

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042550.D
 Acq On : 20 May 2025 11:22
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: May 20 23:27:33 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	2.794	49	116621	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	382934	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	332012	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	258212	9.717	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	2465	0.113	ppbv	95
3) Chlorodifluoromethane	1.480	51	1988	0.111	ppbv	99
4) Chloromethane	1.535	50	792	0.113	ppbv	95
5) Vinyl Chloride	1.583	62	738	0.095	ppbv #	66
6) Bromomethane	1.667	94	501	0.112	ppbv	92
7) Chloroethane	1.709	64	311	0.100	ppbv	91
8) Dichlorotetrafluoroethane	1.557	85	1911	0.103	ppbv #	81
9) Propene	1.486	41	749	0.120	ppbv	91
10) Heptane	5.001	43	372	0.023	ppbv #	24
11) Trichlorofluoromethane	1.881	101	2335	0.103	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.143	101	1824	0.099	ppbv	100
13) Ethanol	1.726	45	278	0.307	ppbv #	37
14) Bromoethene	1.787	108	801	0.116	ppbv #	83
15) Acetone	1.842	43	2785	0.171	ppbv	90
16) 1,3-Butadiene	1.612	39	676	0.102	ppbv	99
17) tert-Butyl alcohol	2.049	59	2094	0.111	ppbv	99
18) 1,1-Dichloroethene	2.040	96	940	0.113	ppbv #	84
19) Isopropyl Alcohol	1.894	45	1407	0.152	ppbv #	59
20) Methylene Chloride	2.069	84	2093	0.266	ppbv #	96
21) Allyl Chloride	2.101	41	1306	0.125	ppbv #	84
22) trans-1,2-Dichloroethene	2.347	96	1033	0.112	ppbv	94
23) Vinyl Acetate	2.470	43	1076	0.057	ppbv #	65
24) 1,1-Dichloroethane	2.415	63	1905	0.121	ppbv #	93
25) Ethyl Acetate	2.849	43	3115	0.099	ppbv #	94
26) Hexane	2.833	57	1104	0.078	ppbv #	60
27) Carbon Disulfide	2.156	76	2150	0.104	ppbv #	1
28) Methyl tert-Butyl Ether	2.451	73	1165	0.122	ppbv	92
29) Chloroform	2.855	83	2793	0.104	ppbv	93
30) Cyclohexane	3.862	84	701	0.057	ppbv #	4
31) cis-1,2-Dichloroethene	2.347	61	1479	0.095	ppbv	97
32) 1,1,1-Trichloroethane	3.376	97	2721	0.099	ppbv	96
34) 2-Butanone	2.570	43	2095	0.103	ppbv	100
35) Carbon Tetrachloride	3.774	117	2638	0.090	ppbv #	85
36) Benzene	3.664	78	3171	0.102	ppbv #	86
37) 1,2-Dichloroethane	3.224	62	2016	0.106	ppbv	97
38) Trichloroethene	4.561	130	450	0.032	ppbv #	49
39) 1,2-Dichloropropane	3.969	63	88316	8.120	ppbv #	25
40) 1,4-Dioxane	4.622	88	90	0.018	ppbv #	26
41) Tetrahydrofuran	3.072	42	303	0.031	ppbv #	33
42) Bromodichloromethane	4.499	83	2602	0.097	ppbv #	94
43) Methyl Methacrylate	4.891	69	279	0.027	ppbv #	1
44) 2,2,4-Trimethylpentane	4.658	57	3315	0.070	ppbv #	82
45) t-1,3-Dichloropropene	6.435	75	455	0.034	ppbv #	80

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042550.D
 Acq On : 20 May 2025 11:22
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

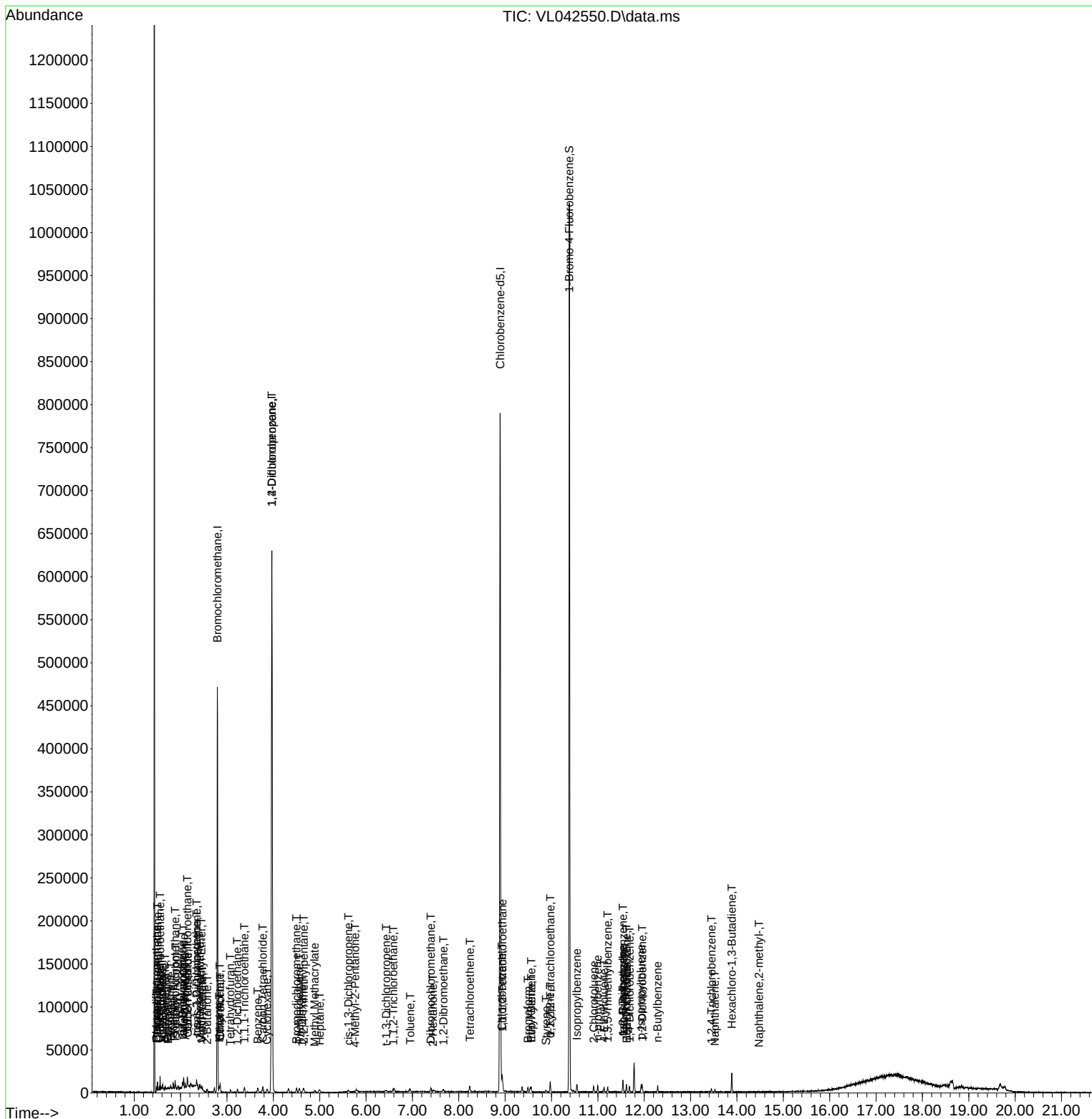
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

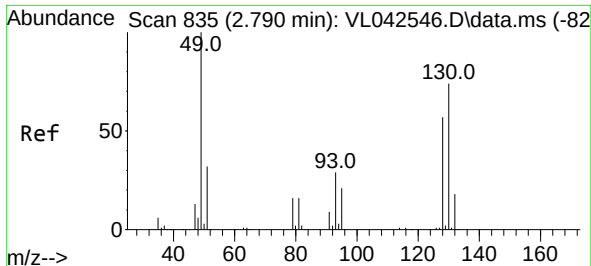
Quant Time: May 20 23:27:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	466	0.029	ppbv #	70
47) 1,1,2-Trichloroethane	6.590	97	452	0.035	ppbv #	86
48) Dibromochloromethane	7.396	129	2013	0.089	ppbv	92
49) Bromoform	9.494	173	1672	0.087	ppbv	93
50) 4-Methyl-2-Pentanone	5.765	43	70	0.003	ppbv #	37
51) 2-Hexanone	7.445	43	61	0.003	ppbv #	27
52) Tetrachloroethene	8.241	164	423	0.035	ppbv #	68
53) Toluene	6.953	91	1128	0.034	ppbv #	1
54) 1,2-Dibromoethane	7.671	107	642	0.034	ppbv	83
56) 1,1,1,2-Tetrachloroethane	8.940	131	1829	0.103	ppbv #	1
57) Chlorobenzene	8.930	112	3050	0.103	ppbv #	95
58) Ethyl Benzene	9.565	91	1240	0.029	ppbv	99
59) m/p-Xylene	9.565	91	1240	0.033	ppbv #	30
60) o-Xylene	9.969	91	2237	0.061	ppbv	96
61) Styrene	9.882	104	781	0.056	ppbv	95
62) Isopropylbenzene	10.549	105	4042	0.072	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.976	83	2359	0.097	ppbv	95
64) n-propylbenzene	10.995	120	813	0.058	ppbv	100
65) tert-Butylbenzene	11.539	119	2880	0.057	ppbv #	91
66) Benzyl Chloride	11.623	91	196	0.031	ppbv #	65
67) sec-Butylbenzene	11.542	105	2524	0.035	ppbv	99
69) p-Isopropyltoluene	11.934	119	2986	0.051	ppbv	94
70) n-Butylbenzene	12.287	91	2661	0.048	ppbv	90
71) 2-Chlorotoluene	10.914	91	2587	0.064	ppbv	92
72) 4-Ethyltoluene	11.135	105	2662	0.059	ppbv #	92
73) 1,3,5-Trimethylbenzene	11.212	105	2193	0.056	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.542	105	2524	0.053	ppbv	92
75) 1,3-Dichlorobenzene	11.617	146	2130	0.073	ppbv	97
76) 1,4-Dichlorobenzene	11.685	146	726	0.026	ppbv #	14
77) 1,2-Dichlorobenzene	11.960	146	2050	0.071	ppbv	94
78) Hexachloro-1,3-Butadiene	13.889	225	2403	0.101	ppbv	98
79) Naphthalene	13.520	128	1306	0.037	ppbv #	83
80) Naphthalene,2-methyl-	14.475	142	327	0.018	ppbv #	53
81) 1,2,4-Trichlorobenzene	13.449	180	713	0.033	ppbv	88

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

Quant Time: May 20 23:27:33 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

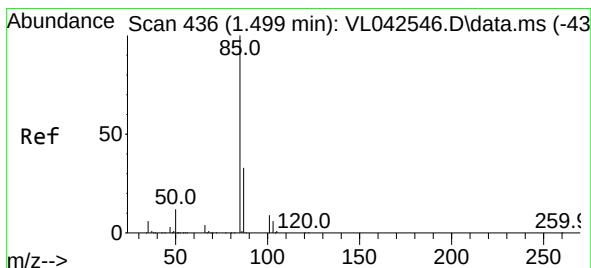
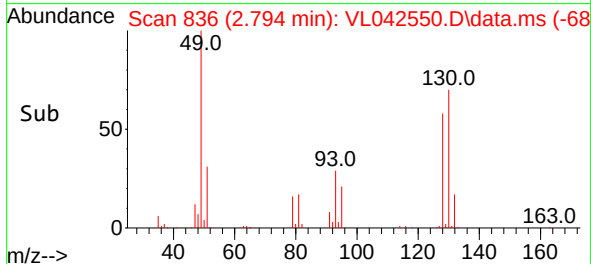
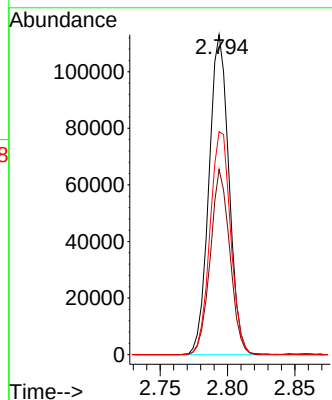
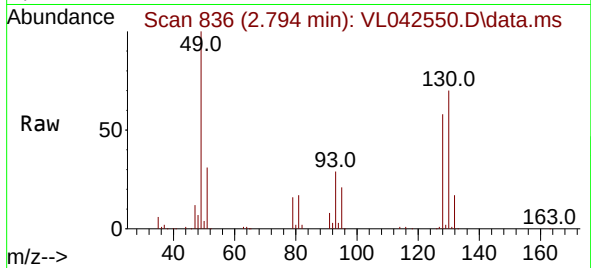




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.794 min Scan# 81
 Delta R.T. 0.004 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

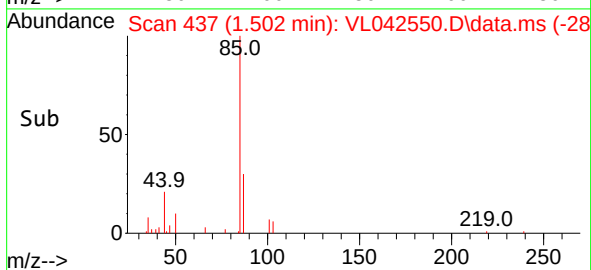
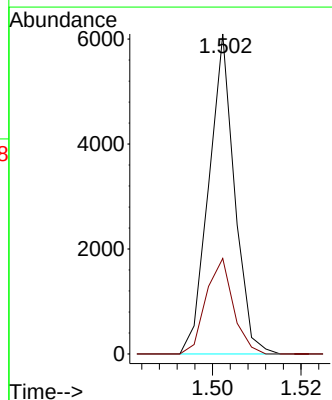
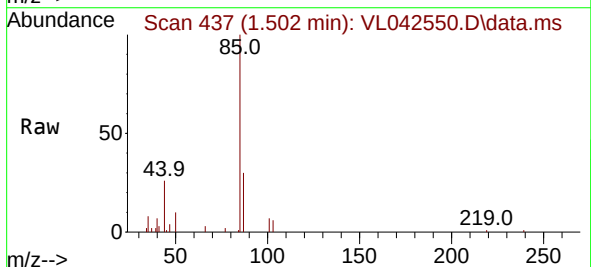
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

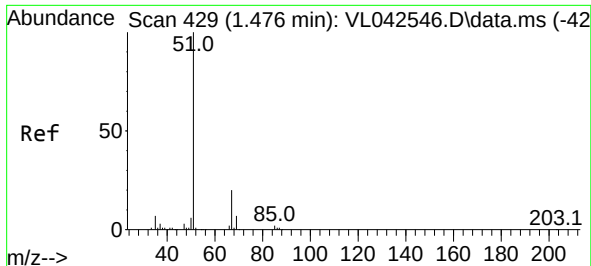
Tgt Ion: 49 Resp: 116621
 Ion Ratio Lower Upper
 49 100
 128 56.4 28.6 85.8
 130 72.1 36.6 109.8



#2
 Dichlorodifluoromethane
 Concen: 0.113 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Tgt Ion: 85 Resp: 2465
 Ion Ratio Lower Upper
 85 100
 87 29.8 26.2 39.4

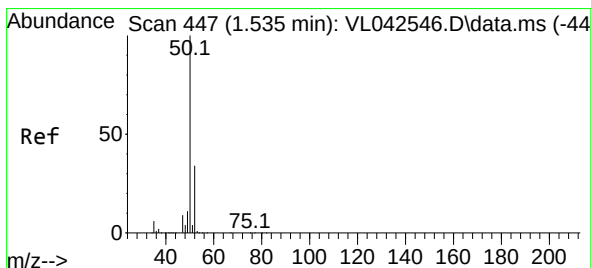
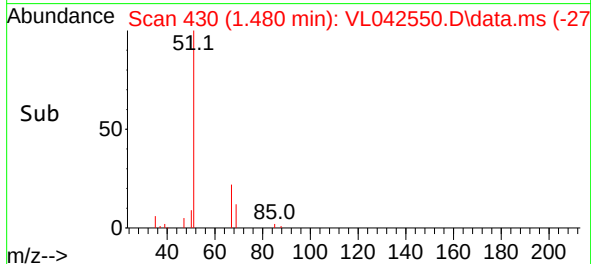
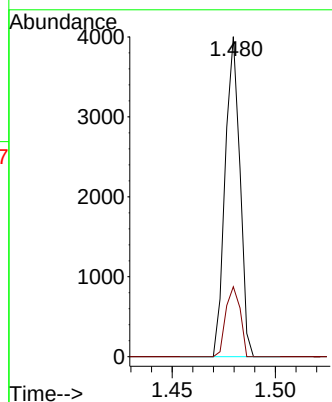
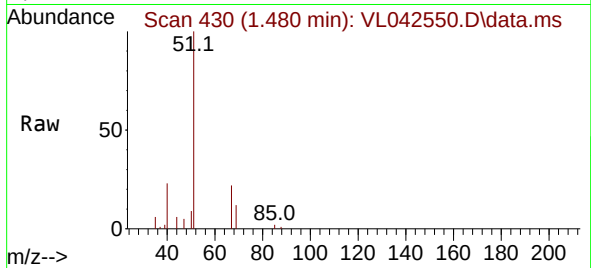




#3
Chlorodifluoromethane
Concen: 0.111 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

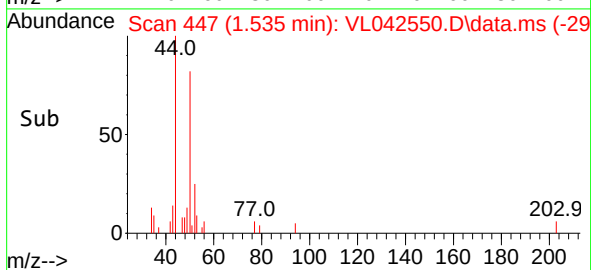
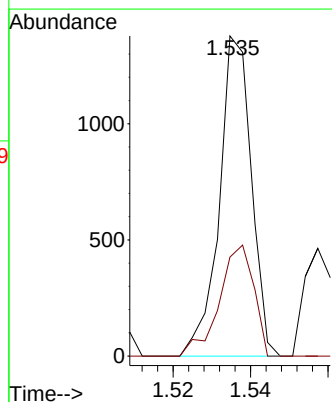
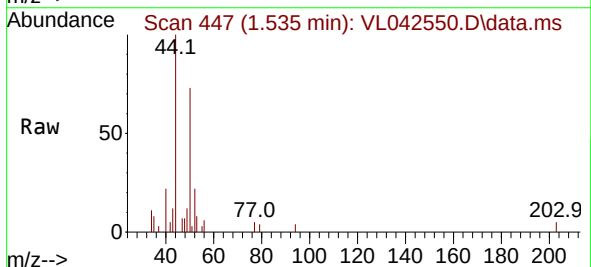
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

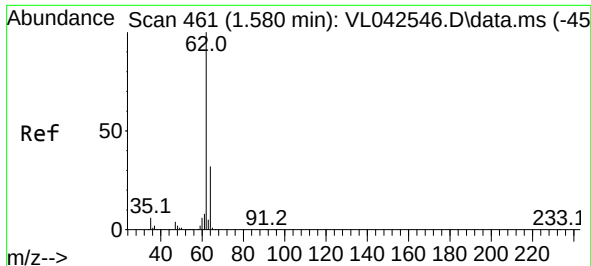
Tgt Ion: 51 Resp: 1988
Ion Ratio Lower Upper
51 100
67 21.4 16.6 25.0



#4
Chloromethane
Concen: 0.113 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 50 Resp: 792
Ion Ratio Lower Upper
50 100
52 30.9 26.9 40.3

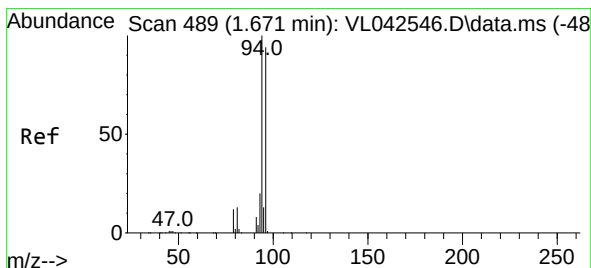
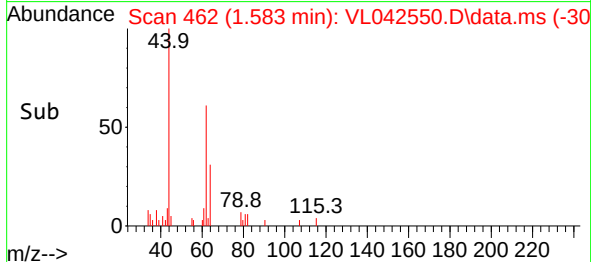
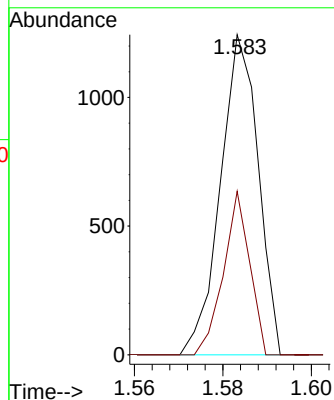
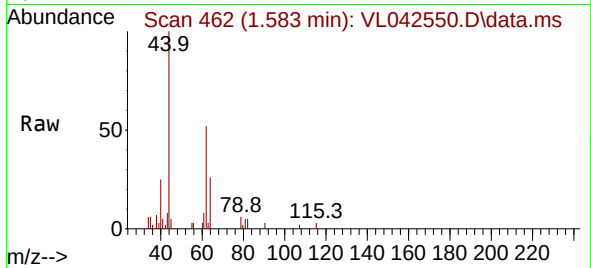




#5
 Vinyl Chloride
 Concen: 0.095 ppbv
 RT: 1.583 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

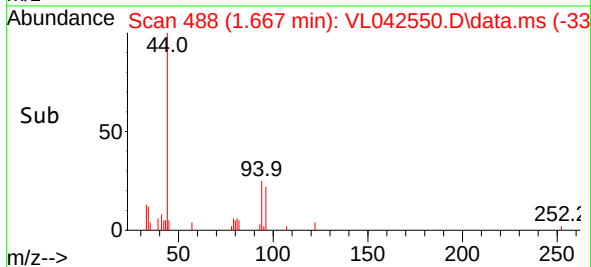
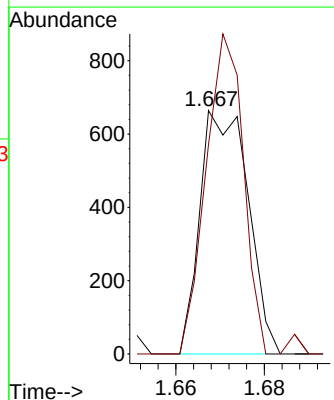
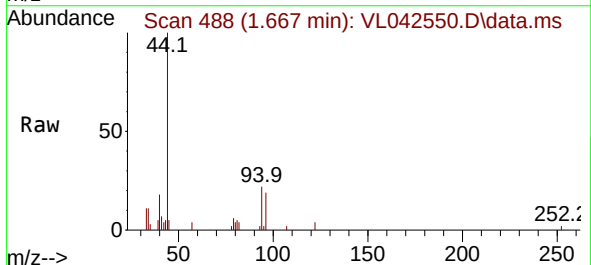
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

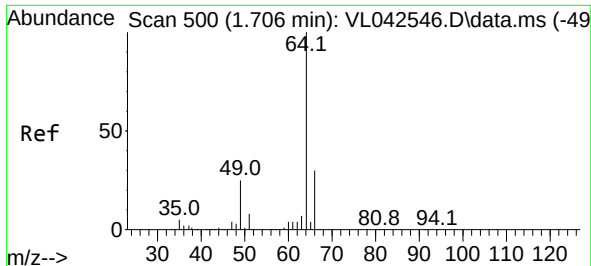
Tgt Ion: 62 Resp: 738
 Ion Ratio Lower Upper
 62 100
 64 51.0 25.7 38.5#



#6
 Bromomethane
 Concen: 0.112 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Tgt Ion: 94 Resp: 501
 Ion Ratio Lower Upper
 94 100
 96 86.1 74.9 112.3

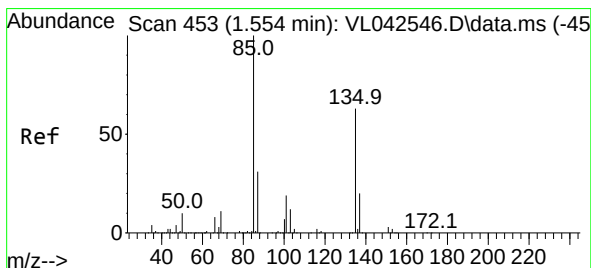
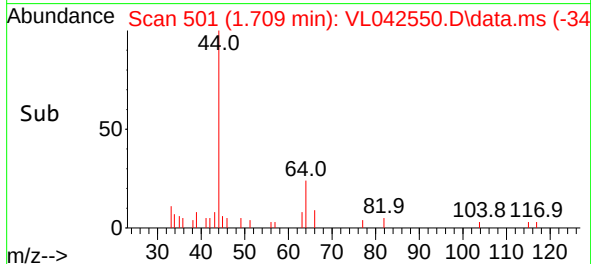
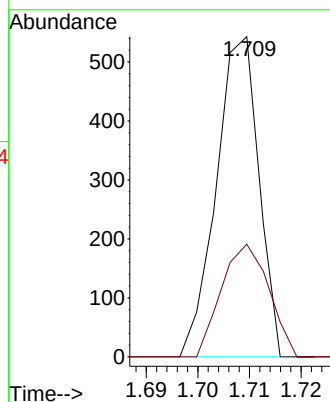
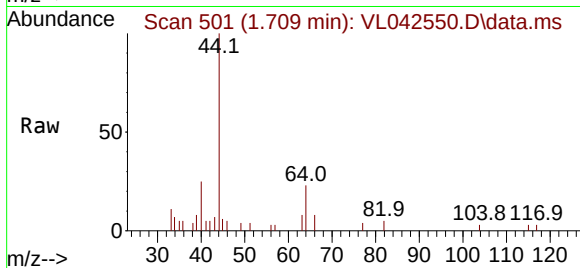




#7
Chloroethane
Concen: 0.100 ppbv
RT: 1.709 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

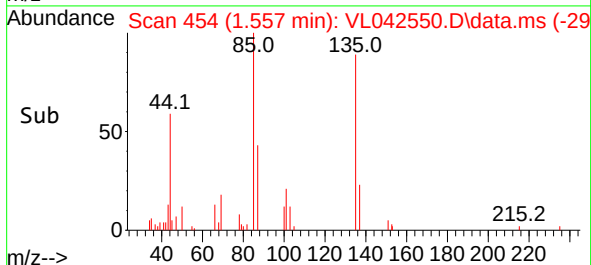
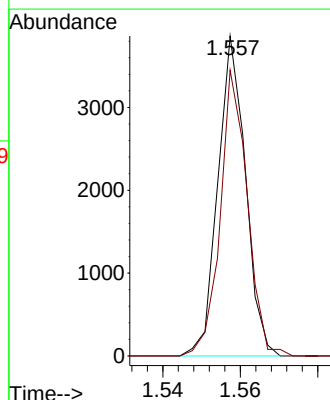
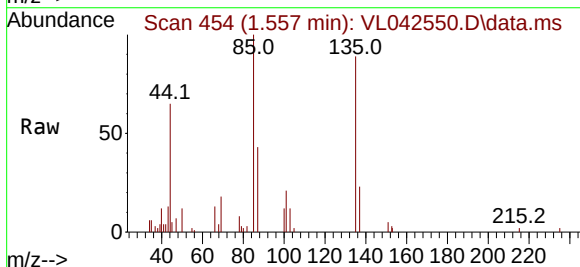
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

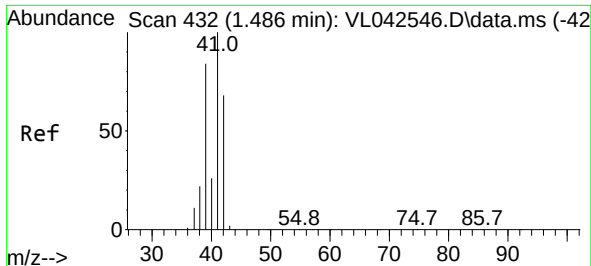
Tgt Ion: 64 Resp: 311
Ion Ratio Lower Upper
64 100
66 35.2 24.4 36.6



#8
Dichlorotetrafluoroethane
Concen: 0.103 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 85 Resp: 1911
Ion Ratio Lower Upper
85 100
135 87.3 57.2 85.8#





#9

Propene

Concen: 0.120 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

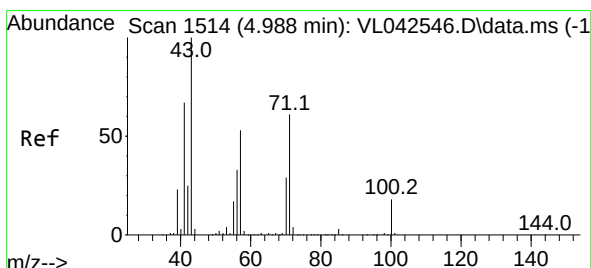
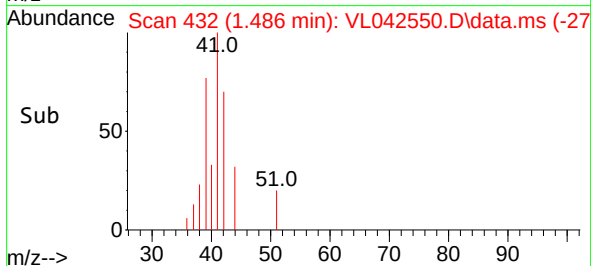
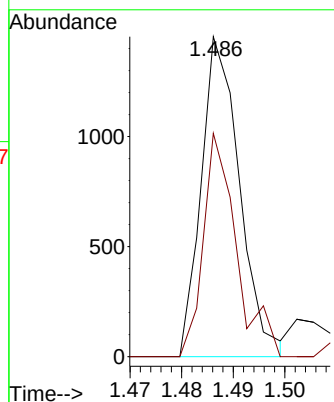
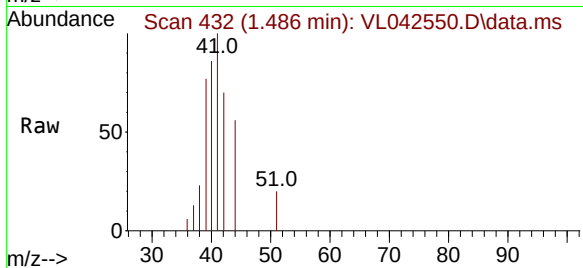
VSTDIC0.1

Tgt Ion: 41 Resp: 749

Ion Ratio Lower Upper

41 100

42 61.7 55.0 82.4



#10

Heptane

Concen: 0.023 ppbv

RT: 5.001 min Scan# 1518

Delta R.T. 0.013 min

Lab File: VL042550.D

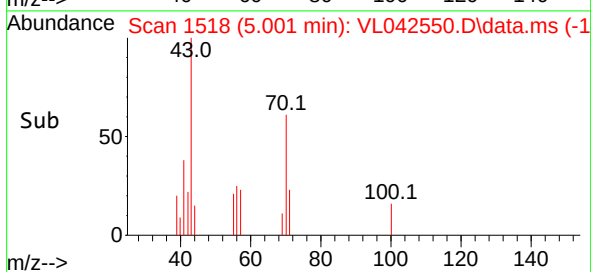
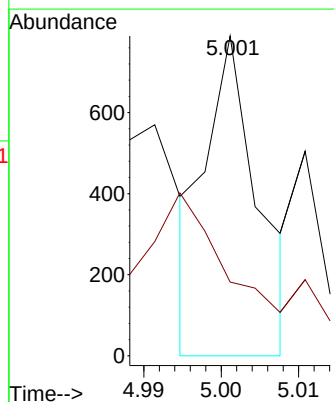
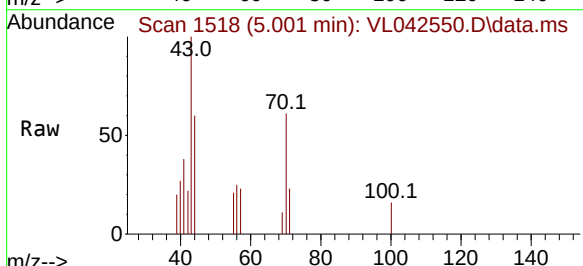
Acq: 20 May 2025 11:22

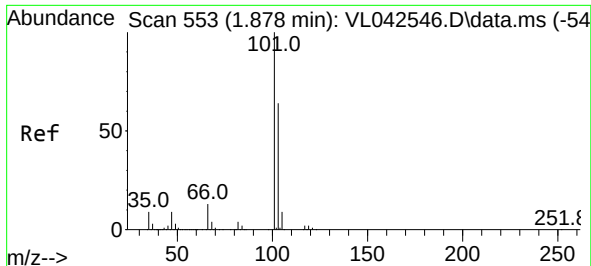
Tgt Ion: 43 Resp: 372

Ion Ratio Lower Upper

43 100

57 0.0 43.4 65.0#

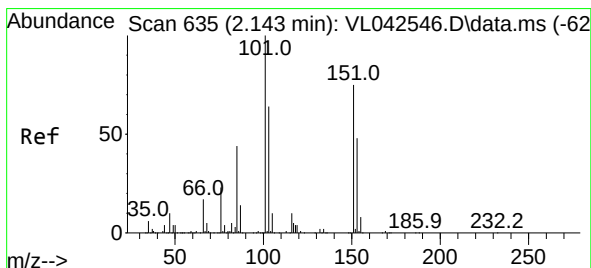
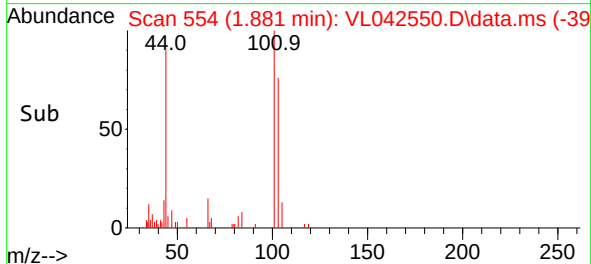
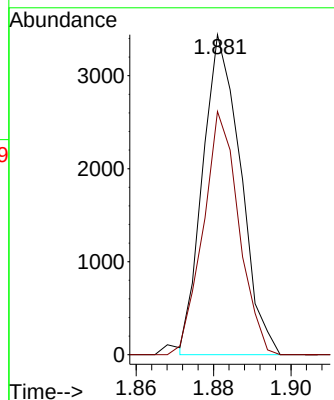
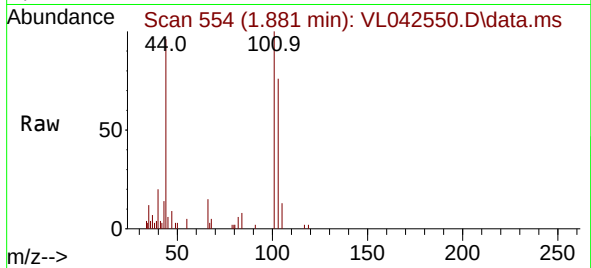




#11
 Trichlorofluoromethane
 Concen: 0.103 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

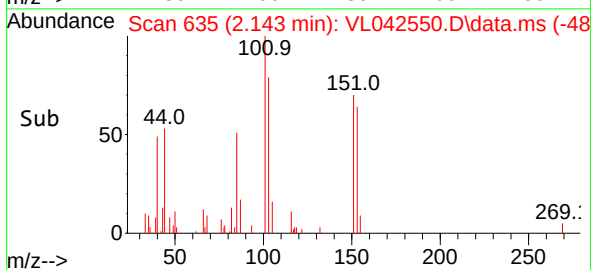
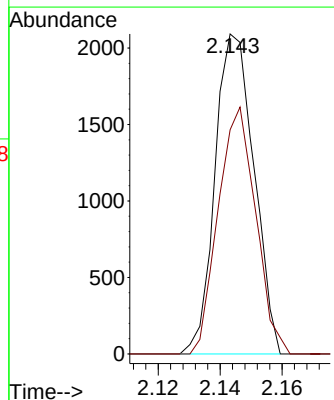
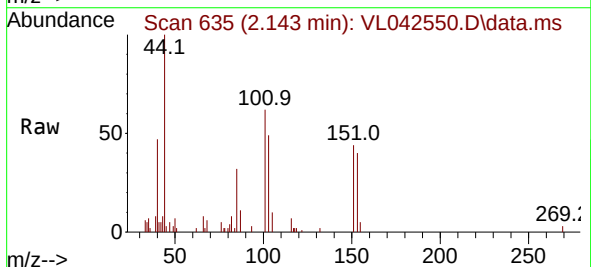
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

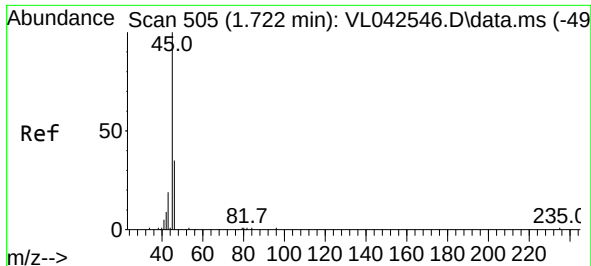
Tgt Ion:101 Resp: 2335
 Ion Ratio Lower Upper
 101 100
 103 76.0 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.099 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Tgt Ion:101 Resp: 1824
 Ion Ratio Lower Upper
 101 100
 151 74.5 59.5 89.3

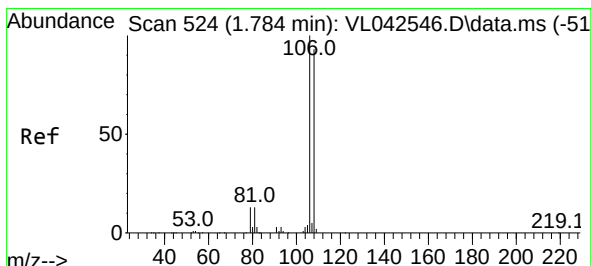
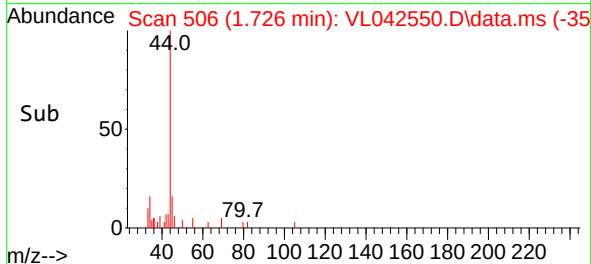
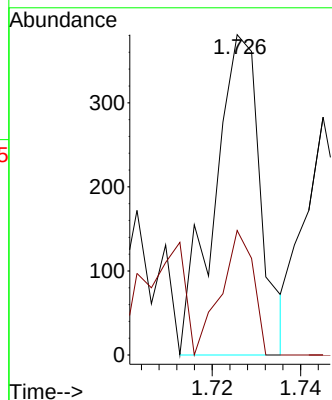
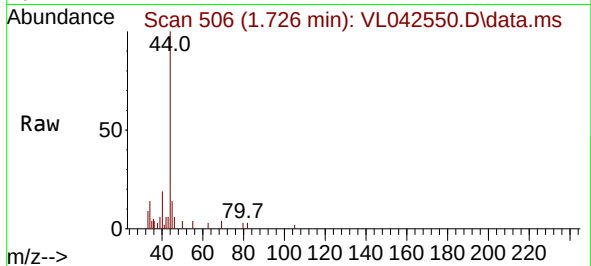




#13
Ethanol
Concen: 0.307 ppbv
RT: 1.726 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

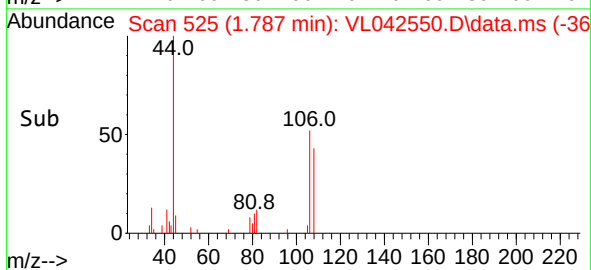
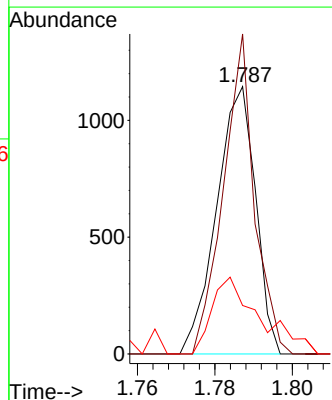
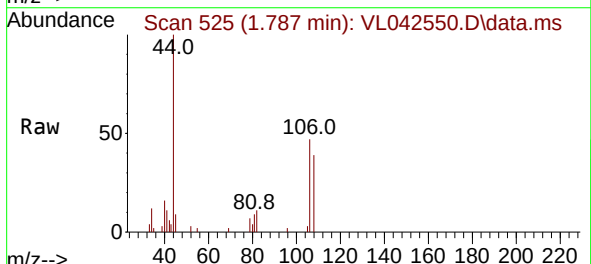
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

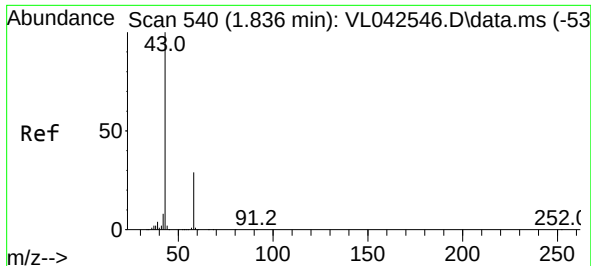
Tgt Ion: 45 Resp: 278
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3#



#14
Bromoethene
Concen: 0.116 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 108 Resp: 801
Ion Ratio Lower Upper
108 100
106 95.4 86.4 129.6
79 35.5 11.9 17.9#

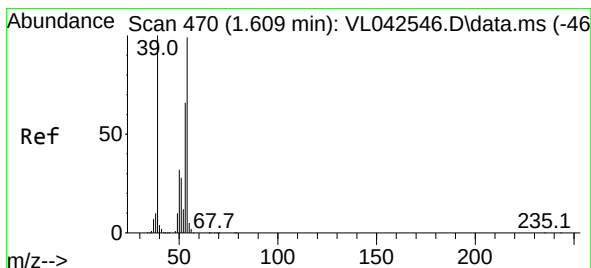
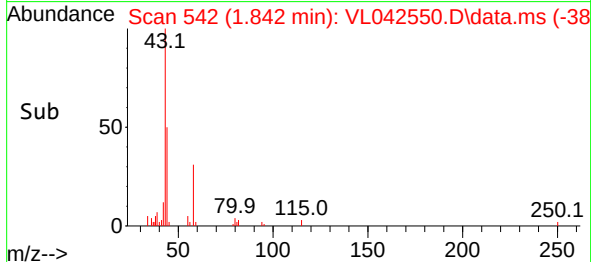
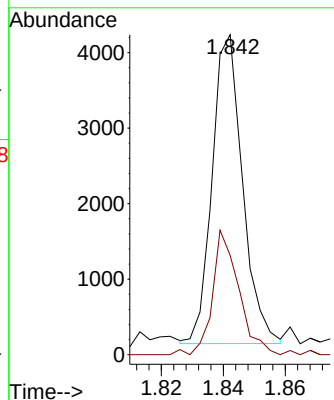
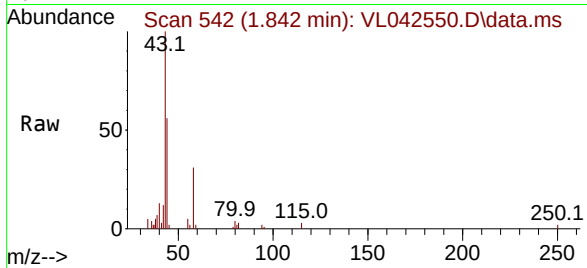




#15
Acetone
Concen: 0.171 ppbv
RT: 1.842 min Scan# 540
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

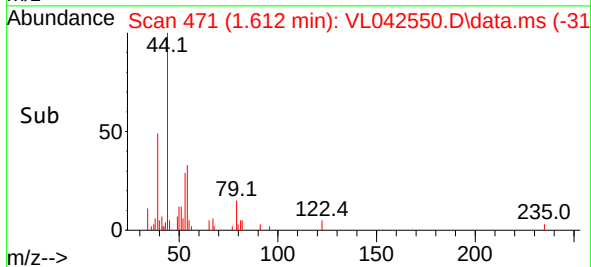
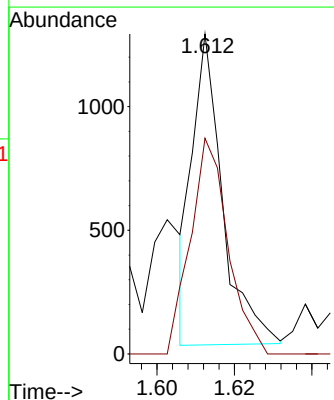
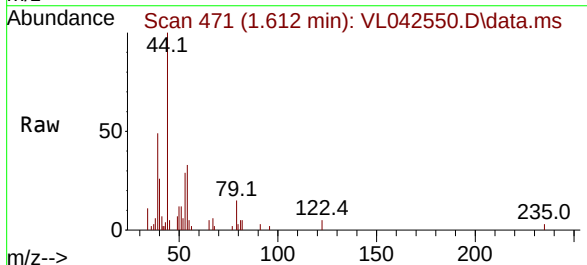
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

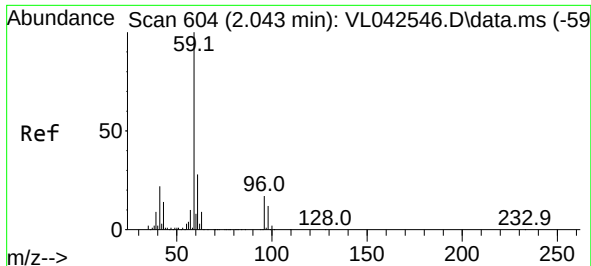
Tgt Ion: 43 Resp: 2785
Ion Ratio Lower Upper
43 100
58 35.6 24.2 36.2



#16
1,3-Butadiene
Concen: 0.102 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 39 Resp: 676
Ion Ratio Lower Upper
39 100
54 90.5 71.8 107.8

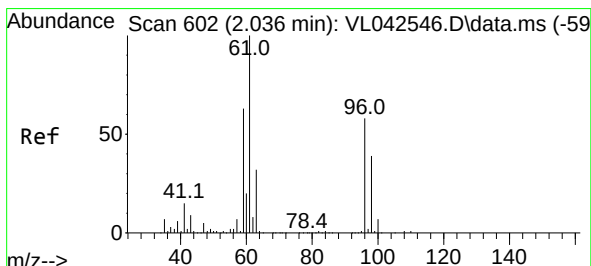
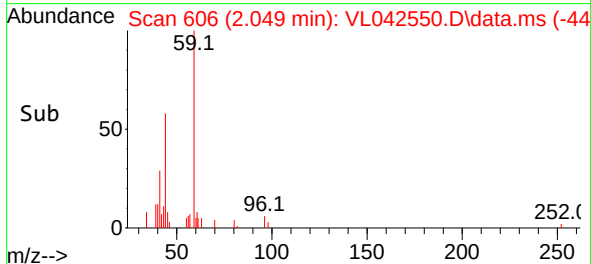
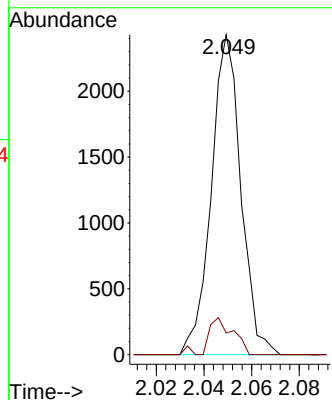
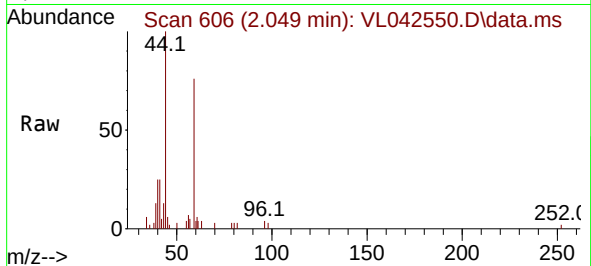




#17
tert-Butyl alcohol
Concen: 0.111 ppbv
RT: 2.049 min Scan# 604
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

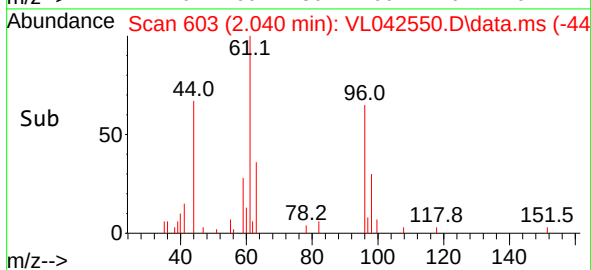
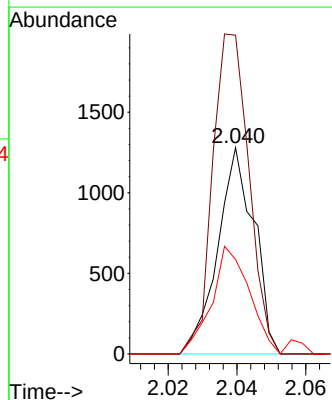
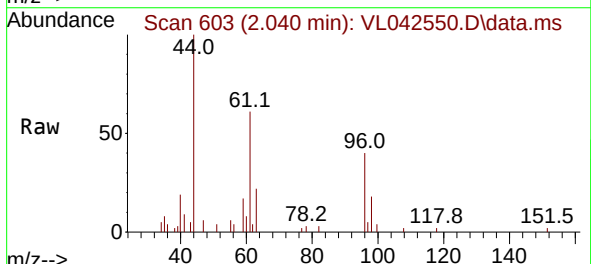
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

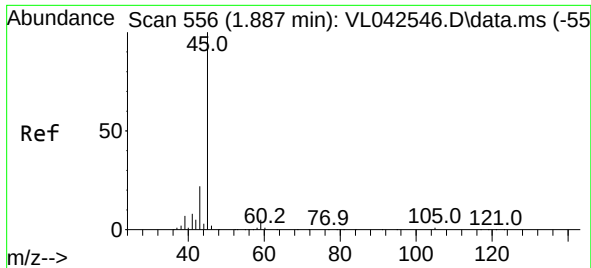
Tgt Ion: 59 Resp: 2094
Ion Ratio Lower Upper
59 100
57 9.7 8.2 12.2



#18
1,1-Dichloroethene
Concen: 0.113 ppbv
RT: 2.040 min Scan# 603
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 96 Resp: 940
Ion Ratio Lower Upper
96 100
61 154.4 137.5 206.3
98 45.8 53.2 79.8#

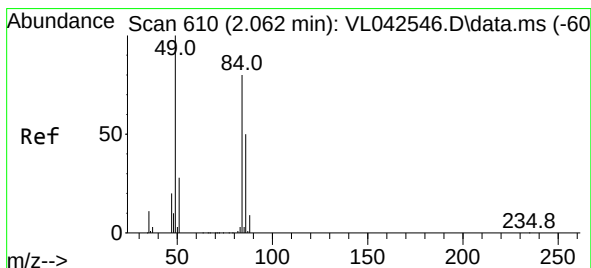
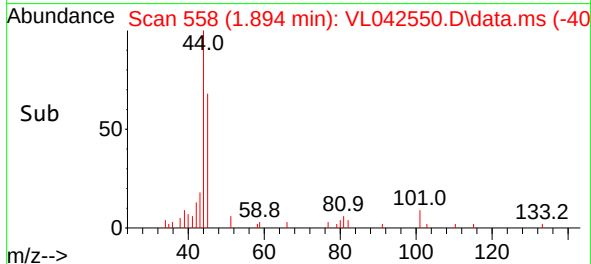
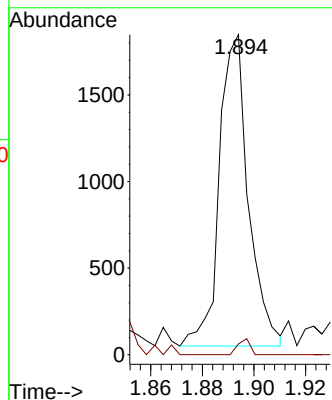
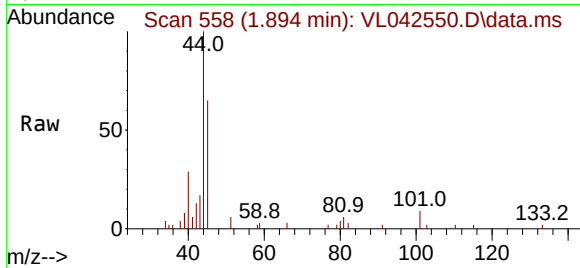




#19
Isopropyl Alcohol
Concen: 0.152 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

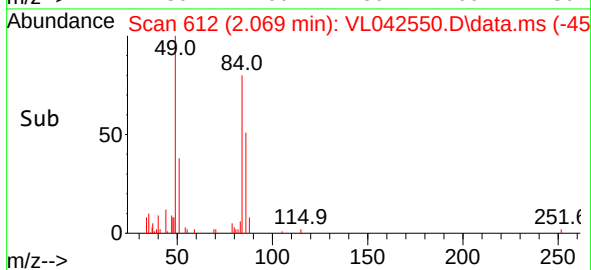
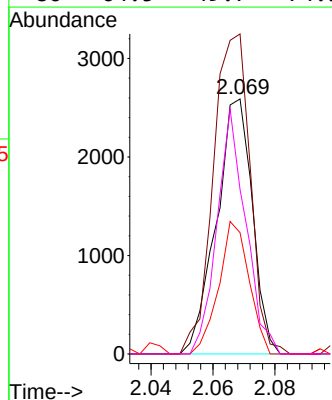
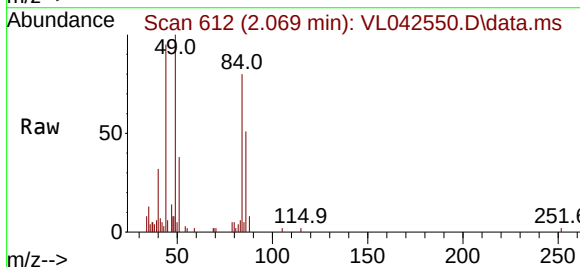
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

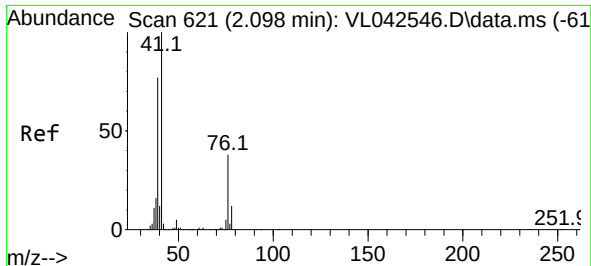
Tgt Ion: 45 Resp: 1407
Ion Ratio Lower Upper
45 100
58 70.4 35.3 52.9#



#20
Methylene Chloride
Concen: 0.266 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 84 Resp: 2093
Ion Ratio Lower Upper
84 100
49 125.5 99.7 149.5
51 47.6 29.7 44.5#
86 64.5 49.7 74.5

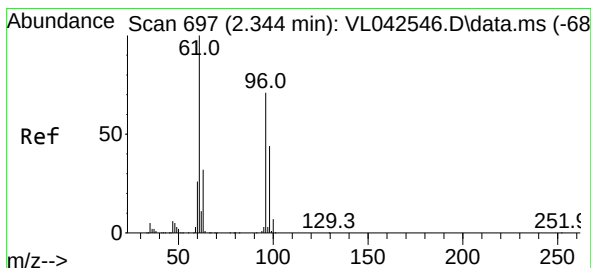
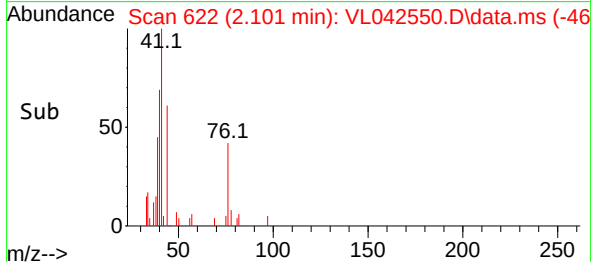
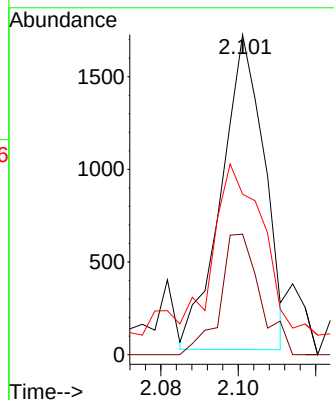
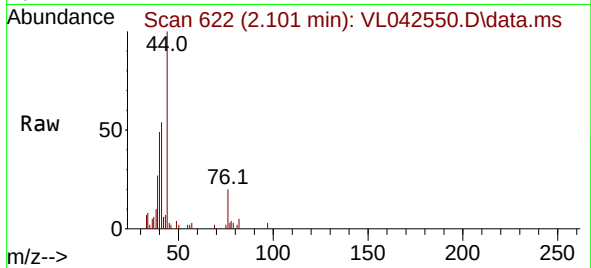




#21
 Allyl Chloride
 Concen: 0.125 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

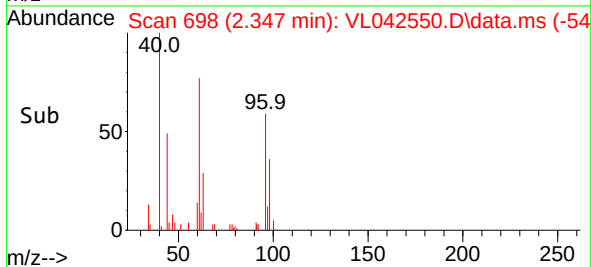
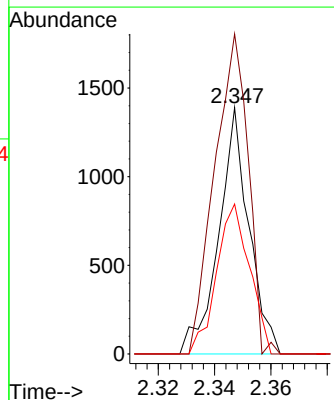
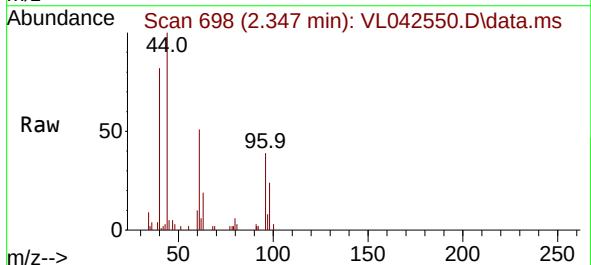
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

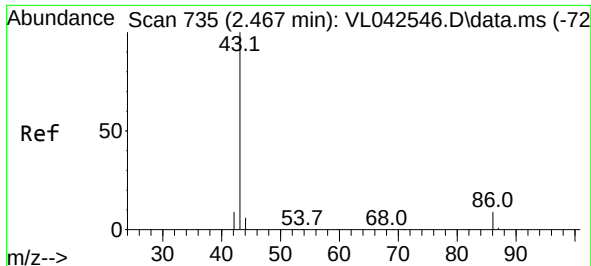
Tgt Ion: 41 Resp: 1306
 Ion Ratio Lower Upper
 41 100
 76 35.5 30.2 45.4
 39 96.6 62.5 93.7#



#22
 trans-1,2-Dichloroethene
 Concen: 0.112 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Tgt Ion: 96 Resp: 1033
 Ion Ratio Lower Upper
 96 100
 61 129.9 112.5 168.7
 98 60.9 49.0 73.4

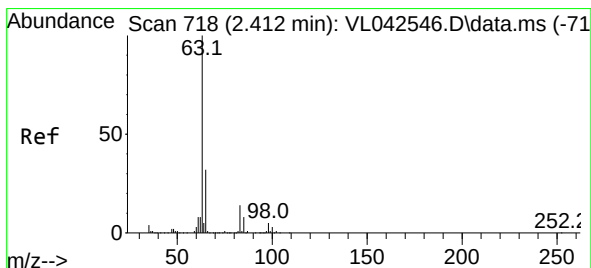
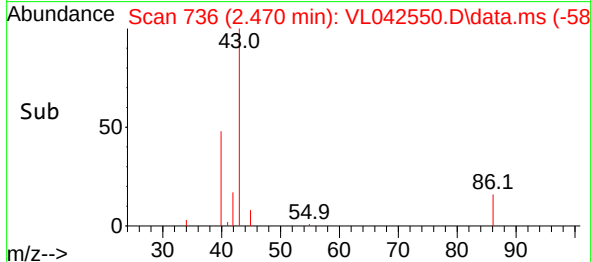
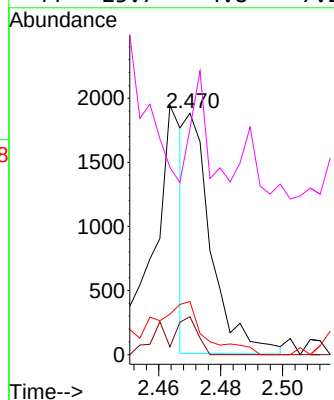
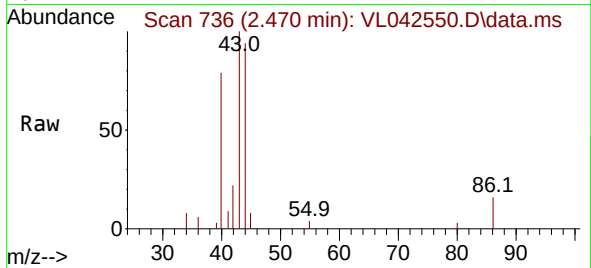




#23
 Vinyl Acetate
 Concen: 0.057 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

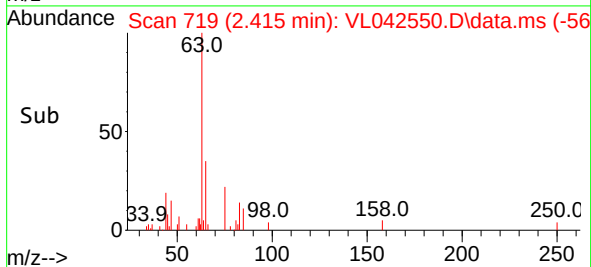
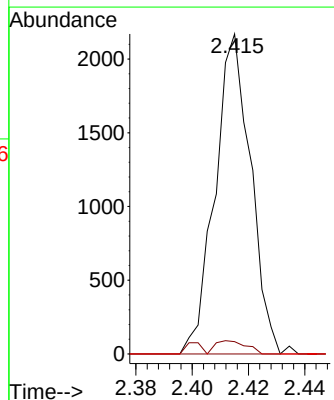
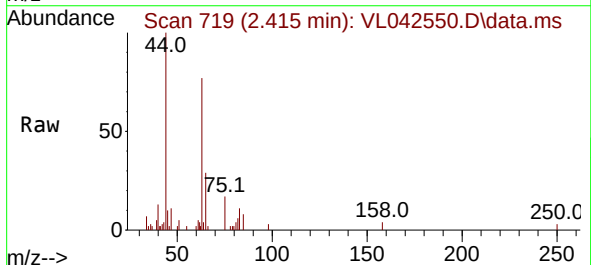
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

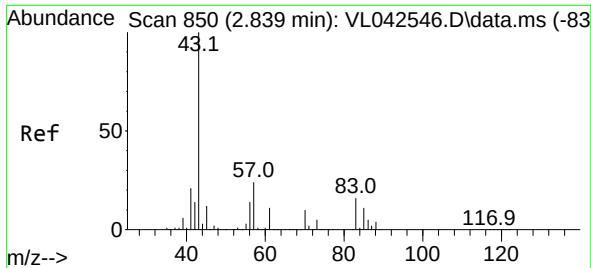
Tgt Ion: 43	Resp:	1076	
Ion	Ratio	Lower	Upper
43	100		
86	16.2	7.0	10.6#
42	22.7	7.4	11.2#
44	23.7	4.8	7.2#



#24
 1,1-Dichloroethane
 Concen: 0.121 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Tgt Ion: 63	Resp:	1905	
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.6	7.8
100	0.0	1.8	5.3#

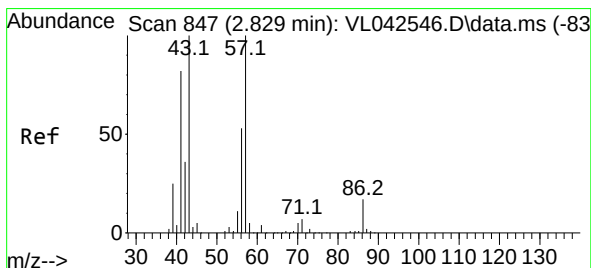
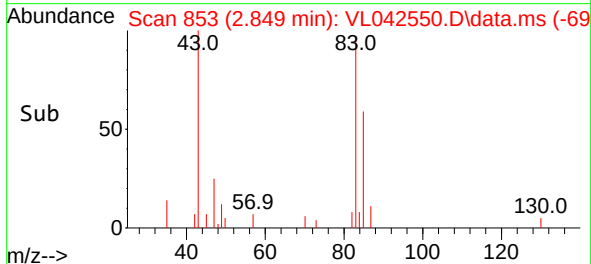
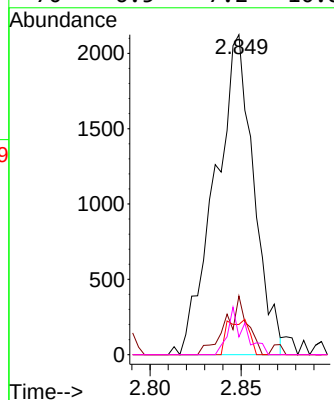
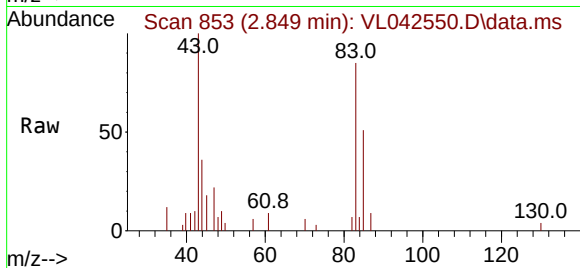




#25
Ethyl Acetate
Concen: 0.099 ppbv
RT: 2.849 min Scan# 811
Delta R.T. 0.010 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

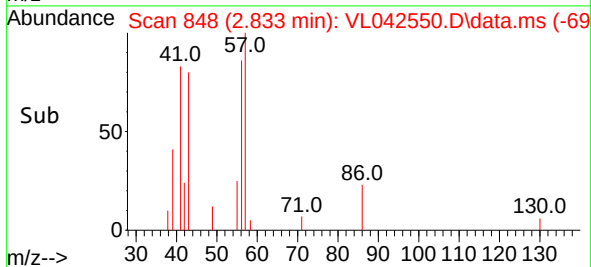
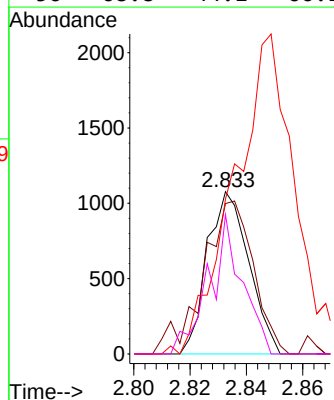
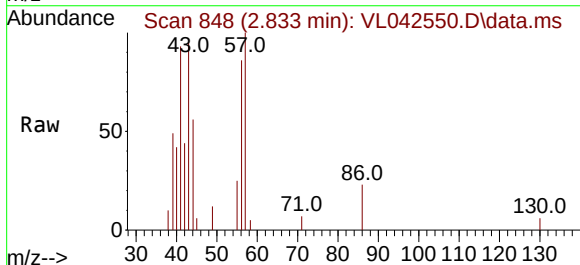
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

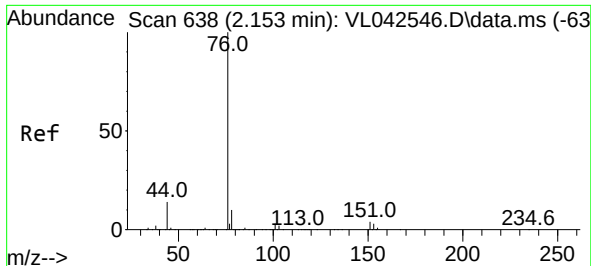
Tgt Ion: 43	Resp: 3115
Ion Ratio	Lower Upper
43 100	
45 11.1	8.0 12.0
61 6.2	7.5 11.3#
70 6.5	7.2 10.8#



#26
Hexane
Concen: 0.078 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt	Ion: 57	Resp:	1104
Ion	Ratio	Lower	Upper
57	100		
41	117.3	69.0	103.4#
43	295.2	174.2	261.2#
56	68.8	44.1	66.1#

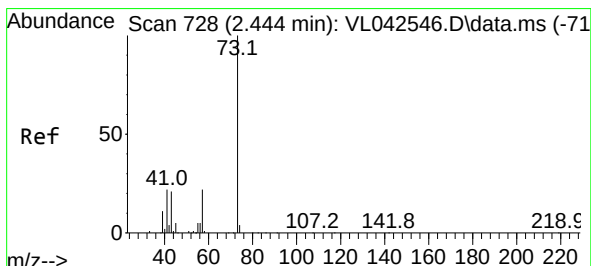
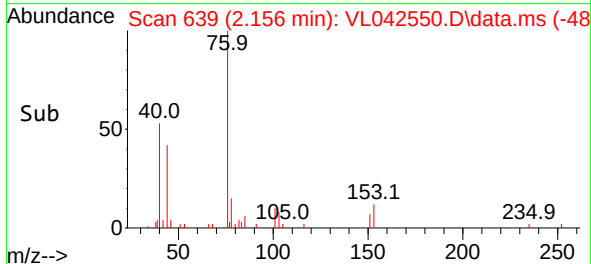
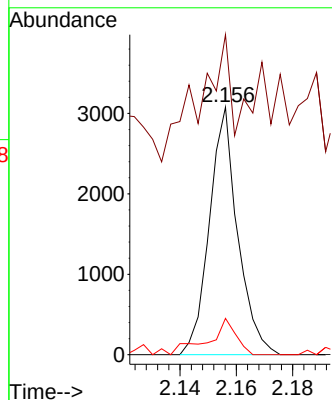
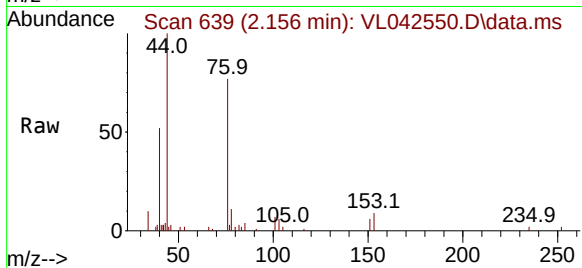




#27
Carbon Disulfide
Concen: 0.104 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

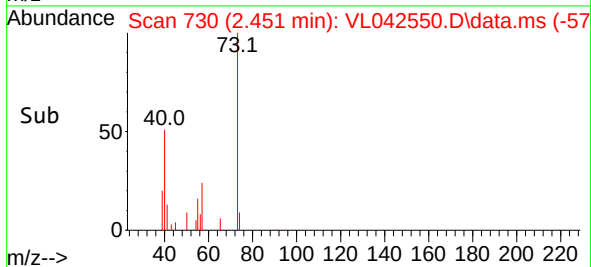
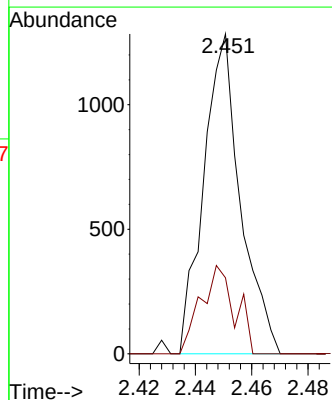
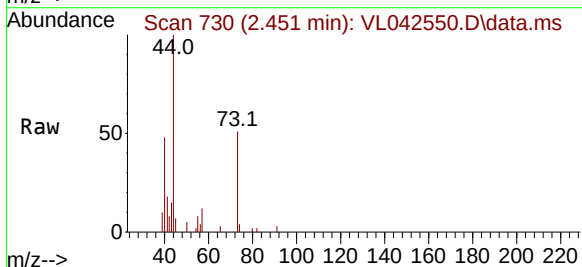
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

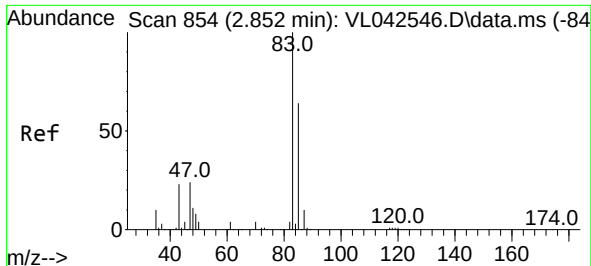
Tgt Ion: 76 Resp: 2150
Ion Ratio Lower Upper
76 100
44 104.7 14.0 21.0#
78 14.8 9.4 14.0#



#28
Methyl tert-Butyl Ether
Concen: 0.122 ppbv
RT: 2.451 min Scan# 730
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 73 Resp: 1165
Ion Ratio Lower Upper
73 100
57 25.5 17.2 25.8





#29

Chloroform

Concen: 0.104 ppbv

RT: 2.855 min Scan# 8

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

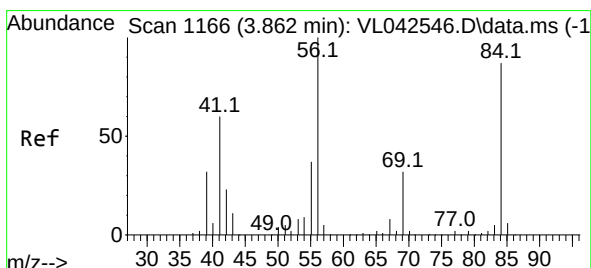
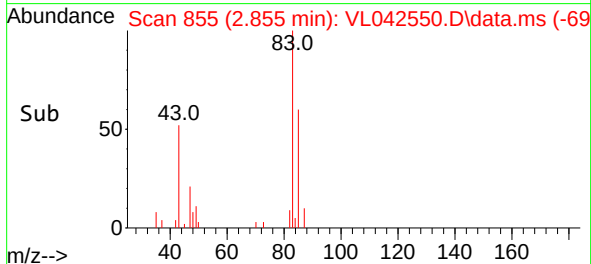
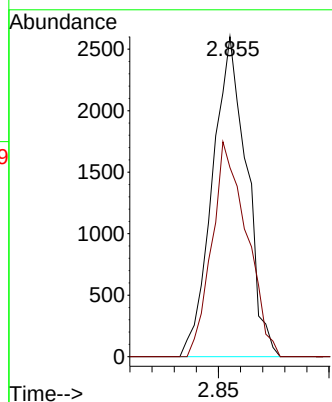
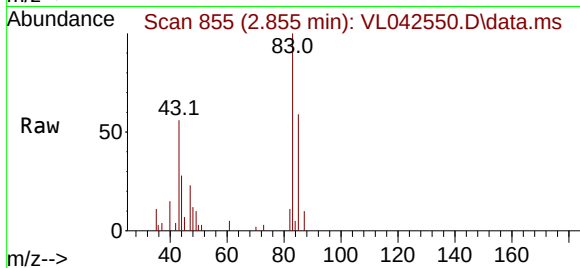
VSTDIC0.1

Tgt Ion: 83 Resp: 2793

Ion Ratio Lower Upper

83 100

85 59.1 51.6 77.4



#30

Cyclohexane

Concen: 0.057 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.000 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

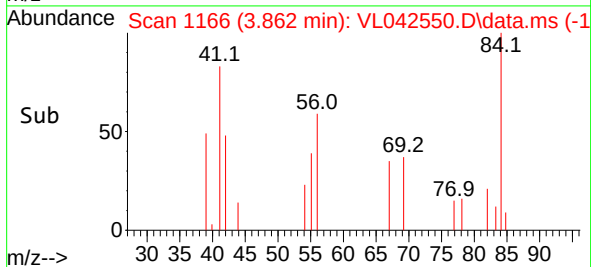
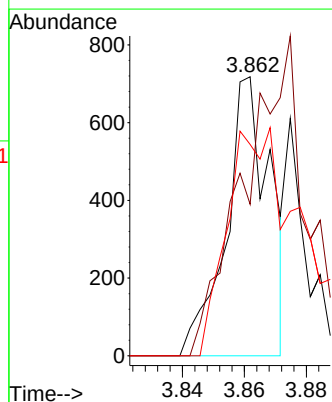
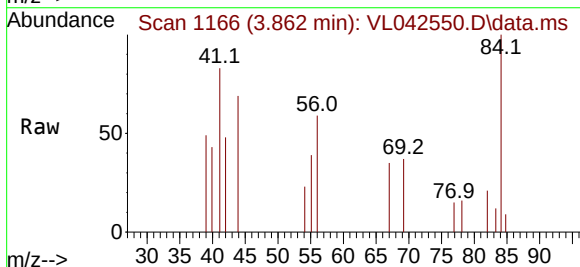
Tgt Ion: 84 Resp: 701

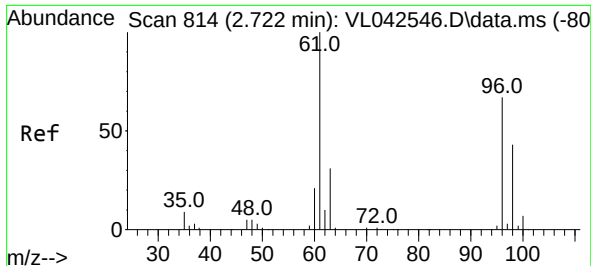
Ion Ratio Lower Upper

84 100

56 0.0 92.3 138.5#

41 137.1 57.0 85.4#

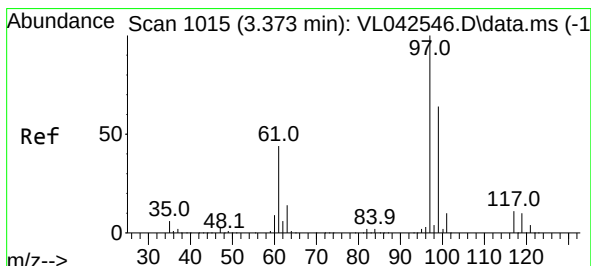
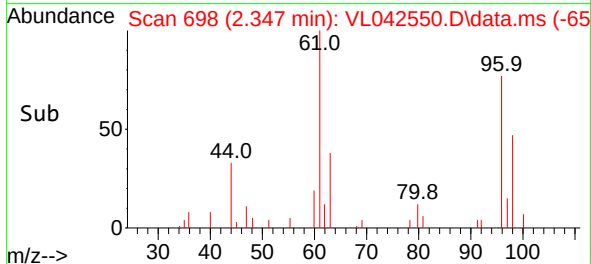
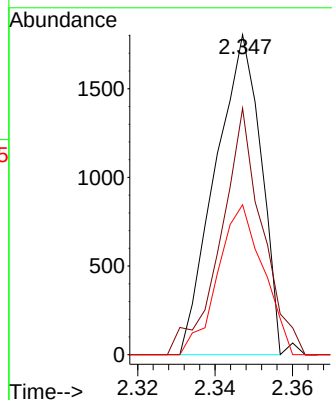
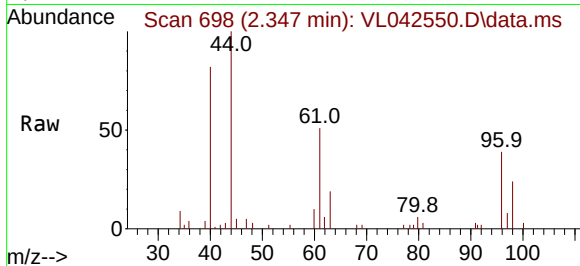




#31
 cis-1,2-Dichloroethene
 Concen: 0.095 ppbv
 RT: 2.347 min Scan# 61
 Delta R.T. -0.375 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

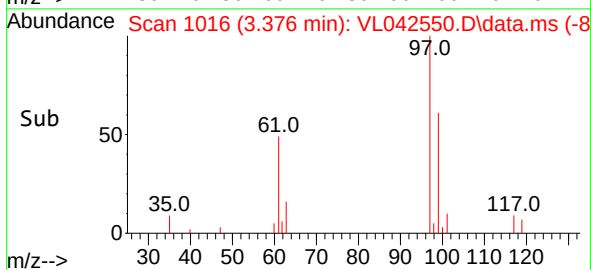
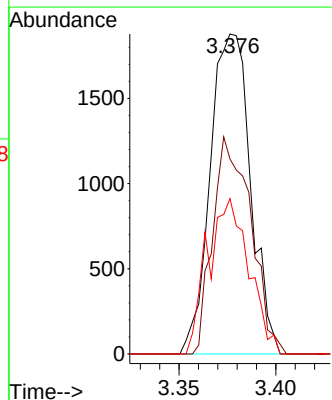
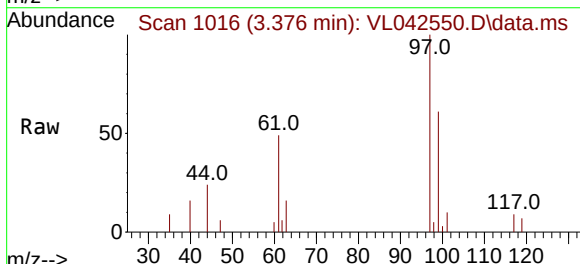
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

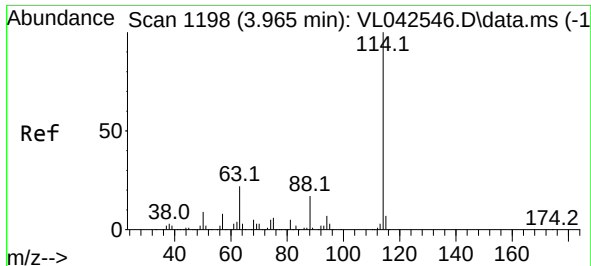
Tgt Ion: 61 Resp: 1479
 Ion Ratio Lower Upper
 61 100
 96 68.5 53.8 80.8
 98 46.9 34.5 51.7



#32
 1,1,1-Trichloroethane
 Concen: 0.099 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Tgt Ion: 97 Resp: 2721
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.5 77.3
 61 50.0 35.7 53.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

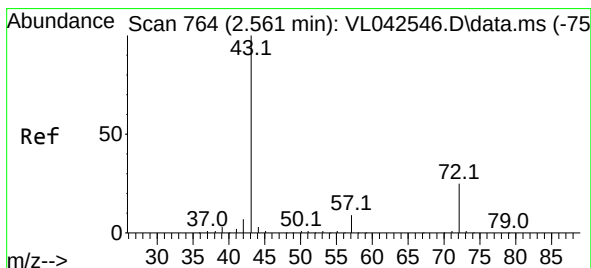
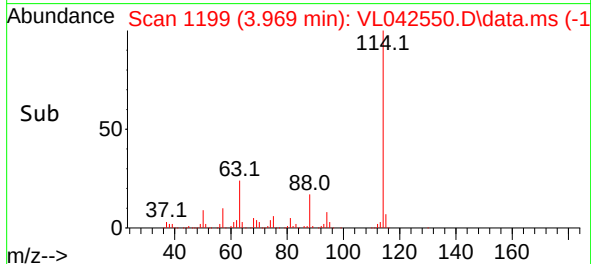
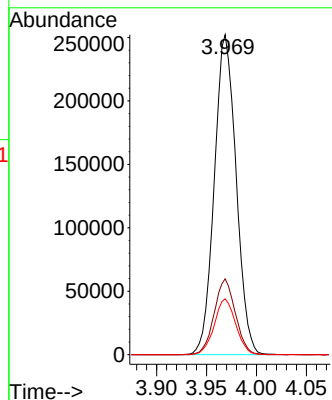
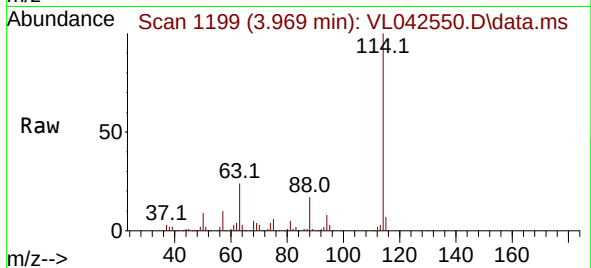
Tgt Ion:114 Resp: 382934

Ion Ratio Lower Upper

114 100

63 23.1 18.4 27.6

88 17.1 14.0 21.0



#34

2-Butanone

Concen: 0.103 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.010 min

Lab File: VL042550.D

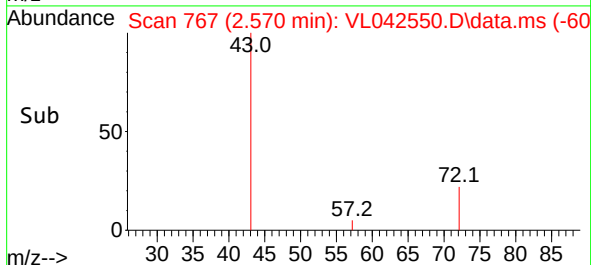
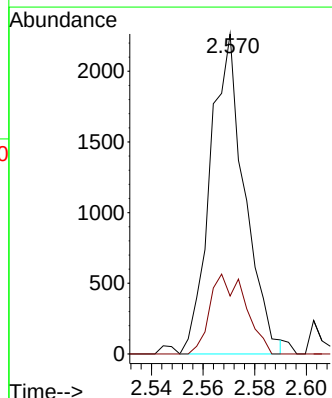
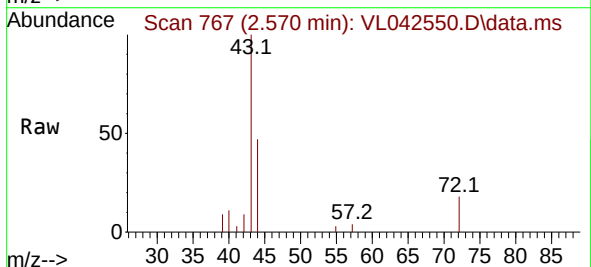
Acq: 20 May 2025 11:22

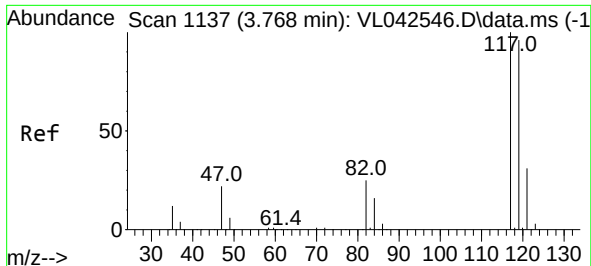
Tgt Ion: 43 Resp: 2095

Ion Ratio Lower Upper

43 100

72 25.8 20.5 30.7

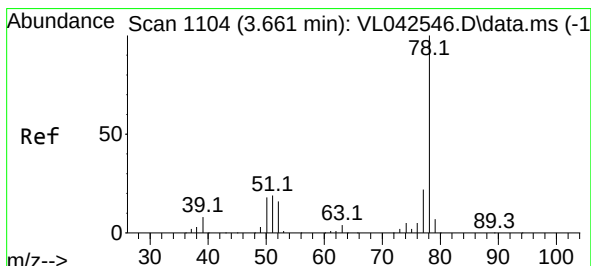
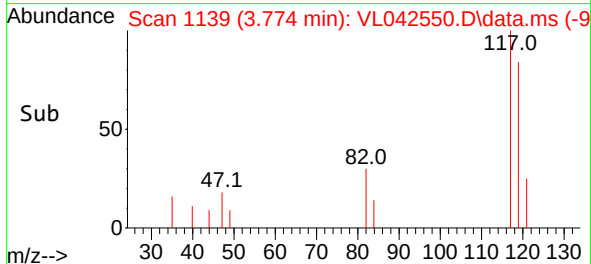
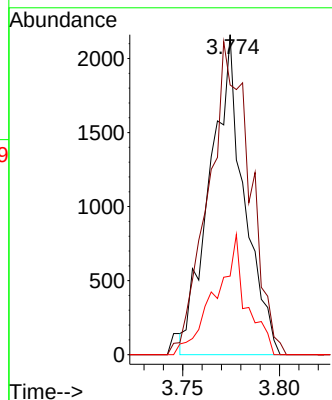
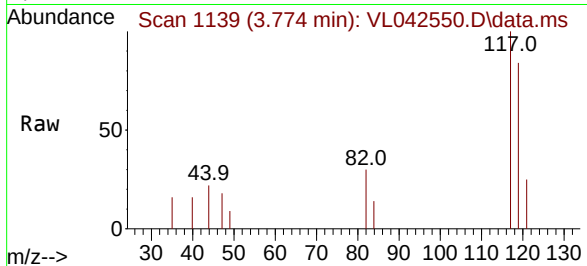




#35
Carbon Tetrachloride
Concen: 0.090 ppbv
RT: 3.774 min Scan# 1137
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

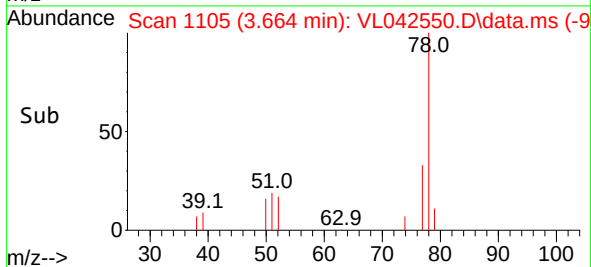
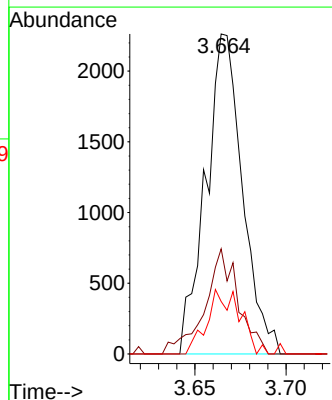
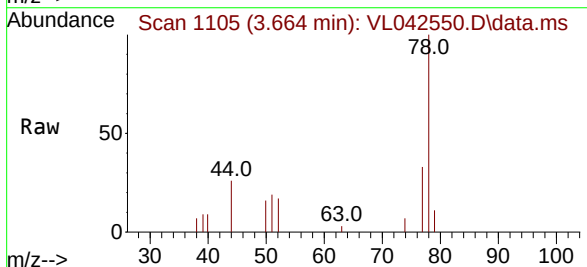
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

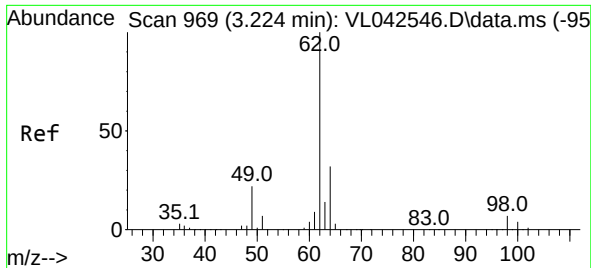
Tgt Ion:117 Resp: 2638
Ion Ratio Lower Upper
117 100
119 80.6 76.6 114.8
121 24.5 24.7 37.1#



#36
Benzene
Concen: 0.102 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 78 Resp: 3171
Ion Ratio Lower Upper
78 100
77 32.8 17.8 26.6#
50 16.4 14.0 21.0

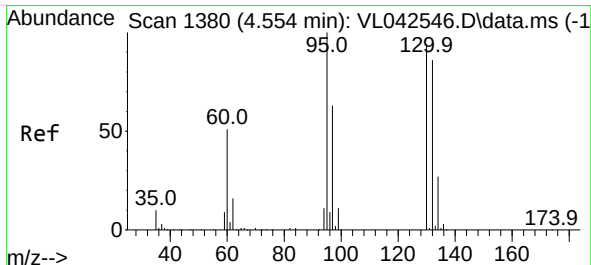
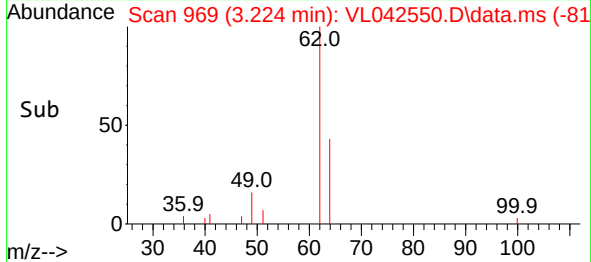
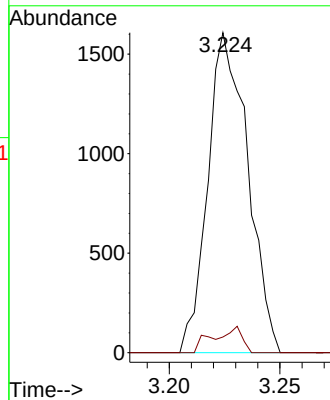
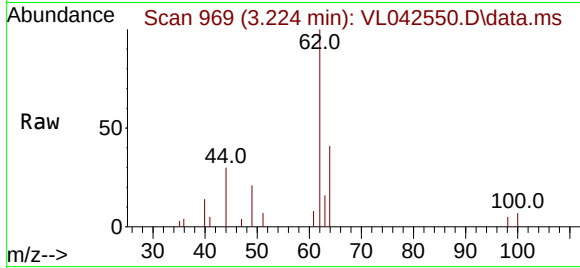




#37
1,2-Dichloroethane
Concen: 0.106 ppbv
RT: 3.224 min Scan# 969
Delta R.T. 0.000 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

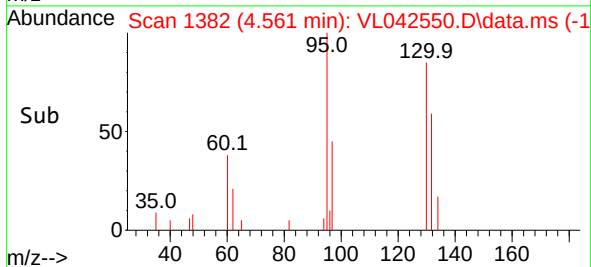
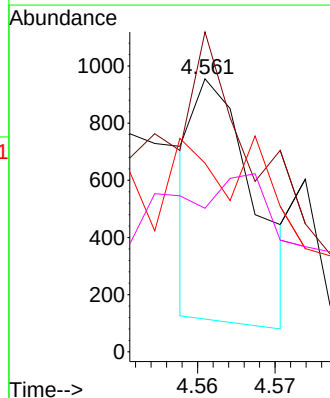
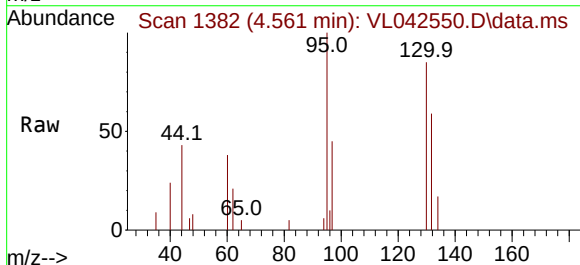
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

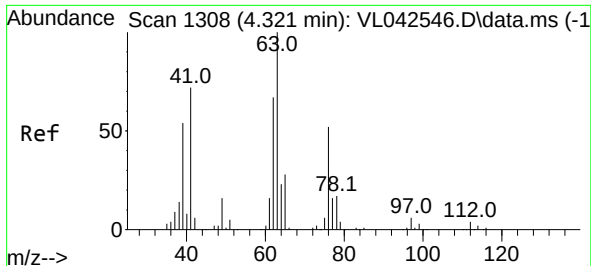
Tgt Ion: 62 Resp: 2016
Ion Ratio Lower Upper
62 100
98 5.8 5.5 8.3



#38
Trichloroethene
Concen: 0.032 ppbv
RT: 4.561 min Scan# 1382
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion:130 Resp: 450
Ion Ratio Lower Upper
130 100
95 81.4 85.2 127.8#
132 18.2 73.4 110.2#
97 21.8 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 8.120 ppbv

RT: 3.969 min Scan# 11

Delta R.T. -0.353 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

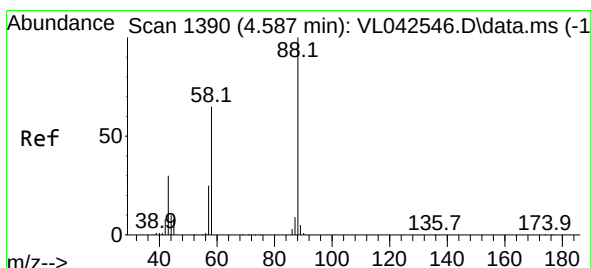
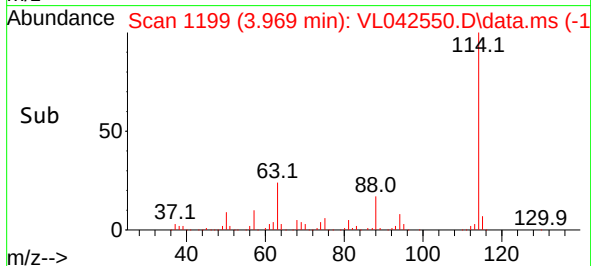
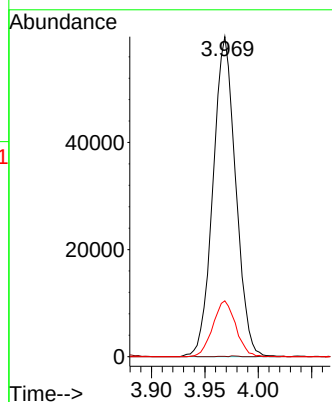
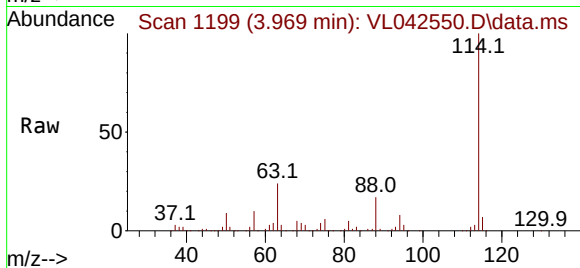
Tgt Ion: 63 Resp: 88316

Ion Ratio Lower Upper

63 100

41 0.1 58.0 87.0#

62 17.4 53.3 79.9#



#40

1,4-Dioxane

Concen: 0.018 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.036 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Tgt Ion: 88 Resp: 90

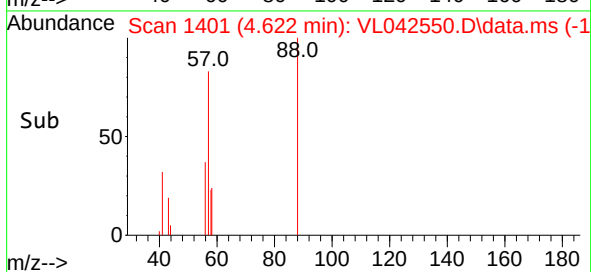
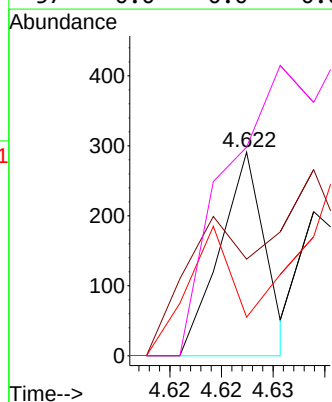
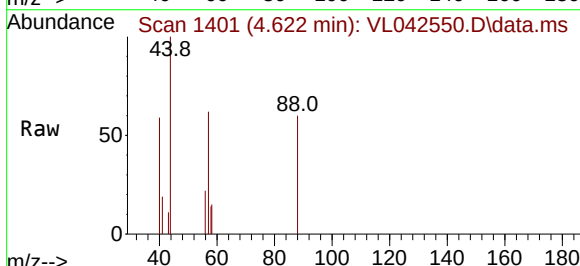
Ion Ratio Lower Upper

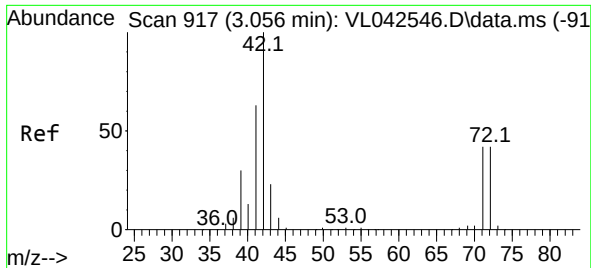
88 100

58 0.0 52.8 79.2#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

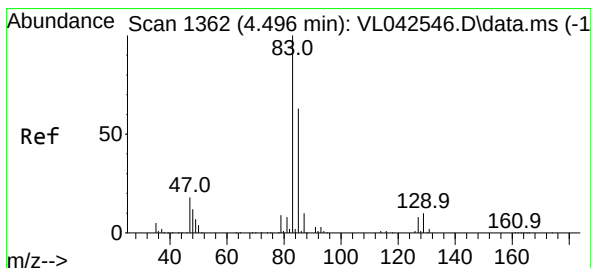
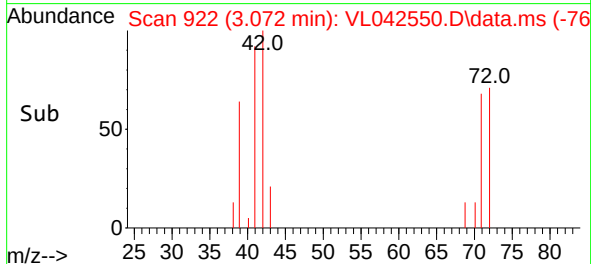
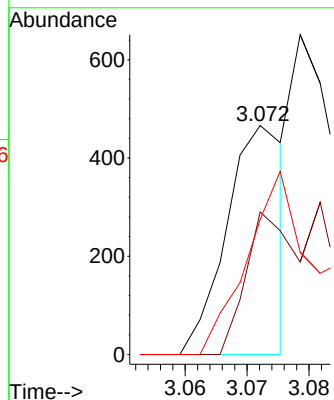
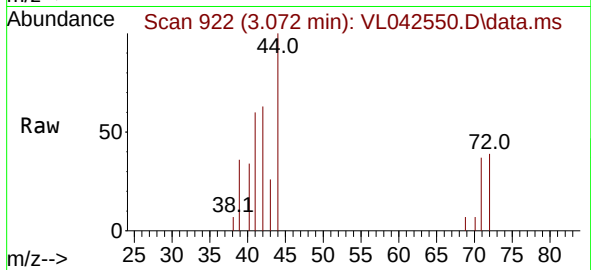




#41
Tetrahydrofuran
Concen: 0.031 ppbv
RT: 3.072 min Scan# 91
Delta R.T. 0.016 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

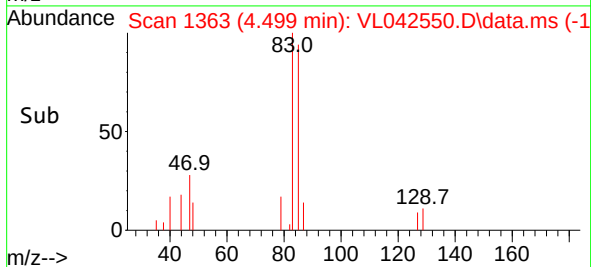
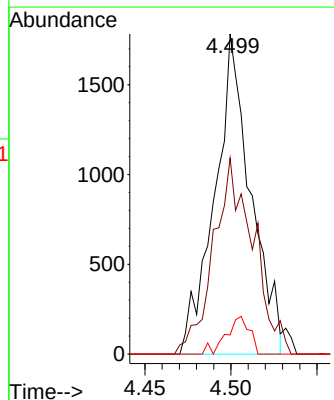
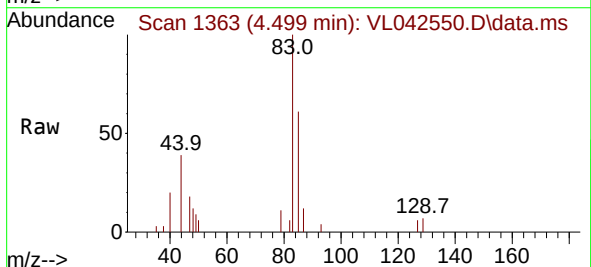
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

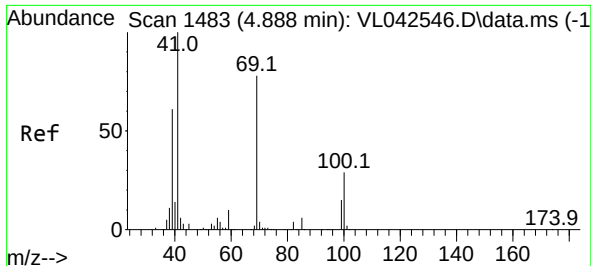
Tgt Ion: 42 Resp: 303
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 0.0 33.6 50.4#



#42
Bromodichloromethane
Concen: 0.097 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 83 Resp: 2602
Ion Ratio Lower Upper
83 100
85 58.3 50.4 75.6
127 6.0 6.5 9.7#

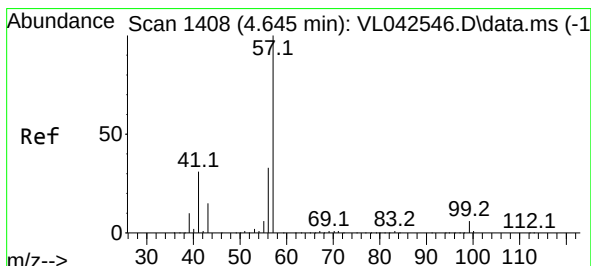
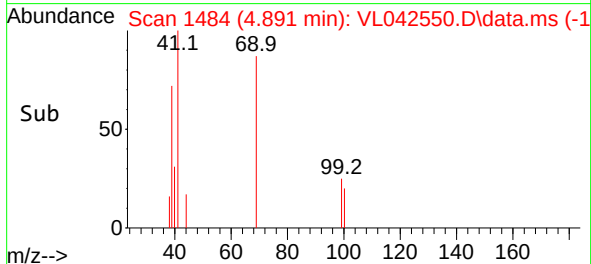
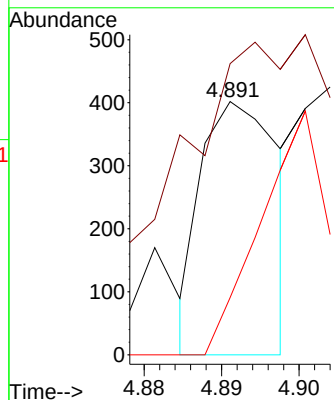
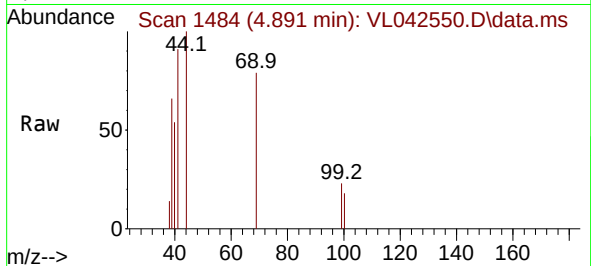




#43
Methyl Methacrylate
Concen: 0.027 ppbv
RT: 4.891 min Scan# 1412
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

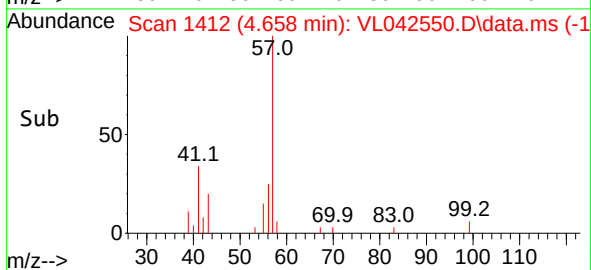
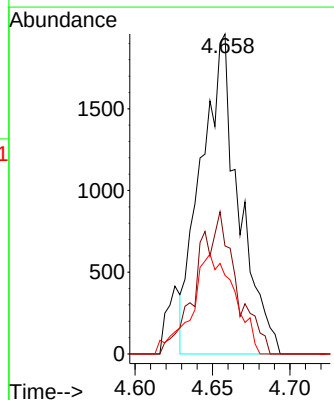
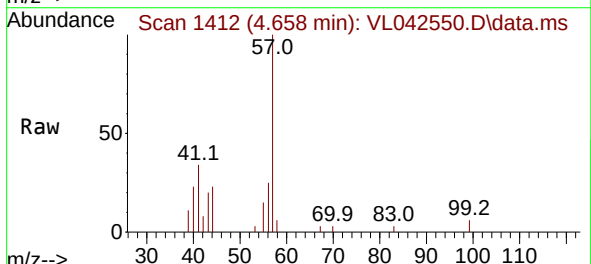
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

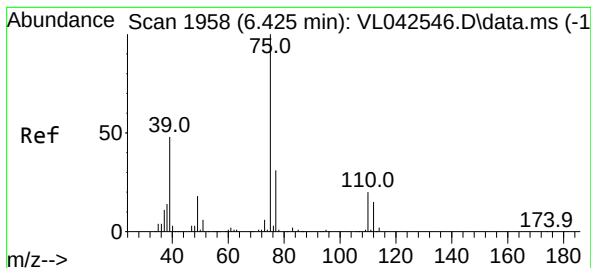
Tgt Ion: 69 Resp: 279
Ion Ratio Lower Upper
69 100
41 0.0 107.8 161.8#
100 0.0 30.3 45.5#



#44
2,2,4-Trimethylpentane
Concen: 0.070 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.013 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 57 Resp: 3315
Ion Ratio Lower Upper
57 100
41 46.9 25.0 37.4#
56 35.4 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 0.034 ppbv

RT: 6.435 min Scan# 1958

Delta R.T. 0.010 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

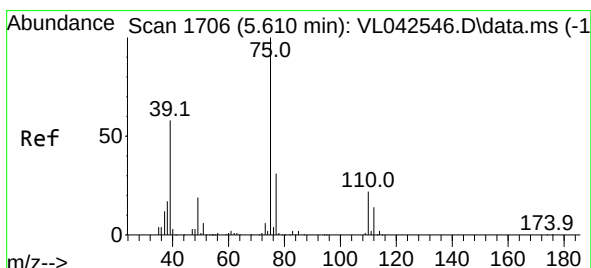
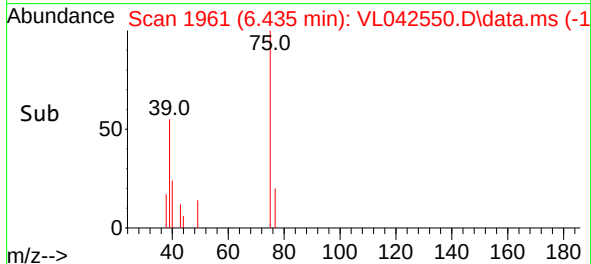
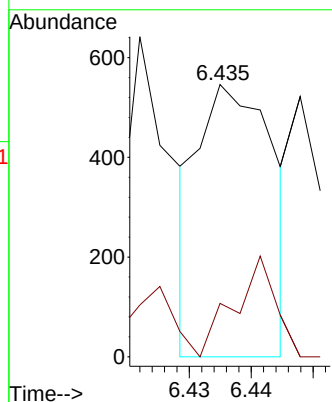
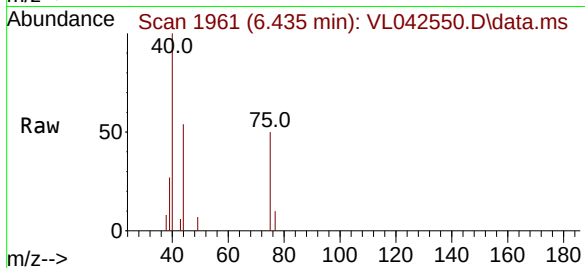
VSTDIC0.1

Tgt Ion: 75 Resp: 455

Ion Ratio Lower Upper

75 100

77 19.6 24.6 37.0#



#46

cis-1,3-Dichloropropene

Concen: 0.029 ppbv

RT: 5.619 min Scan# 1709

Delta R.T. 0.010 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

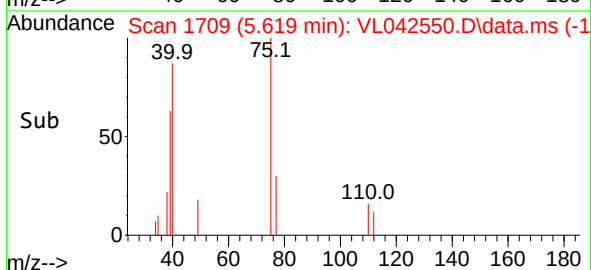
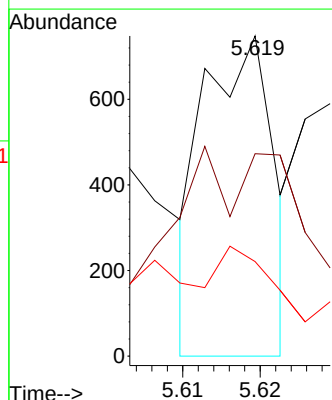
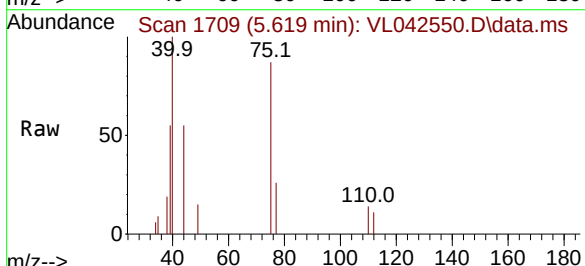
Tgt Ion: 75 Resp: 466

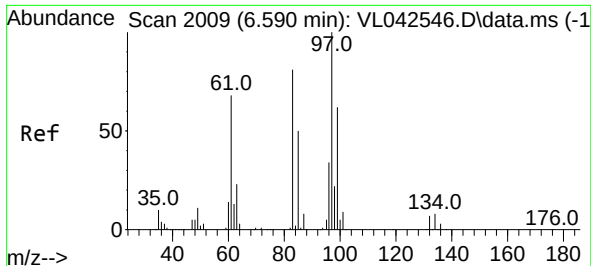
Ion Ratio Lower Upper

75 100

39 34.7 46.3 69.5#

77 15.6 25.0 37.6#





#47

1,1,2-Trichloroethane

Concen: 0.035 ppbv

RT: 6.590 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 452

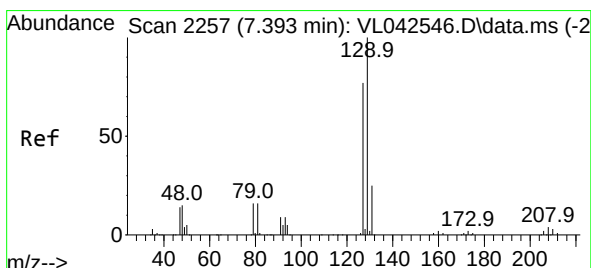
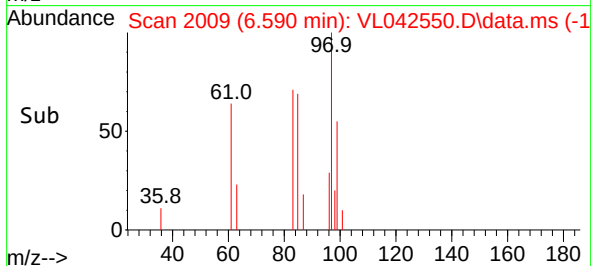
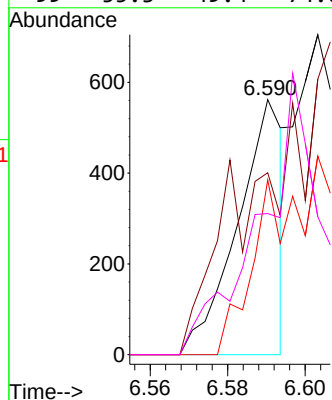
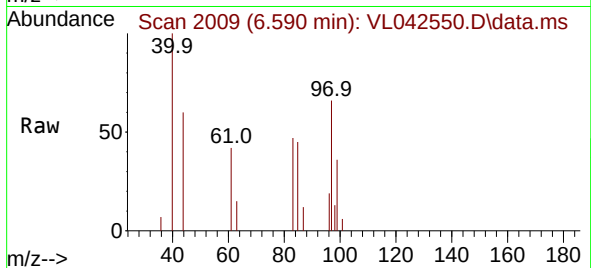
Ion Ratio Lower Upper

97 100

83 71.4 65.0 97.4

85 68.5 39.9 59.9#

99 55.3 49.4 74.0



#48

Dibromochloromethane

Concen: 0.089 ppbv

RT: 7.396 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VL042550.D

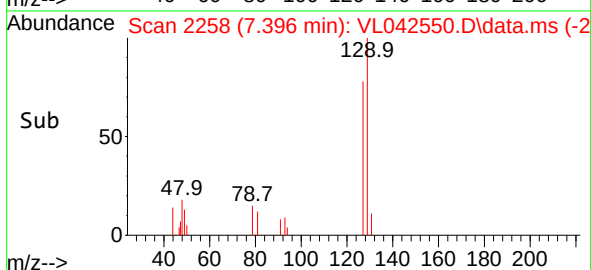
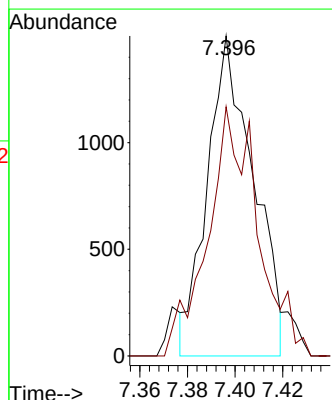
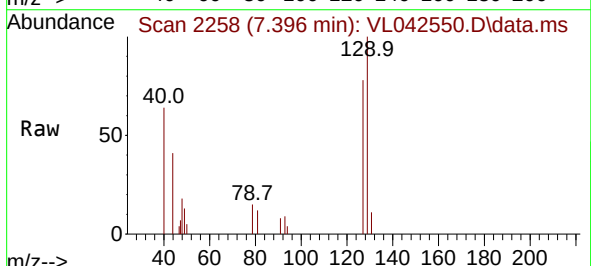
Acq: 20 May 2025 11:22

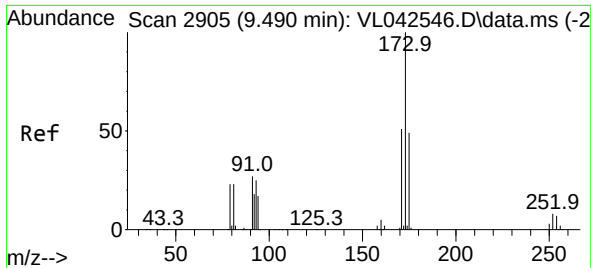
Tgt Ion: 129 Resp: 2013

Ion Ratio Lower Upper

129 100

127 84.7 39.0 117.0

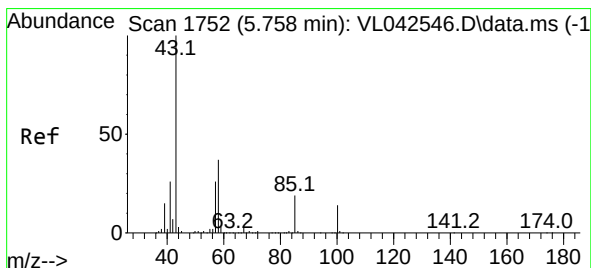
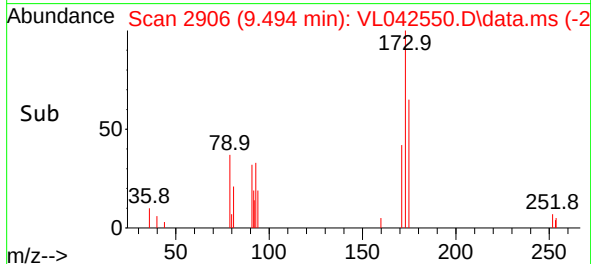
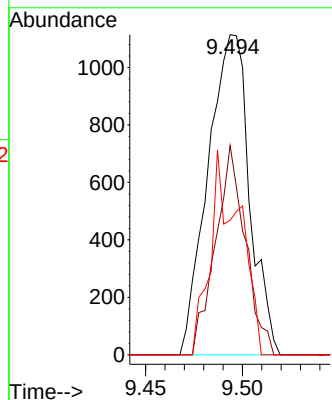
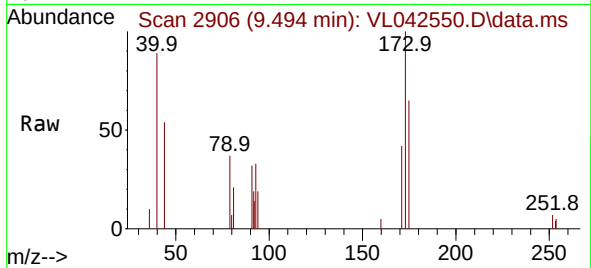




#49
Bromoform
Concen: 0.087 ppbv
RT: 9.494 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

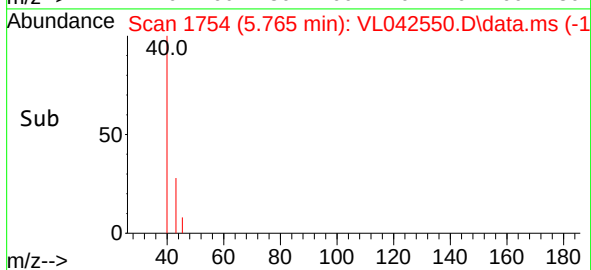
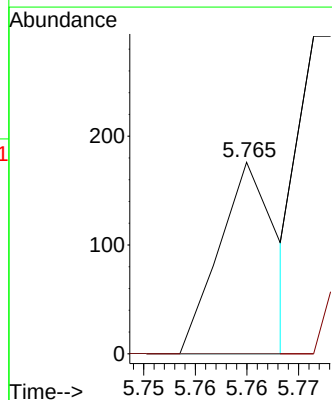
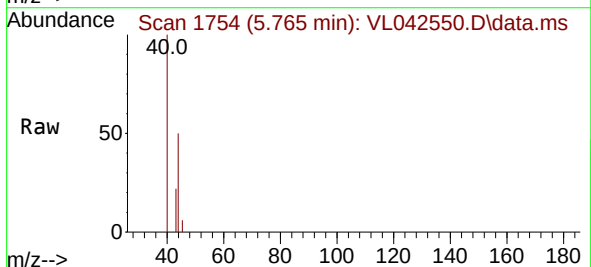
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

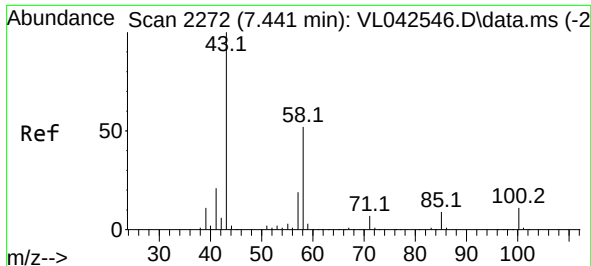
Tgt Ion:173 Resp: 1672
Ion Ratio Lower Upper
173 100
175 46.8 39.2 58.8
171 45.1 41.9 62.9



#50
4-Methyl-2-Pentanone
Concen: 0.003 ppbv
RT: 5.765 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#

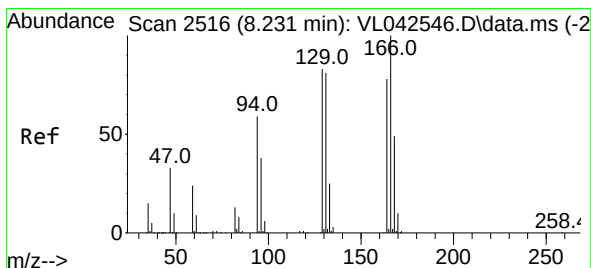
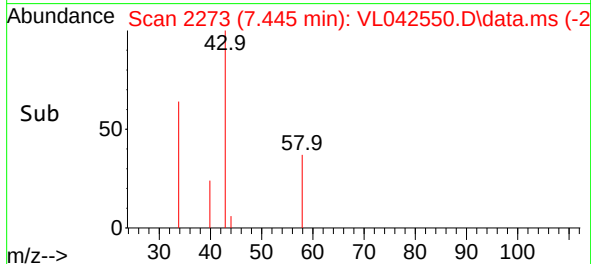
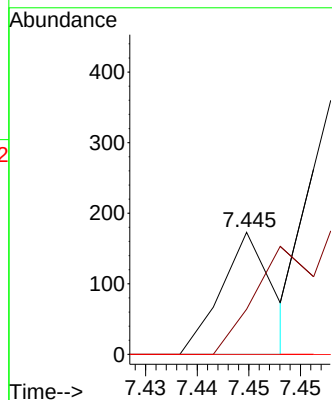
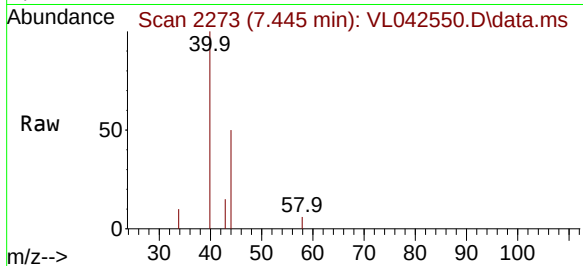




#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

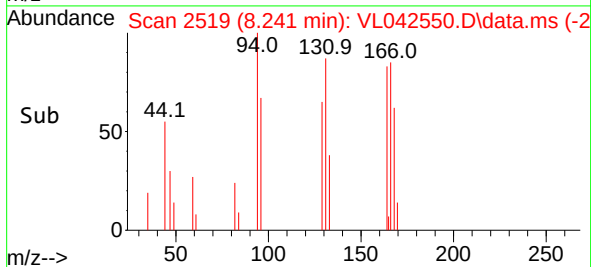
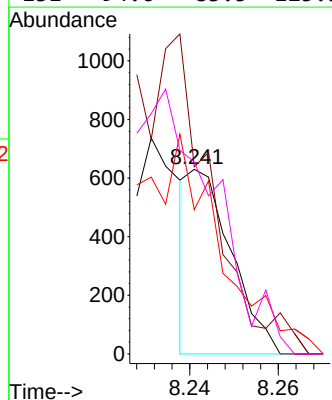
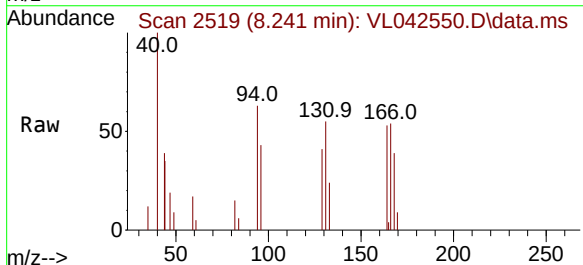
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

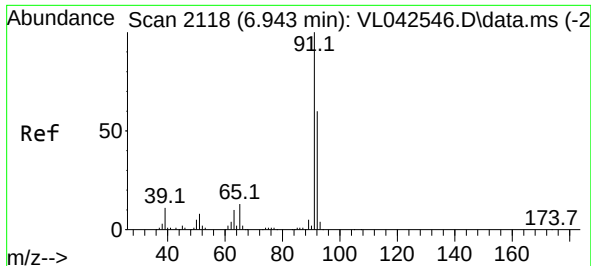
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 41.4 62.2#
98 0.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.035 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.010 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 164 Resp: 423
Ion Ratio Lower Upper
164 100
166 79.2 103.1 154.7#
129 65.6 85.3 127.9#
131 94.6 83.5 125.3

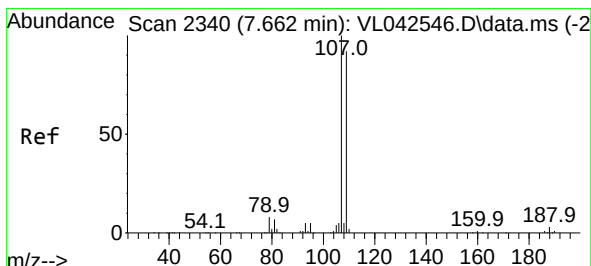
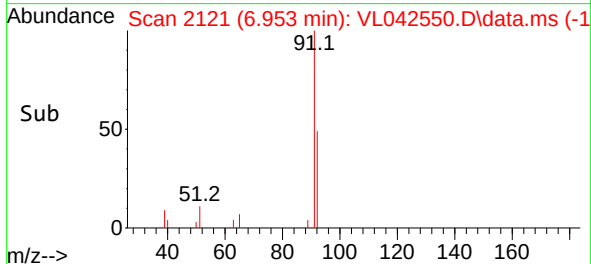
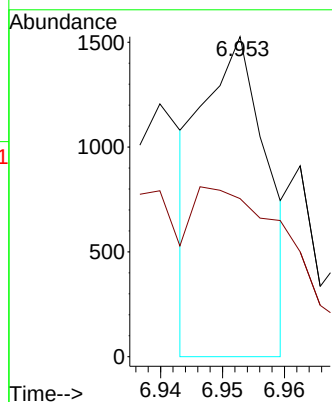
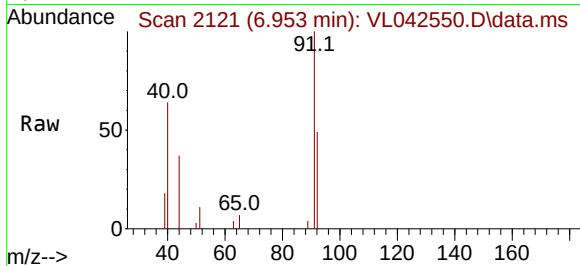




#53
Toluene
Concen: 0.034 ppbv
RT: 6.953 min Scan# 2118
Delta R.T. 0.010 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

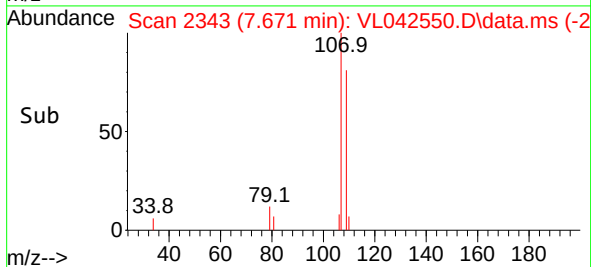
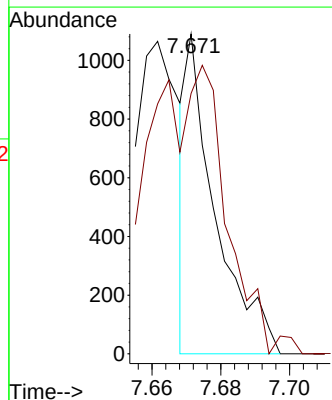
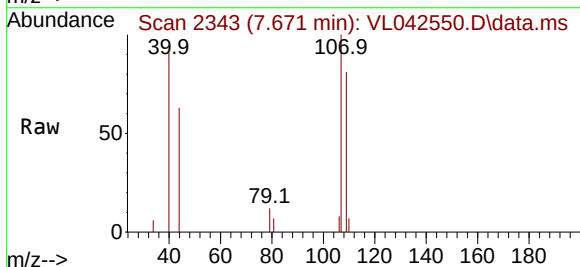
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

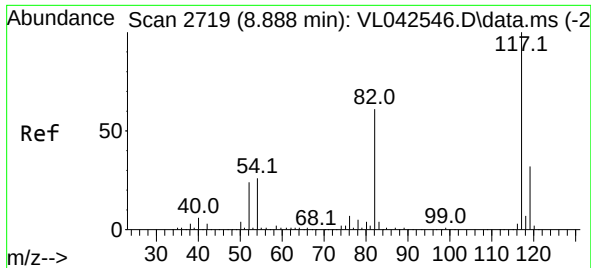
Tgt Ion: 91 Resp: 1128
Ion Ratio Lower Upper
91 100
92 137.4 47.8 71.8#



#54
1,2-Dibromoethane
Concen: 0.034 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. 0.010 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 107 Resp: 642
Ion Ratio Lower Upper
107 100
109 75.8 73.4 110.2

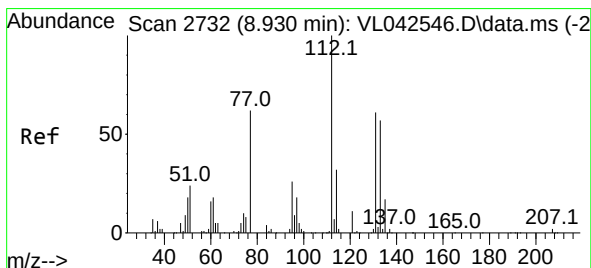
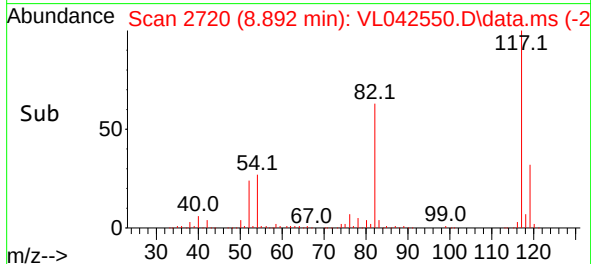
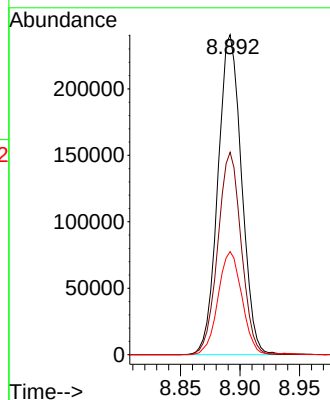
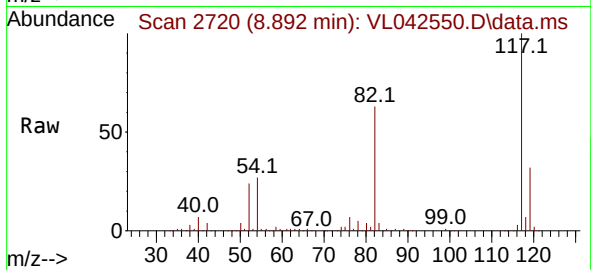




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

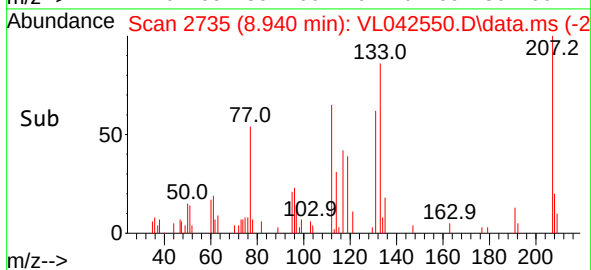
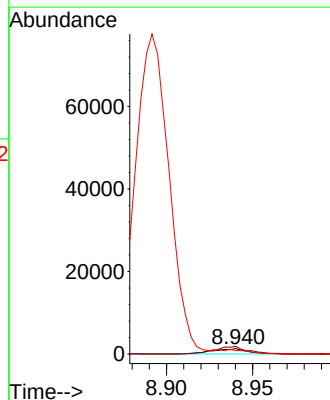
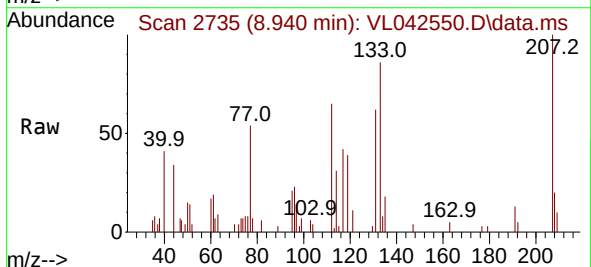
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

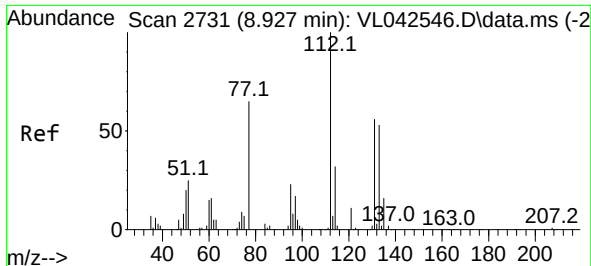
Tgt Ion:117 Resp: 332012
Ion Ratio Lower Upper
117 100
82 62.7 51.0 76.4
119 32.9 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.103 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.010 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion:131 Resp: 1829
Ion Ratio Lower Upper
131 100
133 134.0 76.3 114.5#
119 5967.6 47.5 71.3#





#57

Chlorobenzene

Concen: 0.103 ppbv

RT: 8.930 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

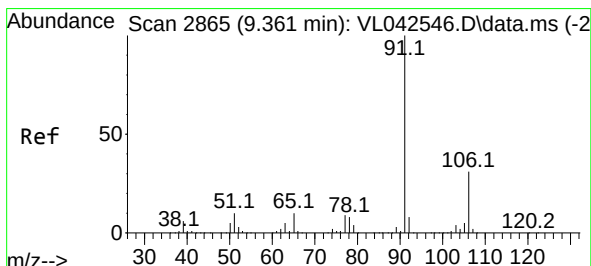
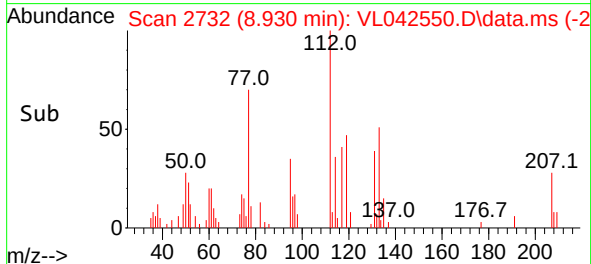
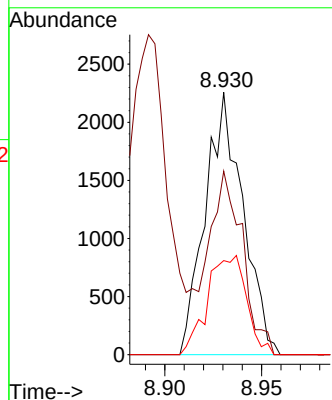
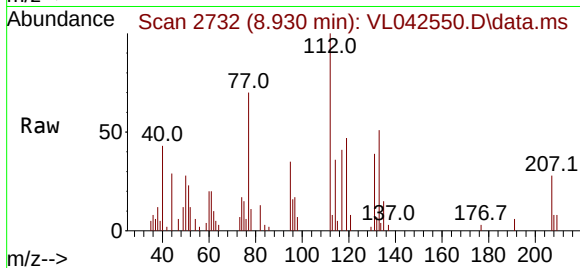
Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion:112	Resp:	3050
Ion	Ratio	Lower Upper
112	100	
77	69.9	53.2 79.8
114	35.8	28.4 34.8#



#58

Ethyl Benzene

Concen: 0.029 ppbv

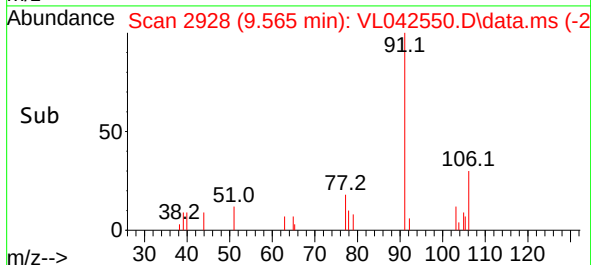
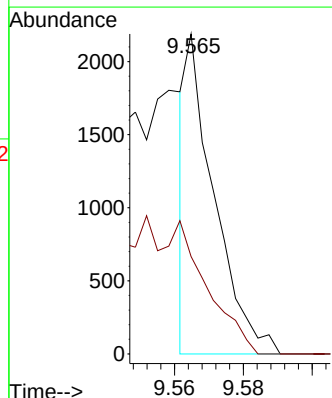
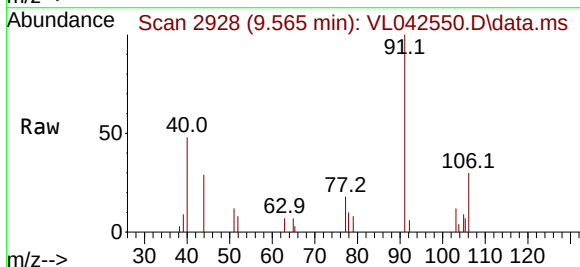
RT: 9.565 min Scan# 2928

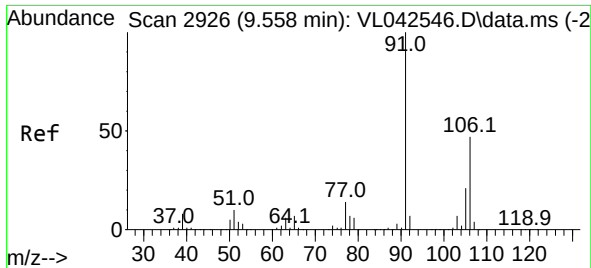
Delta R.T. 0.204 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Tgt Ion: 91	Resp:	1240
Ion	Ratio	Lower Upper
91	100	
106	30.4	24.6 37.0

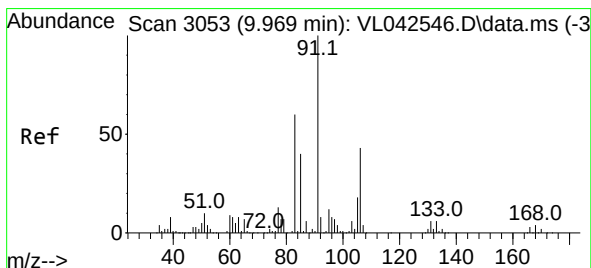
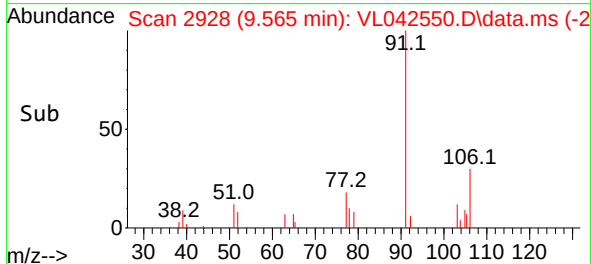
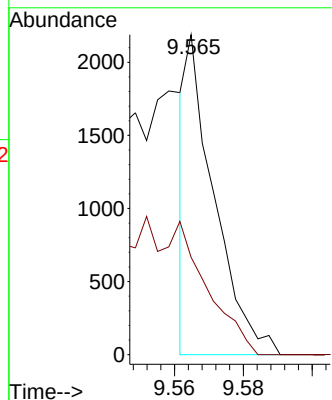
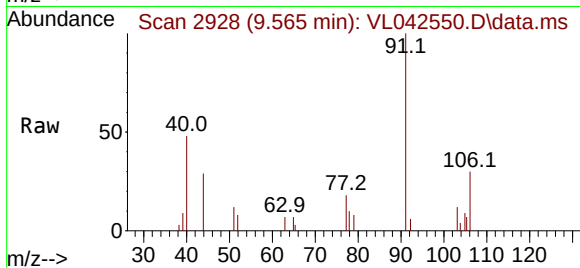




#59
m/p-Xylene
Concen: 0.033 ppbv
RT: 9.565 min Scan# 2926
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

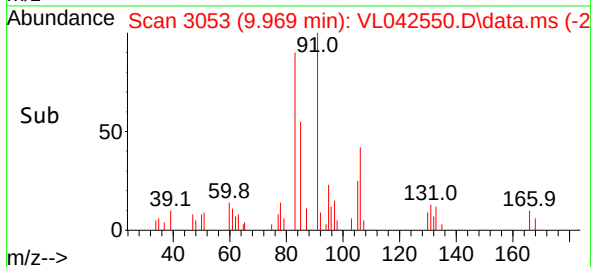
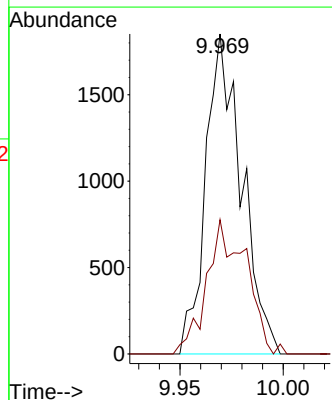
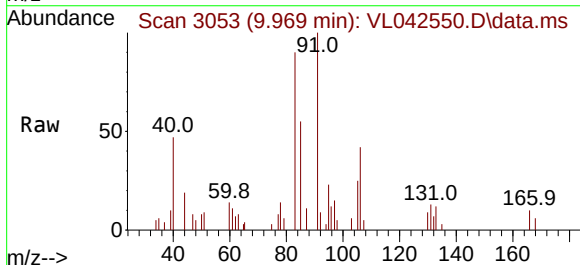
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

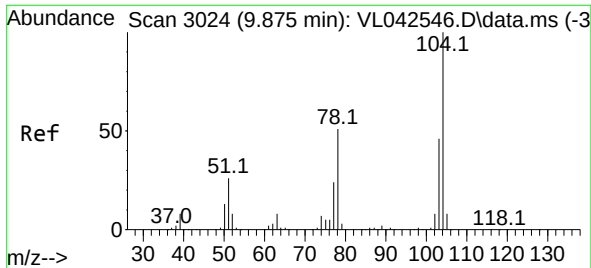
Tgt Ion: 91 Resp: 1240
Ion Ratio Lower Upper
91 100
106 0.0 37.1 55.7#



#60
o-Xylene
Concen: 0.061 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.000 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion: 91 Resp: 2237
Ion Ratio Lower Upper
91 100
106 46.0 21.6 64.8

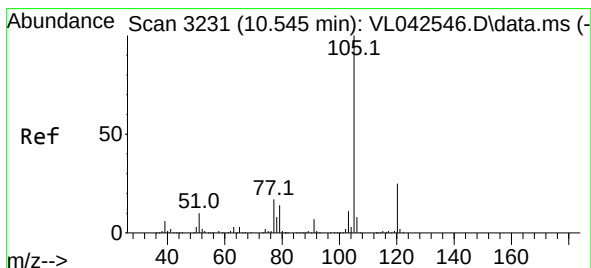
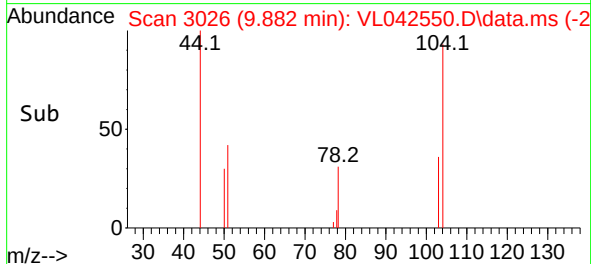
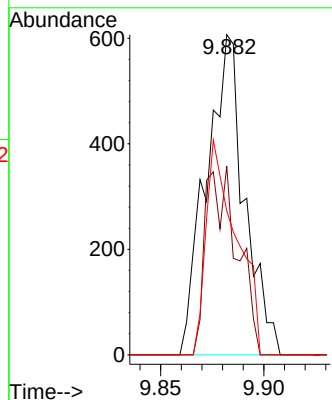
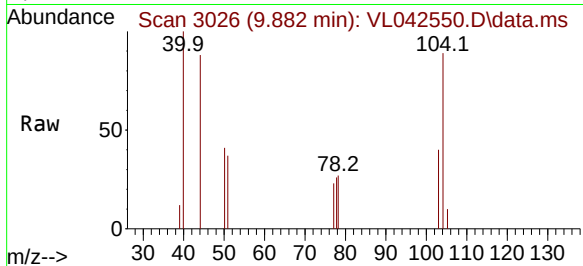




#61
Styrene
Concen: 0.056 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

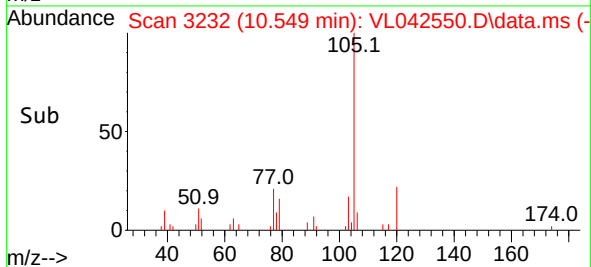
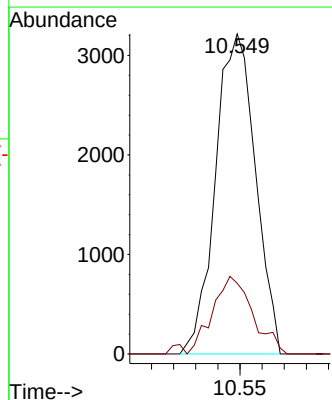
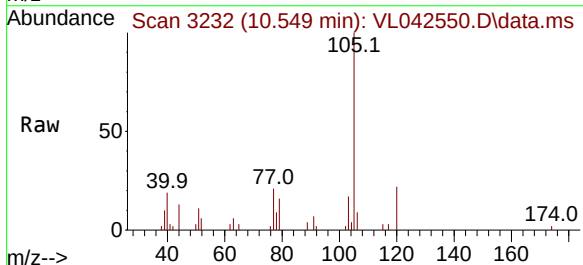
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

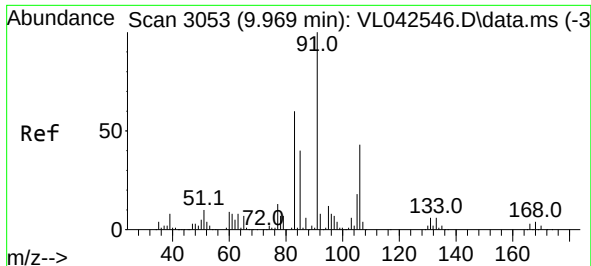
Tgt Ion:104 Resp: 781
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 53.4 37.1 55.7



#62
Isopropylbenzene
Concen: 0.072 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion:105 Resp: 4042
Ion Ratio Lower Upper
105 100
120 25.2 20.0 30.0



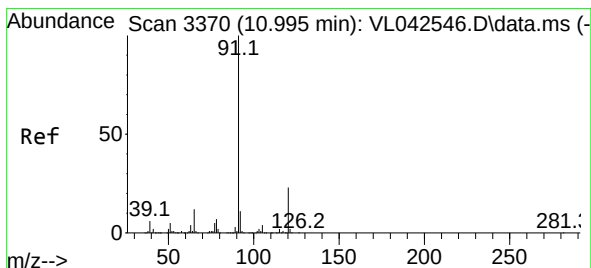
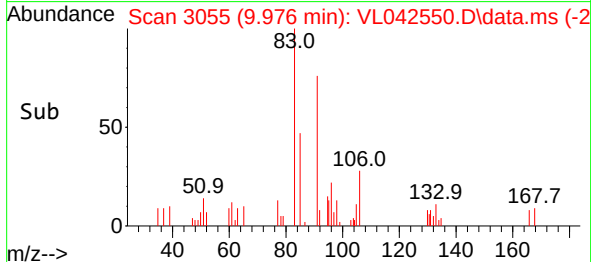
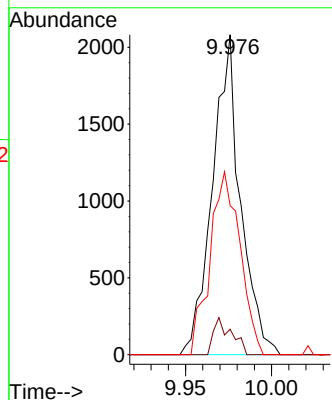
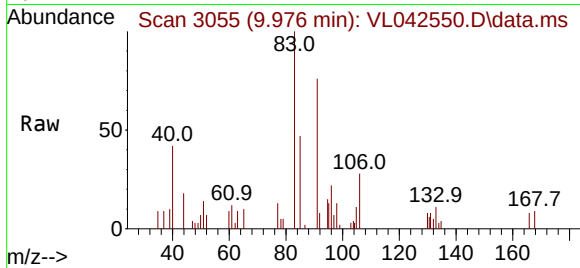


#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.097 ppbv
 RT: 9.976 min Scan# 3053
 Delta R.T. 0.007 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 83 Resp: 2359

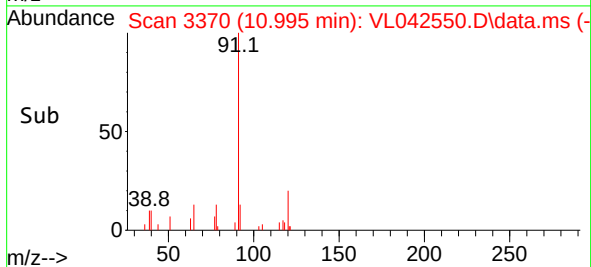
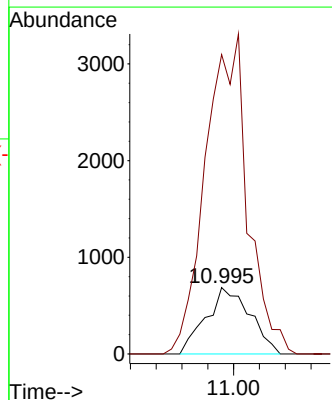
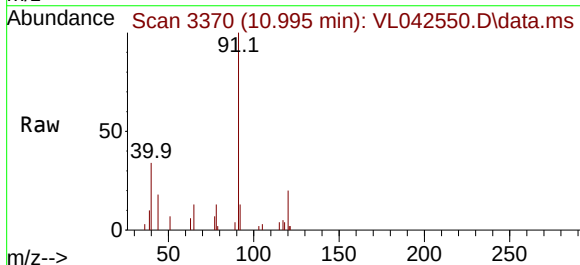
Ion	Ratio	Lower	Upper
83	100		
131	7.4	5.1	15.3
85	61.2	32.5	97.4

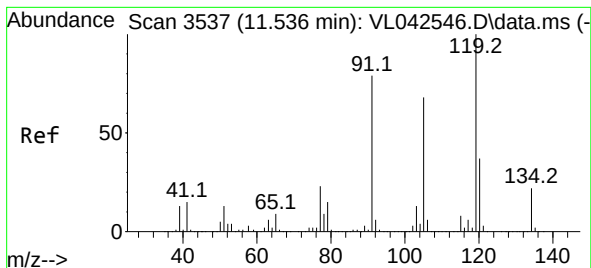


#64
 n-propylbenzene
 Concen: 0.058 ppbv
 RT: 10.995 min Scan# 3370
 Delta R.T. 0.000 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Tgt Ion: 120 Resp: 813

Ion	Ratio	Lower	Upper
120	100		
91	459.5	367.0	550.4





#65

tert-Butylbenzene

Concen: 0.057 ppbv

RT: 11.539 min Scan# 3537

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

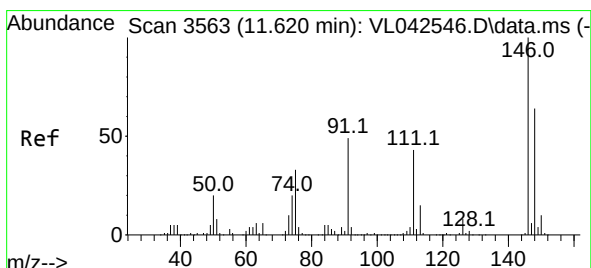
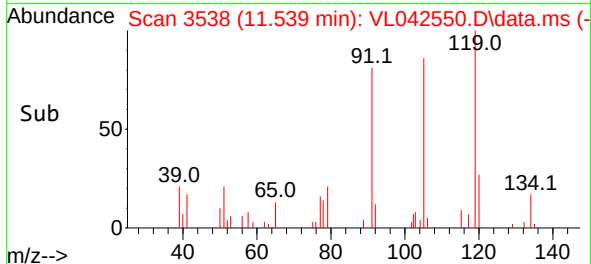
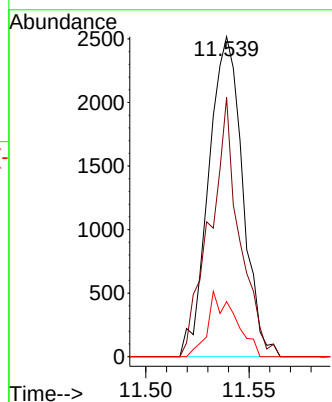
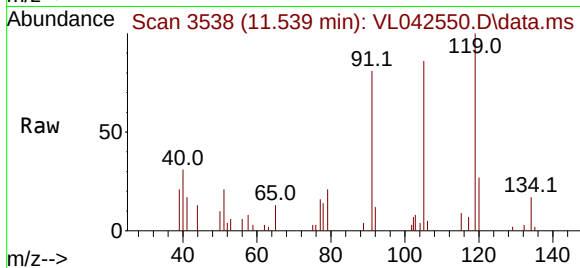
Tgt Ion:119 Resp: 2880

Ion Ratio Lower Upper

119 100

91 70.4 62.7 94.1

134 16.5 16.8 25.2#



#66

Benzyl Chloride

Concen: 0.031 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

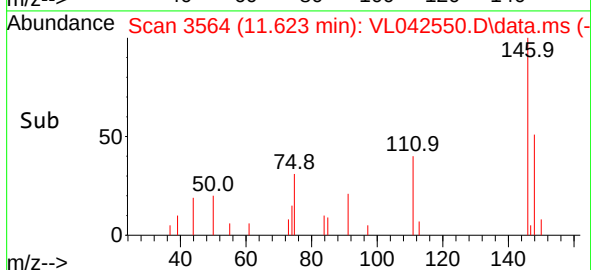
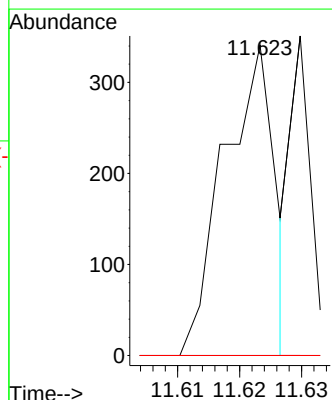
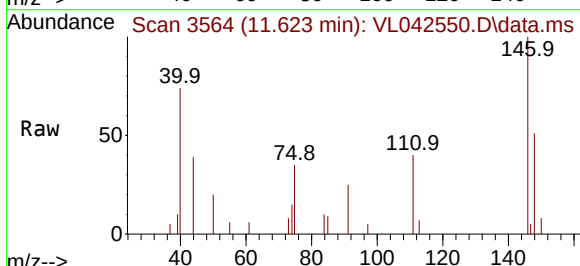
Tgt Ion: 91 Resp: 196

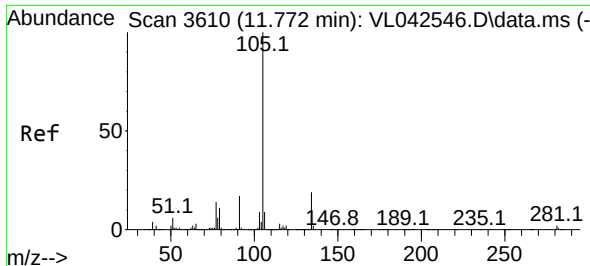
Ion Ratio Lower Upper

91 100

126 0.0 14.2 21.2#

128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 0.035 ppbv

RT: 11.542 min Scan# 31

Delta R.T. -0.230 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

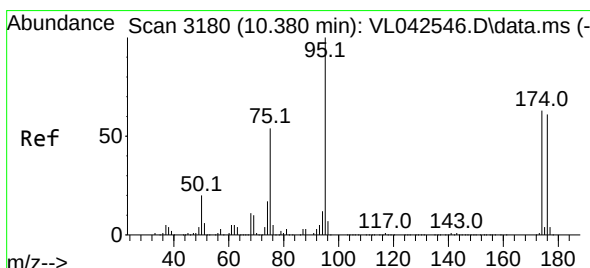
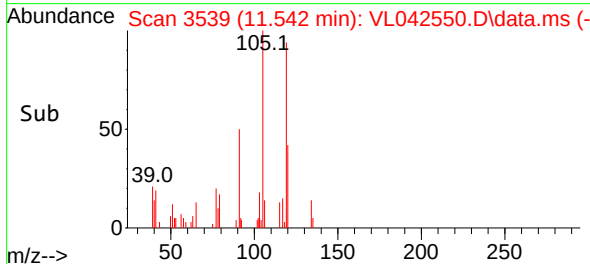
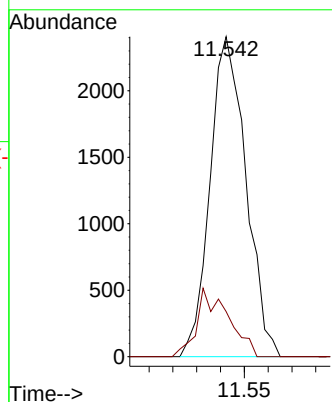
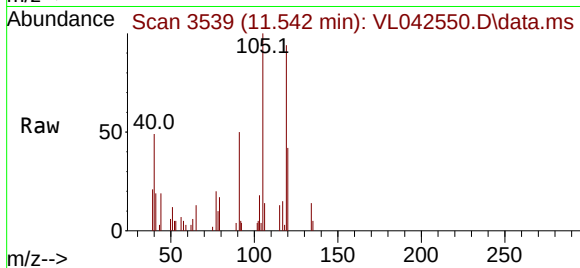
VSTDIC0.1

Tgt Ion:105 Resp: 2524

Ion Ratio Lower Upper

105 100

134 18.8 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 9.717 ppbv

RT: 10.384 min Scan# 3181

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

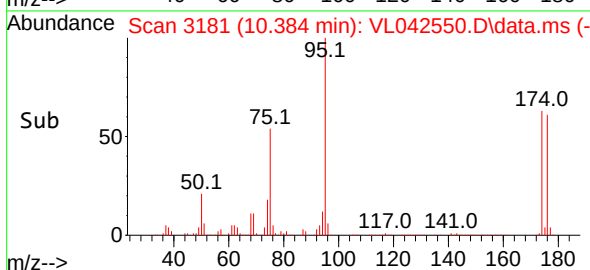
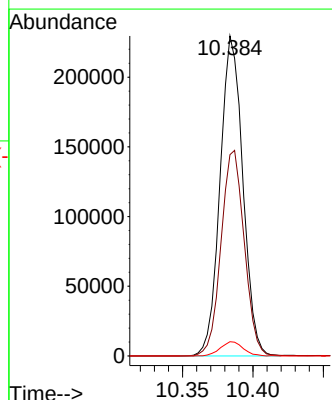
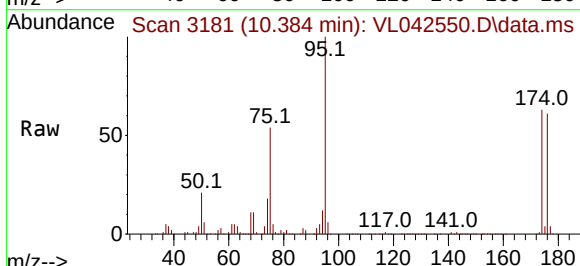
Tgt Ion: 95 Resp: 258212

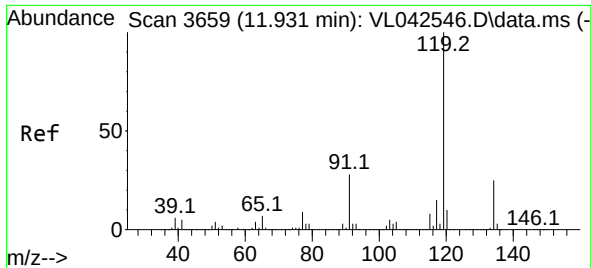
Ion Ratio Lower Upper

95 100

174 65.8 52.0 78.0

175 4.5 3.8 5.6

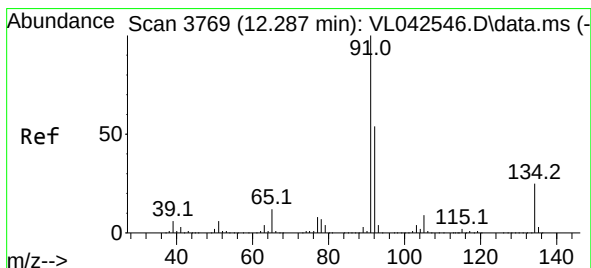
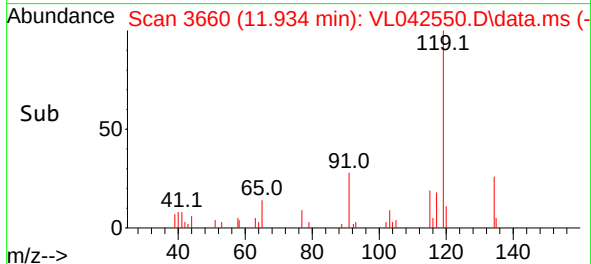
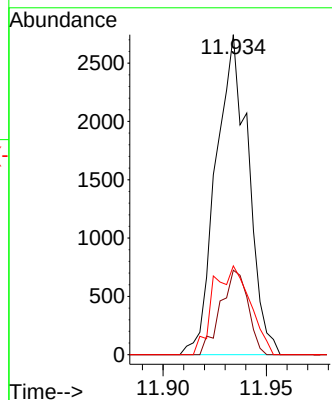
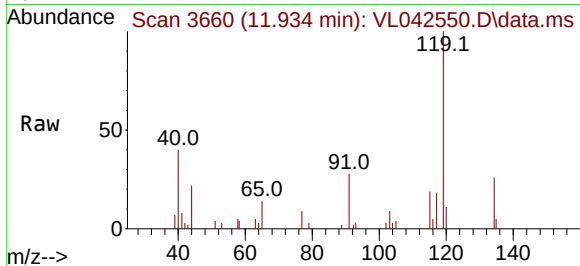




#69
p-Isopropyltoluene
Concen: 0.051 ppbv
RT: 11.934 min Scan# 3660
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

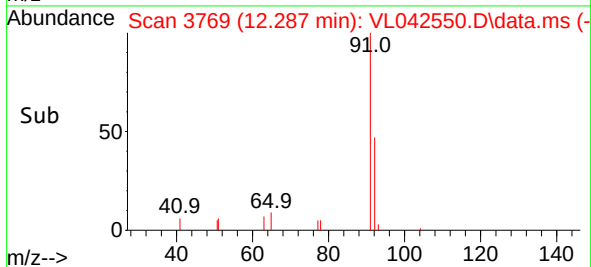
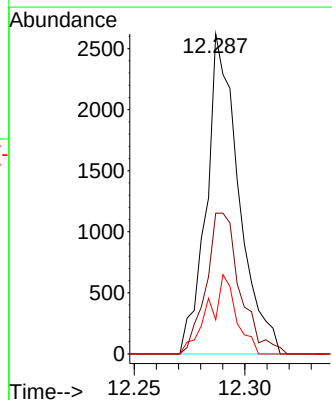
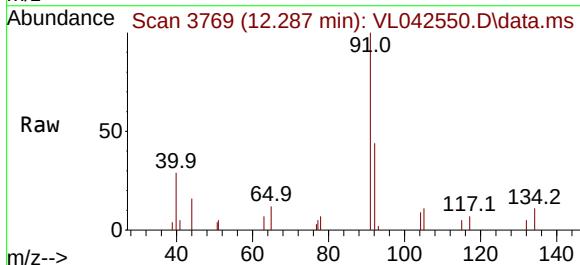
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

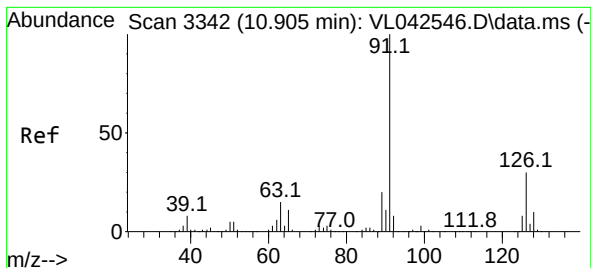
Tgt Ion:	119	Resp:	2986
Ion	Ratio	Lower	Upper
119	100		
134	22.3	20.1	30.1
91	31.6	22.3	33.5



#70
n-Butylbenzene
Concen: 0.048 ppbv
RT: 12.287 min Scan# 3769
Delta R.T. 0.000 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion:	91	Resp:	2661
Ion	Ratio	Lower	Upper
91	100		
92	46.2	43.8	65.6
134	21.3	19.7	29.5





#71

2-Chlorotoluene

Concen: 0.064 ppbv

RT: 10.914 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

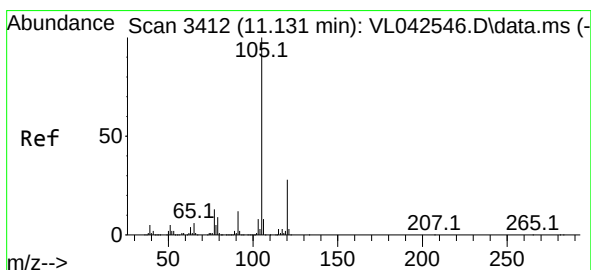
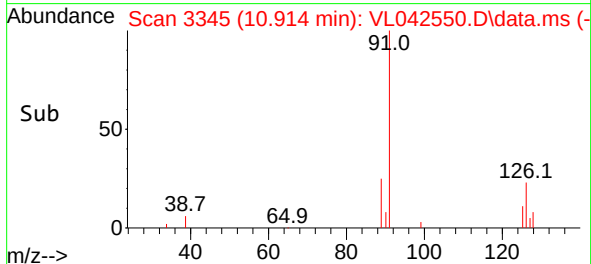
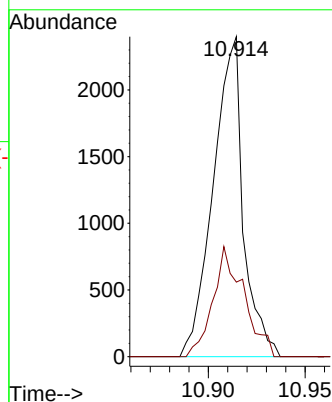
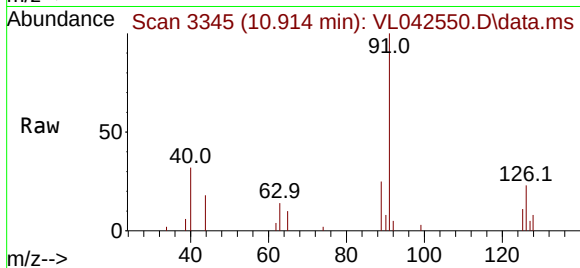
VSTDIC0.1

Tgt Ion: 91 Resp: 2587

Ion Ratio Lower Upper

91 100

126 35.4 12.4 49.4



#72

4-Ethyltoluene

Concen: 0.059 ppbv

RT: 11.135 min Scan# 3413

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Tgt Ion: 105 Resp: 2662

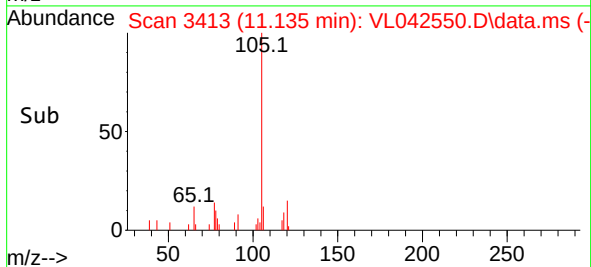
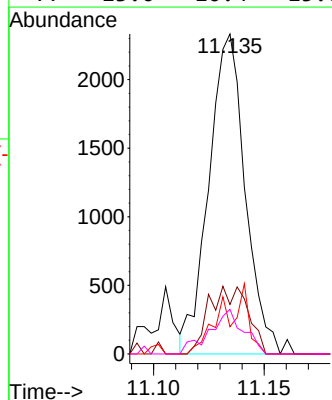
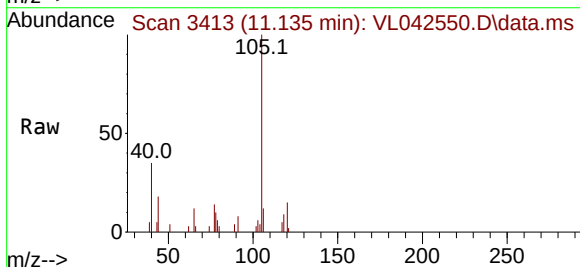
Ion Ratio Lower Upper

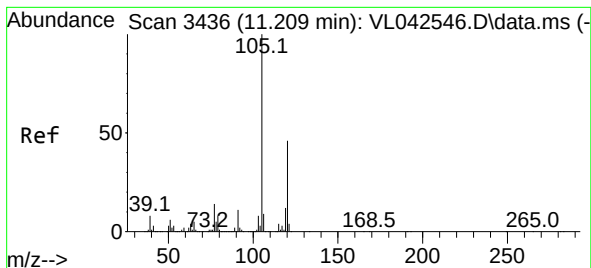
105 100

120 23.7 23.4 35.0

91 16.4 10.2 15.4#

77 13.0 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.056 ppbv

RT: 11.212 min Scan# 3436

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_1

ClientSampleId :

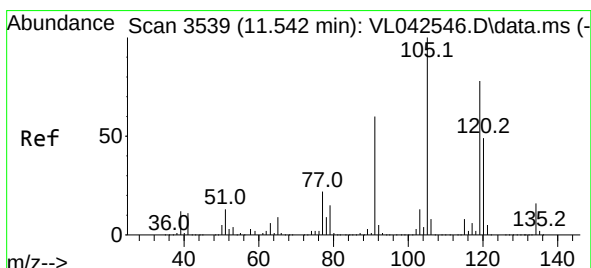
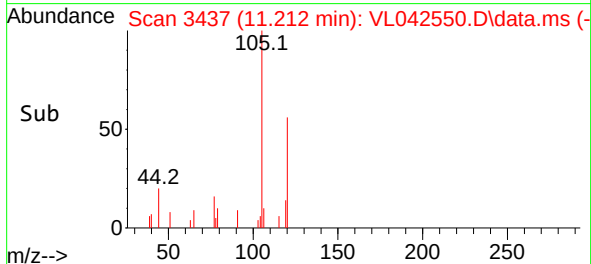
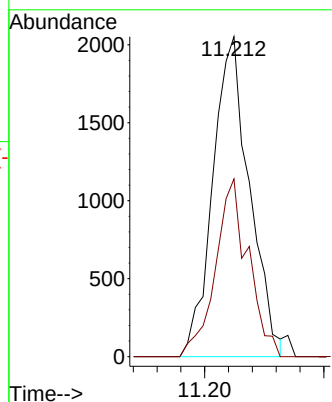
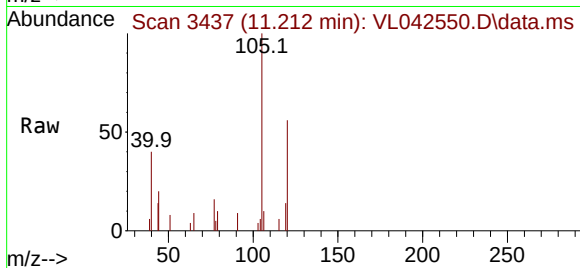
VSTDIC0.1

Tgt Ion:105 Resp: 2193

Ion Ratio Lower Upper

105 100

120 55.6 36.5 54.7#



#74

1,2,4-Trimethylbenzene

Concen: 0.053 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Tgt Ion:105 Resp: 2524

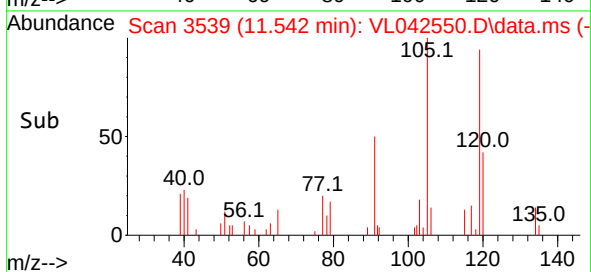
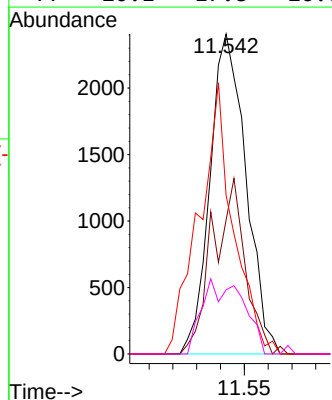
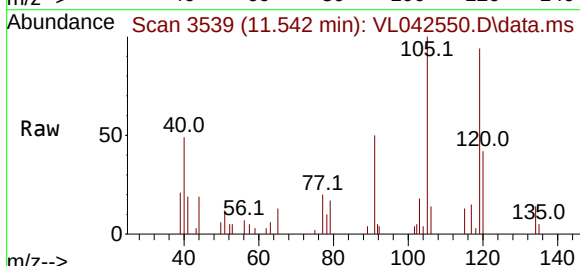
Ion Ratio Lower Upper

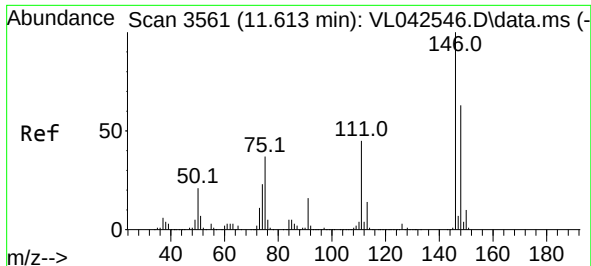
105 100

120 41.9 39.4 59.0

91 54.8 47.8 71.8

77 20.1 17.8 26.6

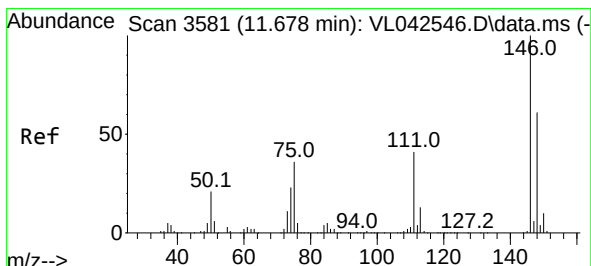
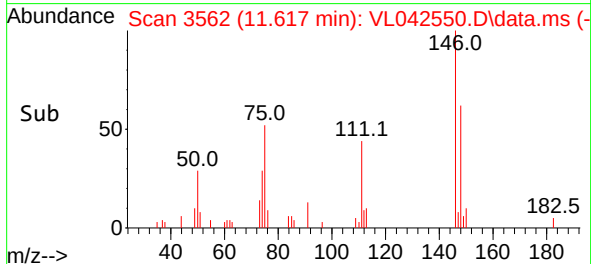
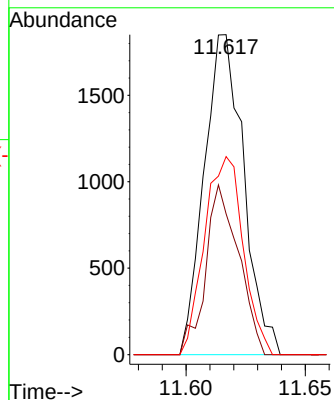
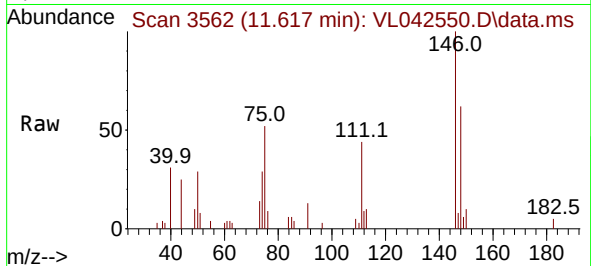




#75
1,3-Dichlorobenzene
Concen: 0.073 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

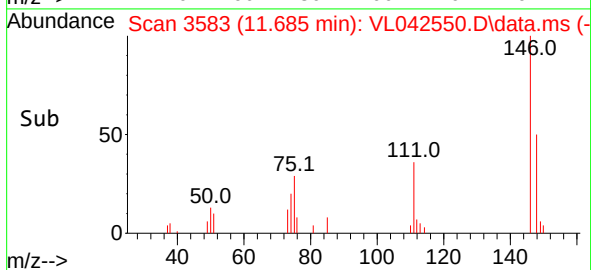
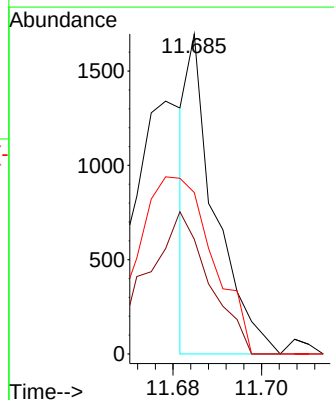
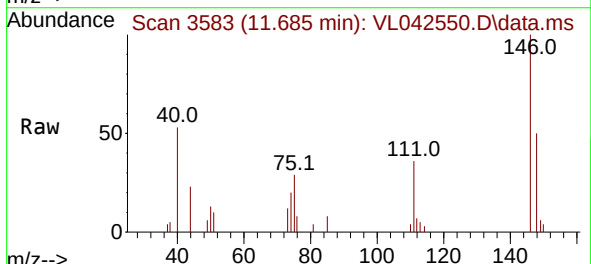
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

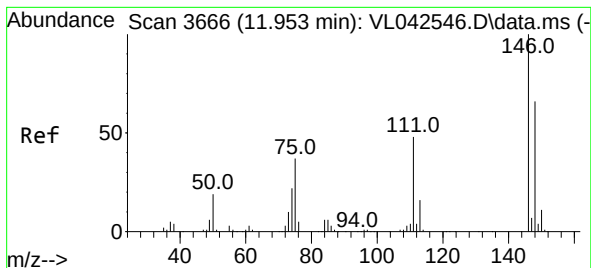
Tgt Ion:146 Resp: 2130
Ion Ratio Lower Upper
146 100
111 44.4 22.8 68.4
148 60.7 31.6 94.8



#76
1,4-Dichlorobenzene
Concen: 0.026 ppbv
RT: 11.685 min Scan# 3583
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

Tgt Ion:146 Resp: 726
Ion Ratio Lower Upper
146 100
111 102.8 21.8 65.3#
148 0.0 31.4 94.3#





#77

1,2-Dichlorobenzene

Concen: 0.071 ppbv

RT: 11.960 min Scan# 3668

Delta R.T. 0.007 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

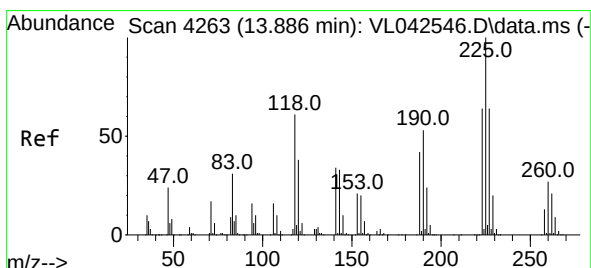
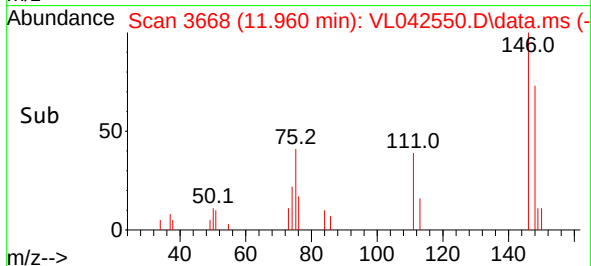
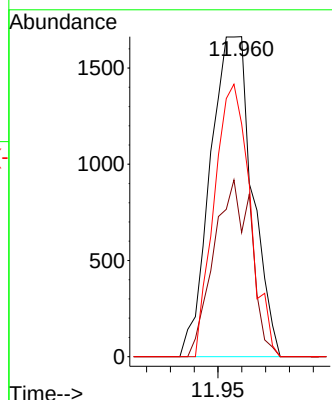
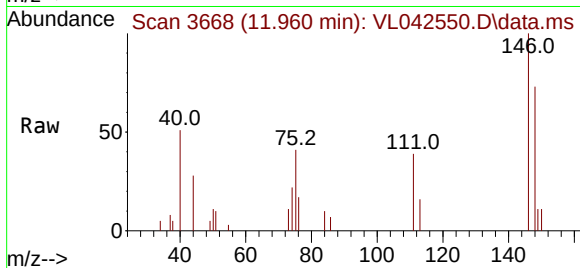
Tgt Ion:146 Resp: 2050

Ion Ratio Lower Upper

146 100

111 49.0 23.7 71.1

148 71.9 32.3 96.9



#78

Hexachloro-1,3-Butadiene

Concen: 0.101 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL042550.D

Acq: 20 May 2025 11:22

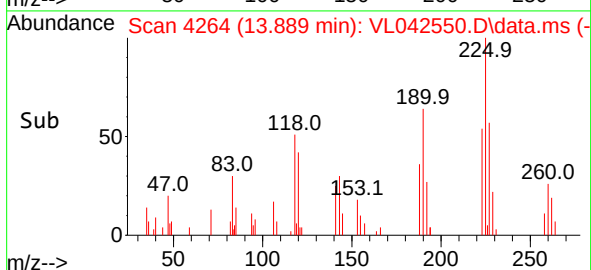
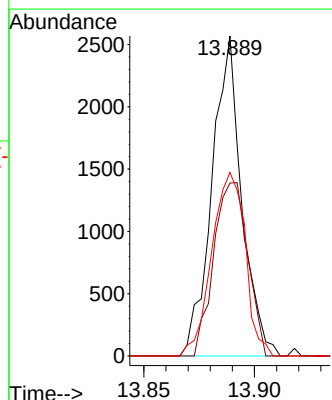
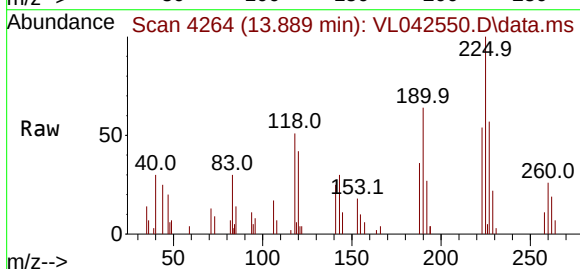
Tgt Ion:225 Resp: 2403

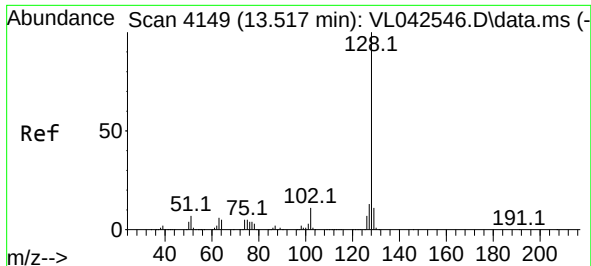
Ion Ratio Lower Upper

225 100

223 61.8 51.0 76.6

227 64.5 50.2 75.4

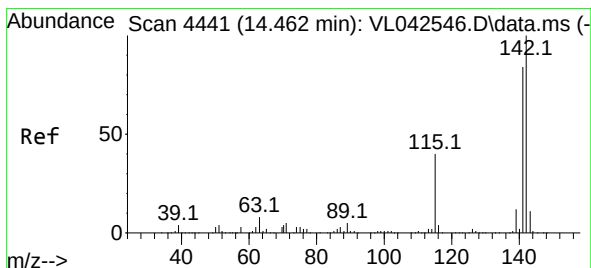
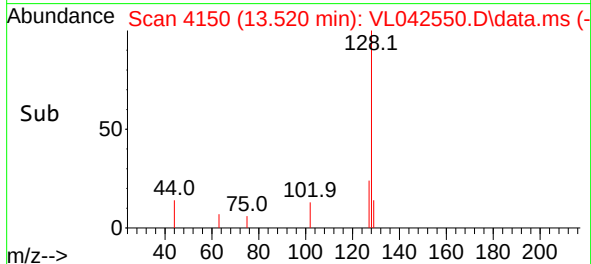
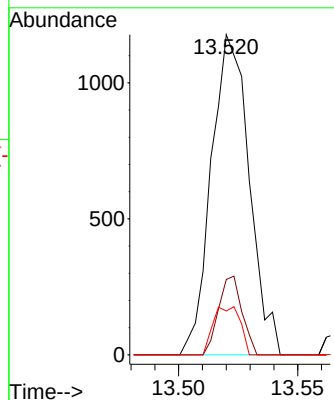
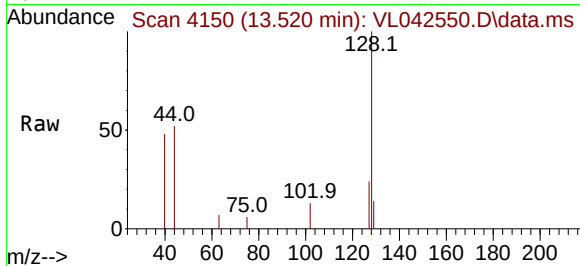




#79
Naphthalene
Concen: 0.037 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

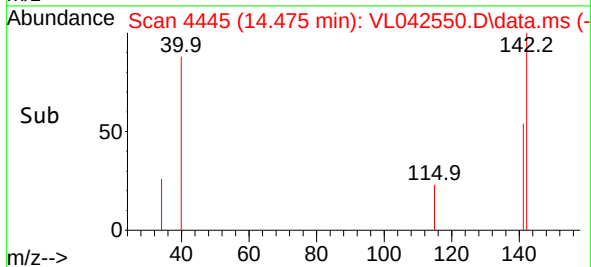
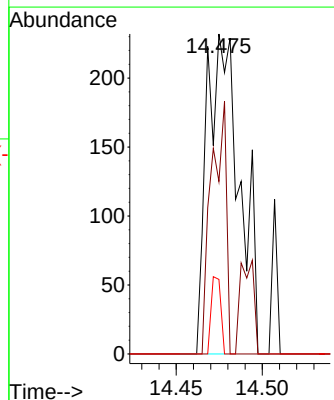
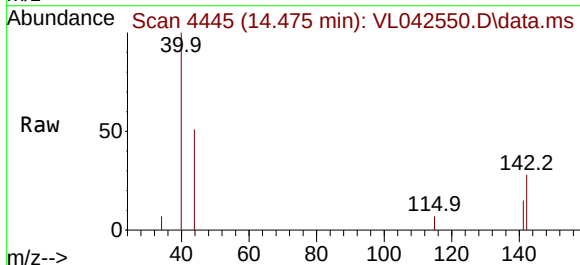
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

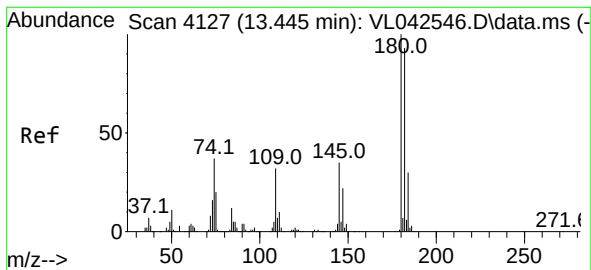
Tgt Ion:128 Resp: 1306
Ion Ratio Lower Upper
128 100
127 23.5 10.5 15.7#
129 13.7 9.0 13.4#



#80
Naphthalene,2-methyl-
Concen: 0.018 ppbv
RT: 14.475 min Scan# 4445
Delta R.T. 0.013 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

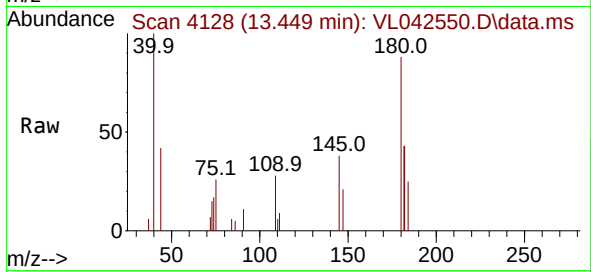
Tgt Ion:142 Resp: 327
Ion Ratio Lower Upper
142 100
141 44.6 67.4 101.0#
115 6.4 31.5 47.3#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.033 ppbv
 RT: 13.449 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1



Tgt Ion:	180	Resp:	713
Ion	Ratio	Lower	Upper
180	100		
182	107.2	75.6	113.4
184	25.8	23.7	35.5

