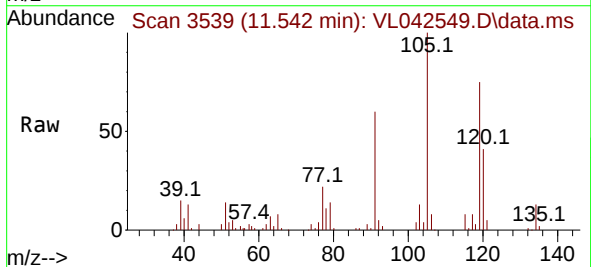
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

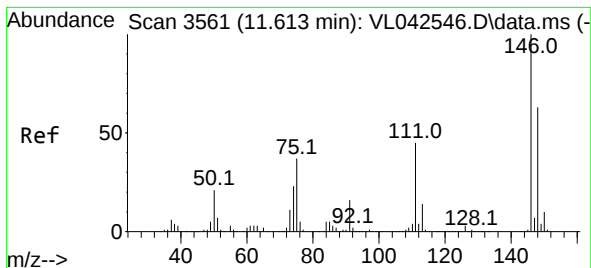
Tgt Ion:105 Resp: 16084
Ion Ratio Lower Upper
105 100
120 47.4 36.5 54.7



#74
1,2,4-Trimethylbenzene
Concen: 0.407 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042549.D
Acq: 20 May 2025 10:50

Tgt Ion:105 Resp: 20184
Ion Ratio Lower Upper
105 100
120 41.1 39.4 59.0
91 59.7 47.8 71.8
77 22.3 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 0.462 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.003 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

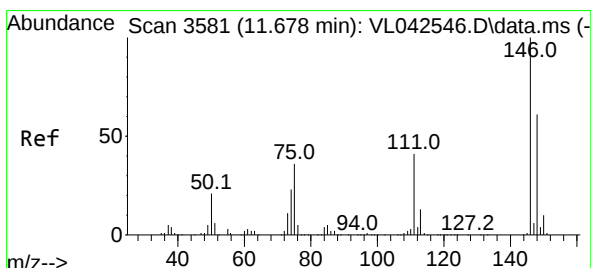
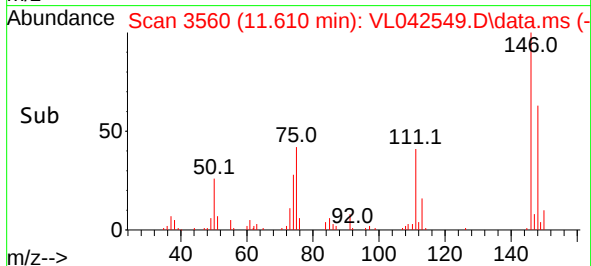
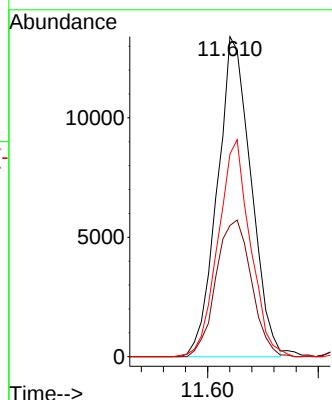
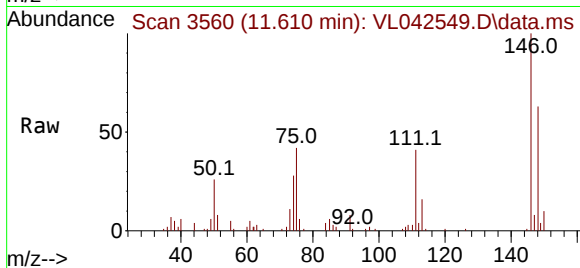
Tgt Ion:146 Resp: 14117

Ion Ratio Lower Upper

146 100

111 45.0 22.8 68.4

148 65.0 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 0.456 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

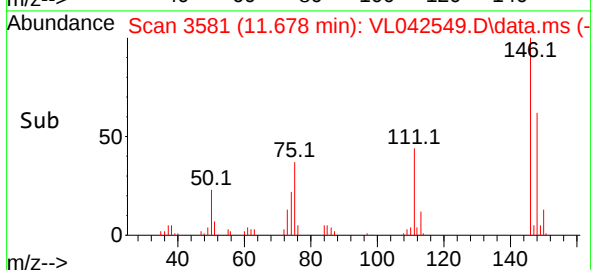
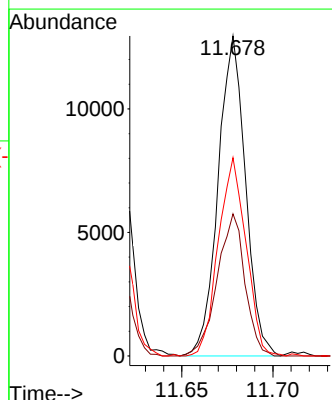
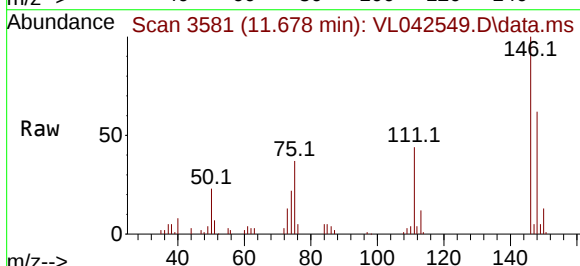
Tgt Ion:146 Resp: 13548

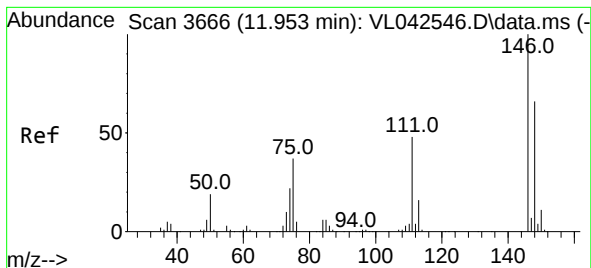
Ion Ratio Lower Upper

146 100

111 44.9 21.8 65.3

148 62.9 31.4 94.3





#77

1,2-Dichlorobenzene

Concen: 0.491 ppbv

RT: 11.953 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

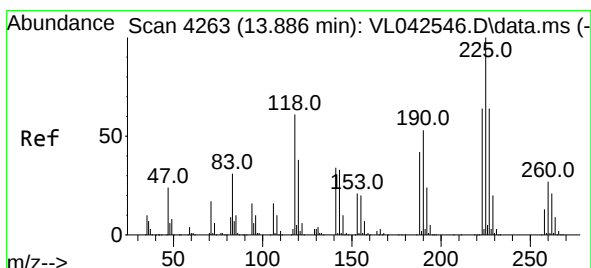
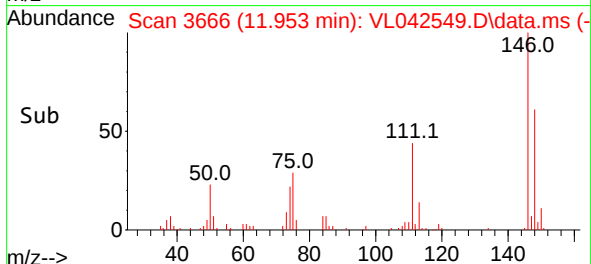
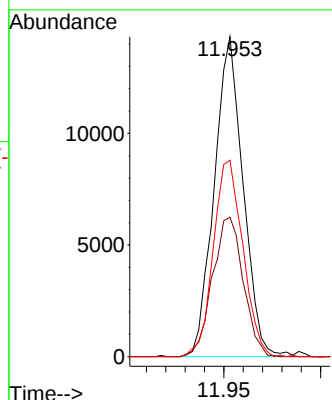
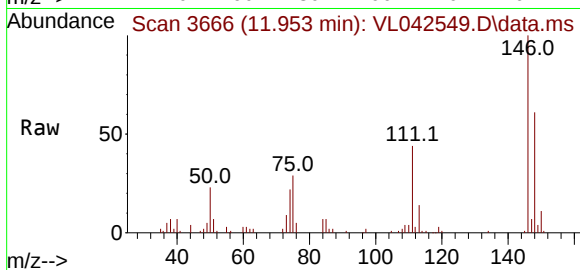
Tgt Ion:146 Resp: 14801

Ion Ratio Lower Upper

146 100

111 46.6 23.7 71.1

148 63.2 32.3 96.9



#78

Hexachloro-1,3-Butadiene

Concen: 0.520 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

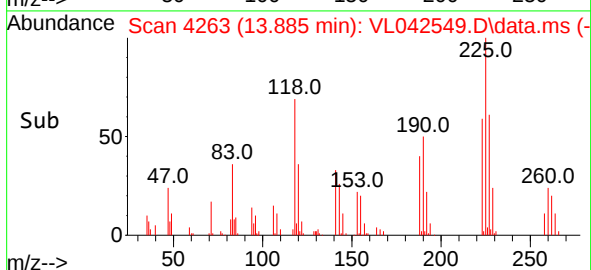
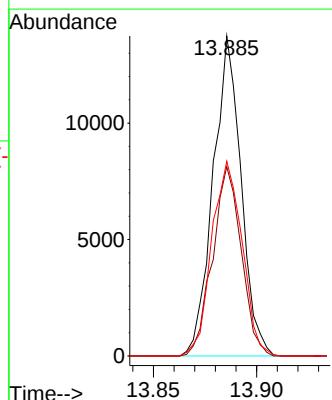
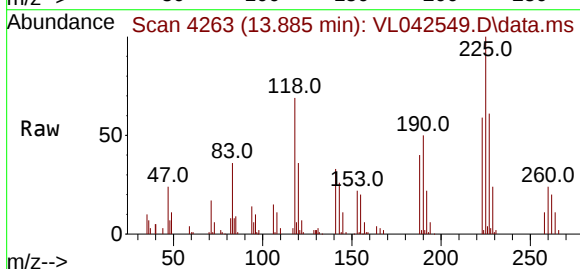
Tgt Ion:225 Resp: 12950

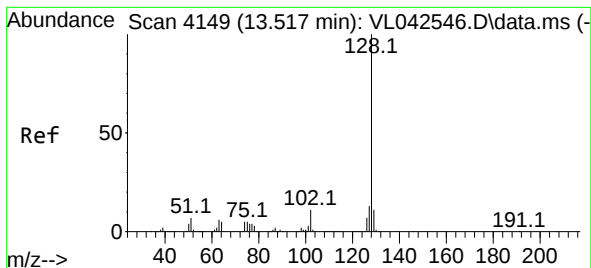
Ion Ratio Lower Upper

225 100

223 60.7 51.0 76.6

227 66.1 50.2 75.4





#79

Naphthalene

Concen: 0.303 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

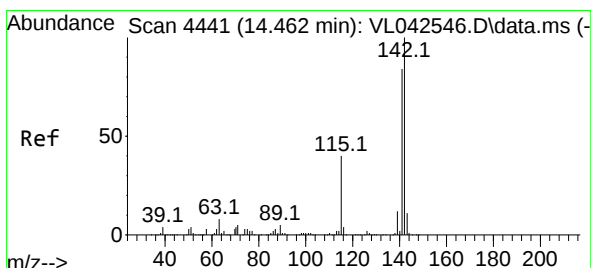
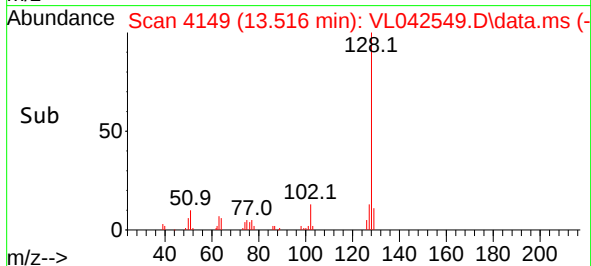
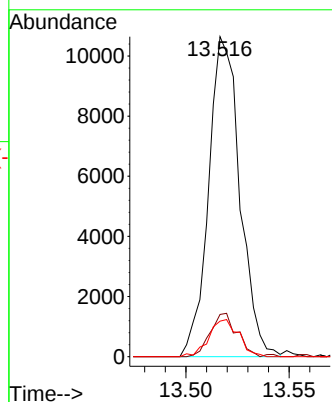
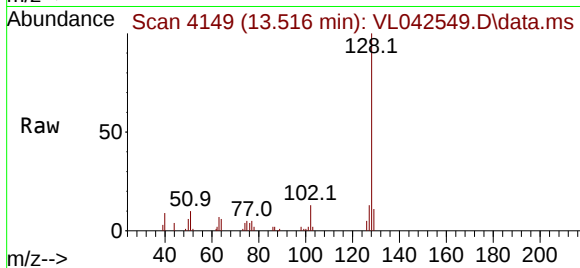
Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

Tgt Ion:128	Resp:	11230
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.5 15.7
129	11.1	9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 0.193 ppbv

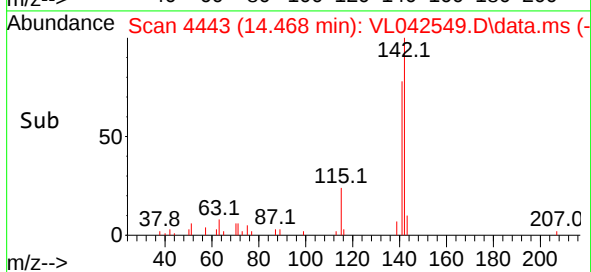
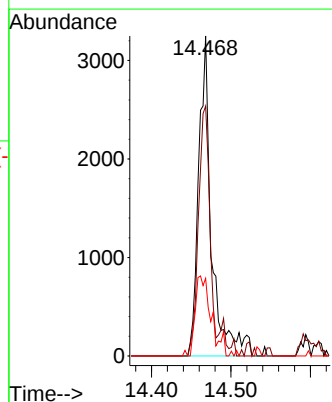
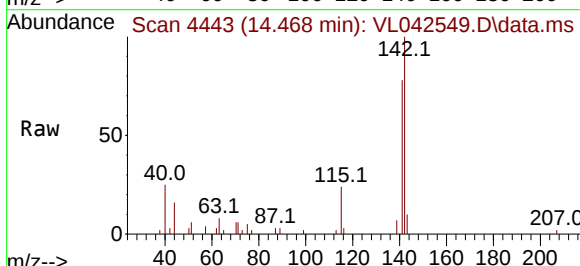
RT: 14.468 min Scan# 4443

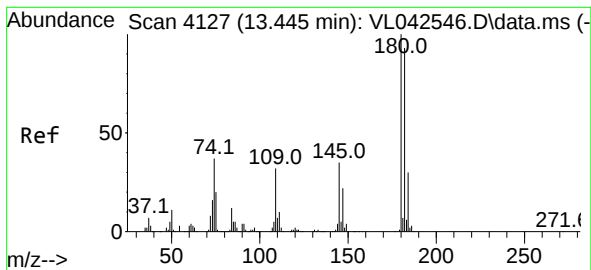
Delta R.T. 0.006 min

Lab File: VL042549.D

Acq: 20 May 2025 10:50

Tgt Ion:142	Resp:	3696
Ion Ratio	Lower	Upper
142	100	
141	76.6	67.4 101.0
115	30.8	31.5 47.3





#81
 1,2,4-Trichlorobenzene
 Concen: 0.322 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042549.D
 Acq: 20 May 2025 10:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 7188
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.6 113.4
 184 32.4 23.7 35.5

