

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042165.D
 Acq On : 25 Mar 2025 09:29
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Quant Time: Mar 26 01:30:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	180973	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	444936	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	367440	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	295233	10.282	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	51371	2.572	ppbv	97
3) Chlorodifluoromethane	1.480	51	53635	2.044	ppbv	96
4) Chloromethane	1.535	50	18102	2.469	ppbv	91
5) Vinyl Chloride	1.583	62	17674	2.588	ppbv	96
6) Bromomethane	1.671	94	8401	2.529	ppbv	88
7) Chloroethane	1.706	64	6606	2.338	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	38506	2.372	ppbv	98
9) Propene	1.486	41	21193	1.990	ppbv	96
10) Heptane	4.998	43	50346	1.522	ppbv	96
11) Trichlorofluoromethane	1.881	101	52533	2.633	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.143	101	41439	2.568	ppbv	95
13) Ethanol	1.726	45	1619	2.324	ppbv	91
14) Bromoethene	1.787	108	14721	2.642	ppbv	96
15) Acetone	1.839	43	46532	2.762	ppbv	95
16) 1,3-Butadiene	1.612	39	18817	2.407	ppbv	99
17) tert-Butyl alcohol	2.046	59	42744	2.108	ppbv	100
18) 1,1-Dichloroethene	2.039	96	17129	2.397	ppbv	96
19) Isopropyl Alcohol	1.891	45	22780	2.381	ppbv #	1
20) Methylene Chloride	2.065	84	15925	2.519	ppbv	89
21) Allyl Chloride	2.101	41	28813	2.385	ppbv	97
22) trans-1,2-Dichloroethene	2.347	96	20877	2.473	ppbv	88
23) Vinyl Acetate	2.467	43	15143	1.406	ppbv #	83
24) 1,1-Dichloroethane	2.418	63	39073	2.484	ppbv	99
25) Ethyl Acetate	2.849	43	118316	1.852	ppbv	99
26) Hexane	2.836	57	40682	1.589	ppbv	85
27) Carbon Disulfide	2.156	76	46871	2.509	ppbv #	81
28) Methyl tert-Butyl Ether	2.451	73	24492	1.852	ppbv	98
29) Chloroform	2.858	83	70298	2.017	ppbv	98
30) Cyclohexane	3.868	84	29119	1.424	ppbv	94
31) cis-1,2-Dichloroethene	2.729	61	39816	1.669	ppbv	88
32) 1,1,1-Trichloroethane	3.379	97	60148	1.809	ppbv	99
34) 2-Butanone	2.567	43	68307	1.950	ppbv	100
35) Carbon Tetrachloride	3.774	117	62457	2.012	ppbv	92
36) Benzene	3.671	78	83730	1.794	ppbv	99
37) 1,2-Dichloroethane	3.227	62	49431	1.904	ppbv	99
38) Trichloroethene	4.567	130	32341	1.699	ppbv	93
39) 1,2-Dichloropropane	4.328	63	33352	1.871	ppbv	92
40) 1,4-Dioxane	4.609	88	6093	0.757	ppbv #	17
41) Tetrahydrofuran	3.072	42	31294	1.533	ppbv	96
42) Bromodichloromethane	4.506	83	67139	1.915	ppbv	99
43) Methyl Methacrylate	4.904	69	24868	1.393	ppbv	91
44) 2,2,4-Trimethylpentane	4.658	57	147082	1.766	ppbv	98
45) t-1,3-Dichloropropene	6.441	75	11831	0.683	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042165.D
 Acq On : 25 Mar 2025 09:29
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

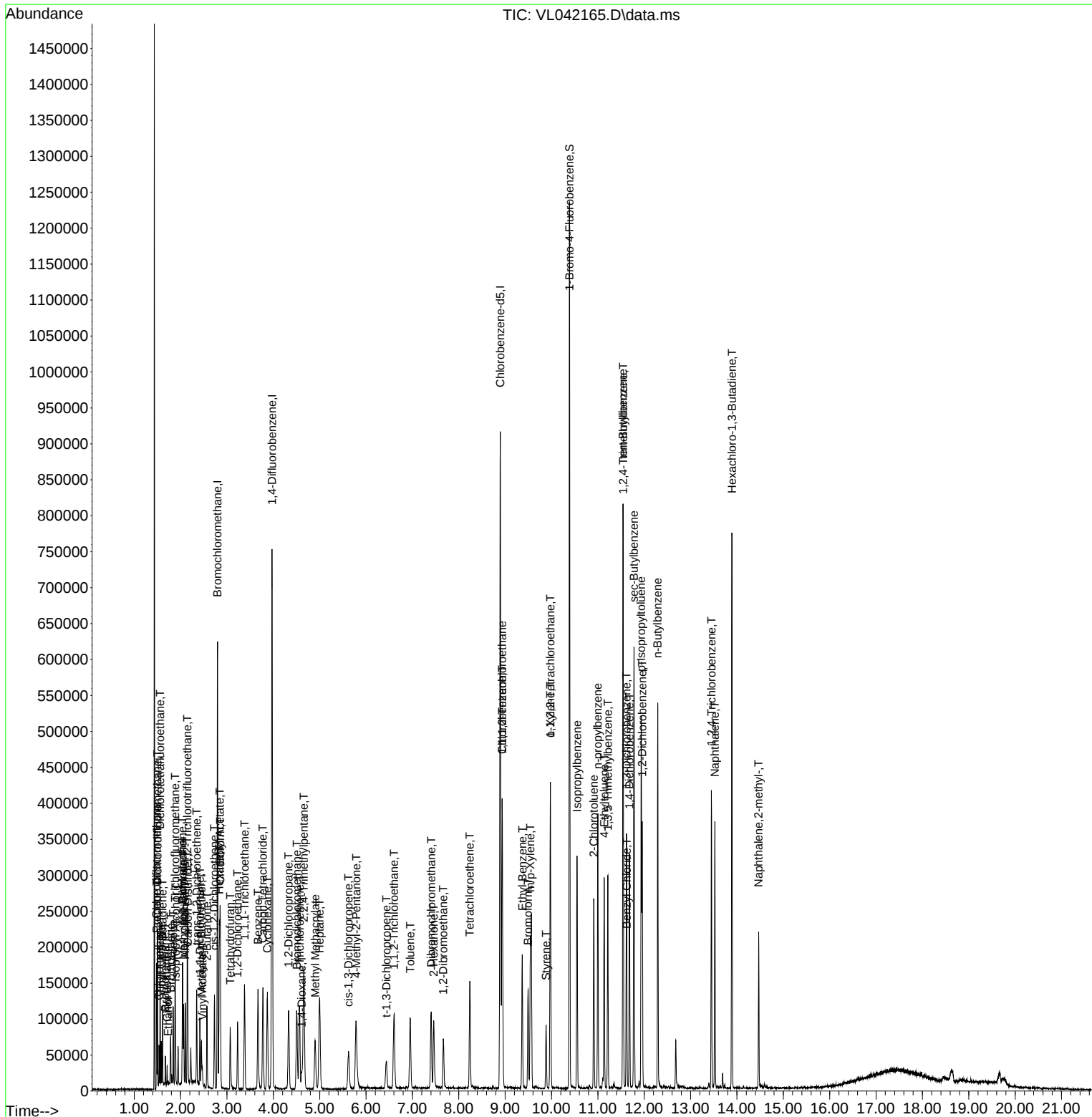
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

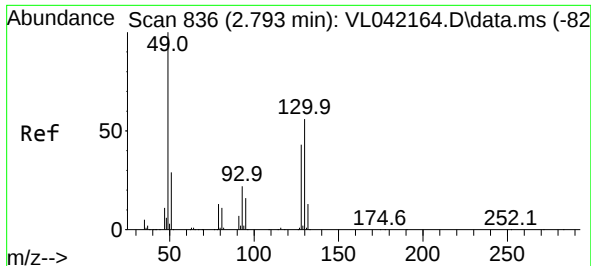
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	20626	0.912	ppbv	96
47) 1,1,2-Trichloroethane	6.603	97	34020	1.863	ppbv	92
48) Dibromochloromethane	7.406	129	53441	1.891	ppbv	100
49) Bromoform	9.493	173	47290	1.915	ppbv	99
50) 4-Methyl-2-Pentanone	5.788	43	85185	1.892	ppbv	98
51) 2-Hexanone	7.458	43	63146	2.064	ppbv #	96
52) Tetrachloroethene	8.238	164	27899	1.752	ppbv	95
53) Toluene	6.953	91	72344	1.404	ppbv	97
54) 1,2-Dibromoethane	7.665	107	42255	1.740	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.937	131	44277	2.072	ppbv	94
57) Chlorobenzene	8.937	112	80252	2.057	ppbv	97
58) Ethyl Benzene	9.370	91	94433	1.401	ppbv	99
59) m/p-Xylene	9.545	91	70673	1.291	ppbv #	100
60) o-Xylene	9.976	91	91067	1.649	ppbv	98
61) Styrene	9.885	104	29574	1.177	ppbv	95
62) Isopropylbenzene	10.552	105	140615	1.702	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	79461	2.162	ppbv	99
64) n-propylbenzene	10.999	120	39741	1.816	ppbv	97
65) tert-Butylbenzene	11.542	119	140620	1.847	ppbv	99
66) Benzyl Chloride	11.626	91	9352	1.659	ppbv #	98
67) sec-Butylbenzene	11.779	105	214048	1.962	ppbv	99
69) p-Isopropyltoluene	11.934	119	170547	1.953	ppbv	99
70) n-Butylbenzene	12.290	91	178947	1.993	ppbv	97
71) 2-Chlorotoluene	10.914	91	101954	1.606	ppbv	98
72) 4-Ethyltoluene	11.138	105	116728	1.717	ppbv	97
73) 1,3,5-Trimethylbenzene	11.215	105	104138	1.771	ppbv	95
74) 1,2,4-Trimethylbenzene	11.546	105	142921	2.127	ppbv	97
75) 1,3-Dichlorobenzene	11.617	146	83243	2.133	ppbv	100
76) 1,4-Dichlorobenzene	11.681	146	76908	1.984	ppbv	98
77) 1,2-Dichlorobenzene	11.957	146	87423	2.285	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	79992	2.647	ppbv	99
79) Naphthalene	13.523	128	154335	3.187	ppbv	97
80) Naphthalene,2-methyl-	14.468	142	55441	3.831	ppbv	97
81) 1,2,4-Trichlorobenzene	13.449	180	67503	2.530	ppbv	99

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

Quant Time: Mar 26 01:30:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
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QLast Update : Wed Mar 26 01:29:19 2025
Response via : Initial Calibration

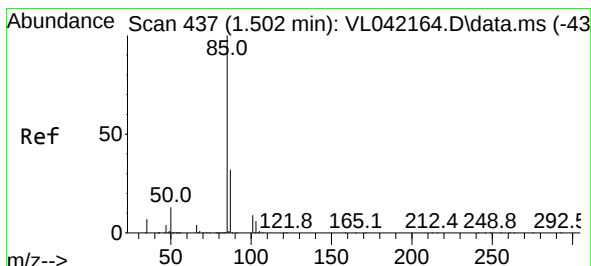
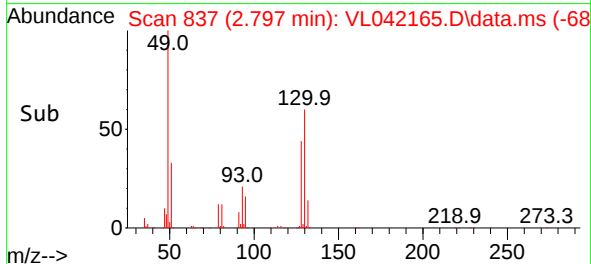
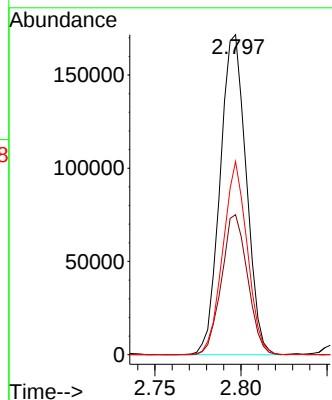
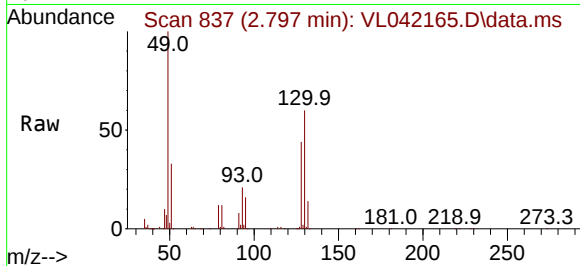




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

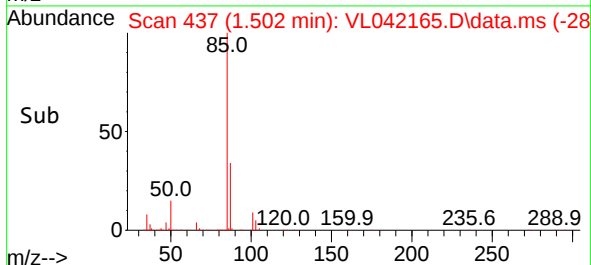
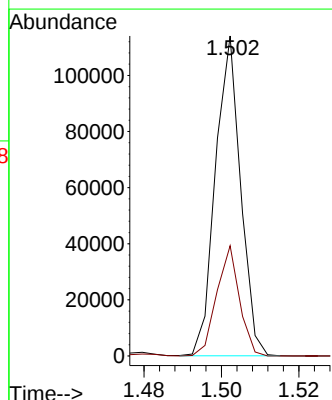
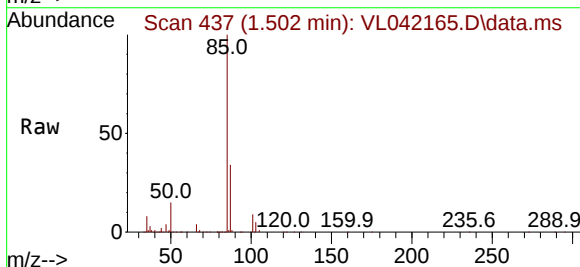
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

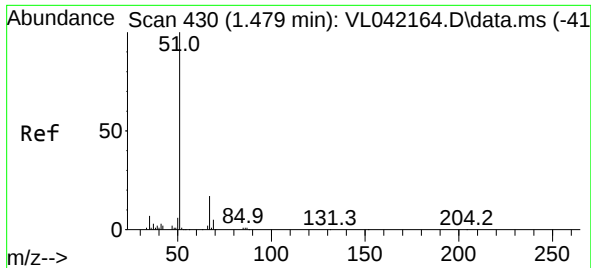
Tgt Ion: 49 Resp: 180973
Ion Ratio Lower Upper
49 100
128 43.6 21.5 64.5
130 56.4 27.3 81.9



#2
Dichlorodifluoromethane
Concen: 2.572 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 85 Resp: 51371
Ion Ratio Lower Upper
85 100
87 34.5 26.0 39.0

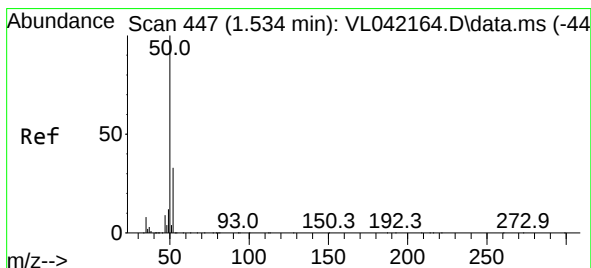
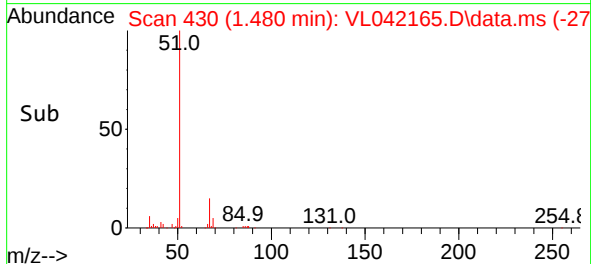
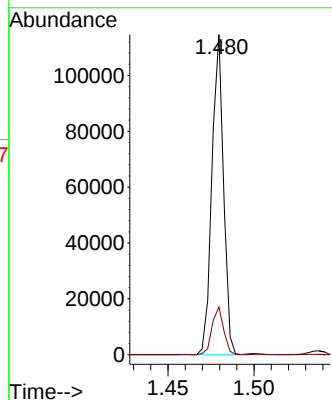
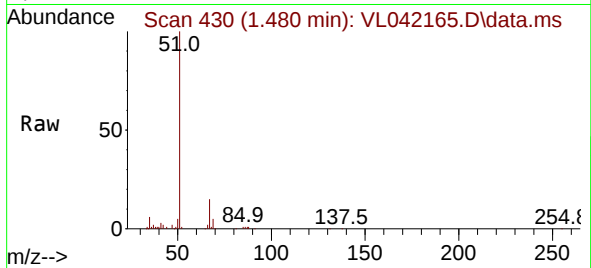




#3
Chlorodifluoromethane
Concen: 2.044 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

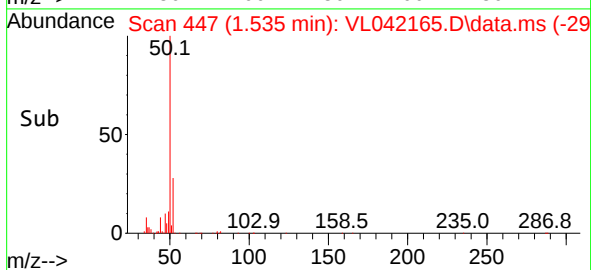
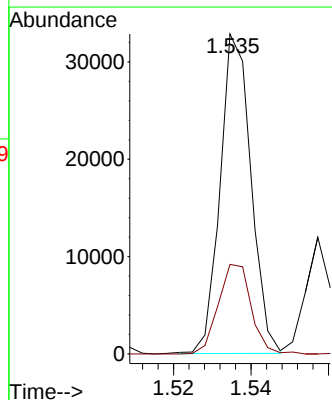
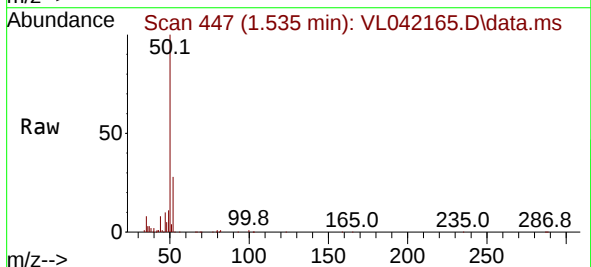
Instrument :
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ClientSampleId :
VSTDICC002

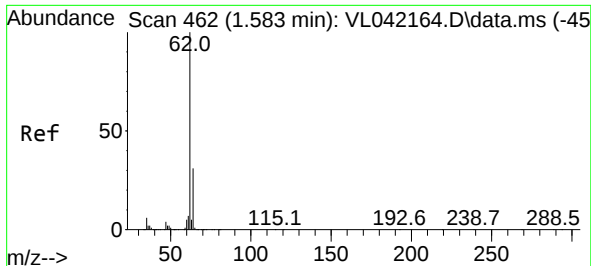
Tgt Ion: 51 Resp: 53635
Ion Ratio Lower Upper
51 100
67 14.9 13.3 19.9



#4
Chloromethane
Concen: 2.469 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 50 Resp: 18102
Ion Ratio Lower Upper
50 100
52 28.2 26.4 39.6

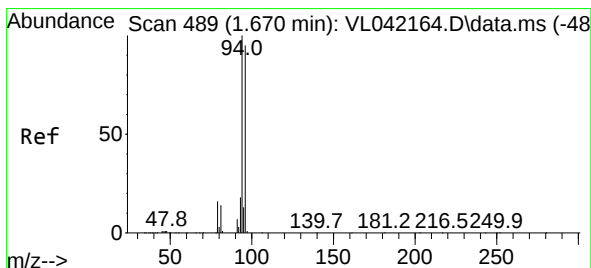
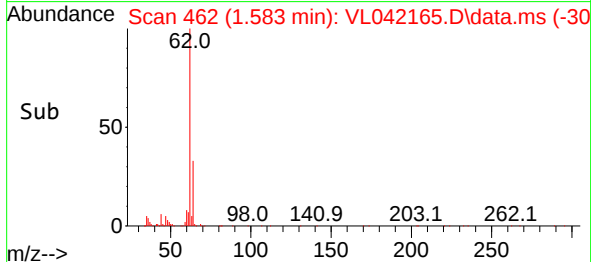
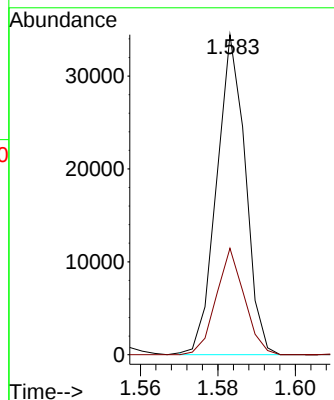
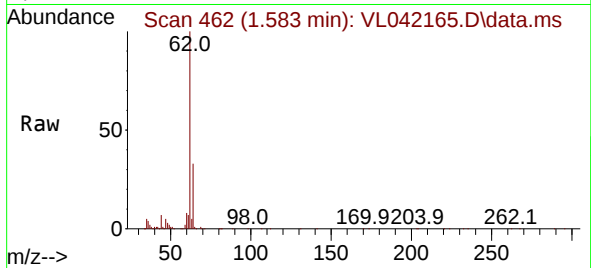




#5
 Vinyl Chloride
 Concen: 2.588 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

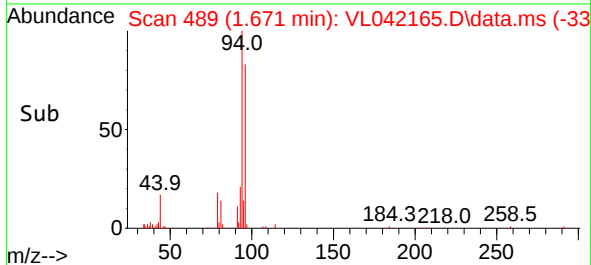
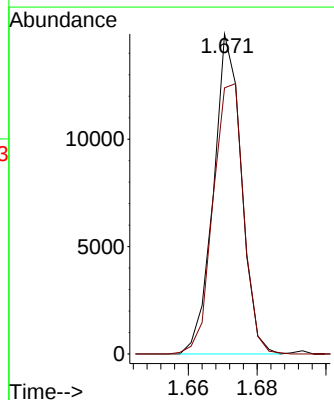
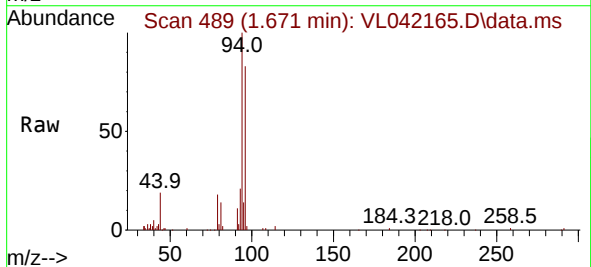
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

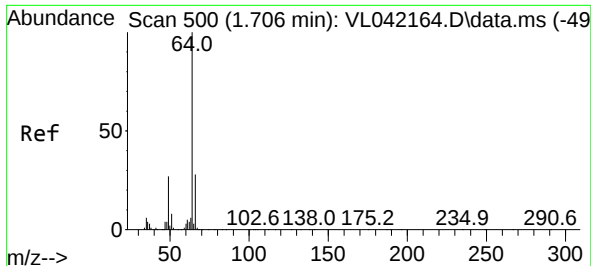
Tgt Ion: 62 Resp: 17674
 Ion Ratio Lower Upper
 62 100
 64 33.2 24.8 37.2



#6
 Bromomethane
 Concen: 2.529 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Tgt Ion: 94 Resp: 8401
 Ion Ratio Lower Upper
 94 100
 96 82.8 75.8 113.6

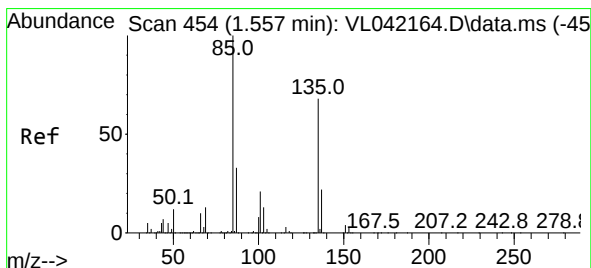
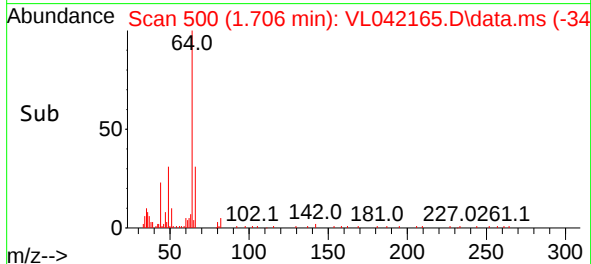
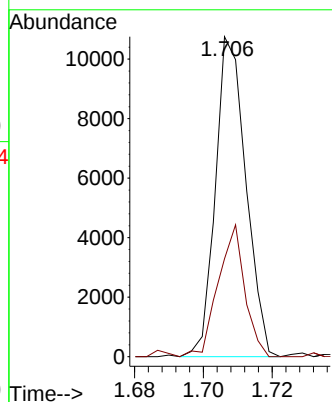
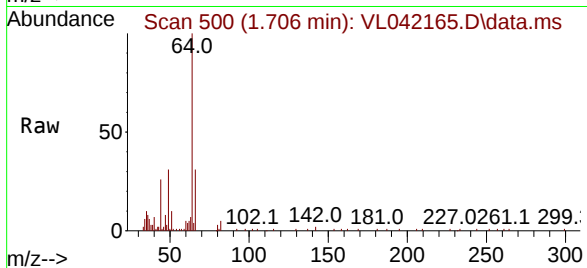




#7
Chloroethane
Concen: 2.338 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

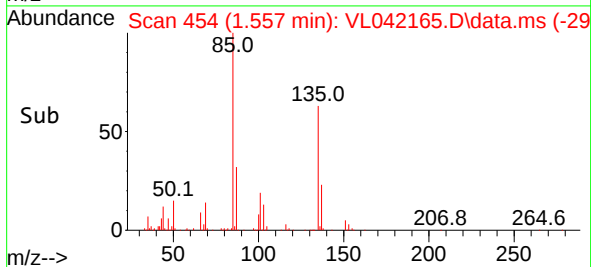
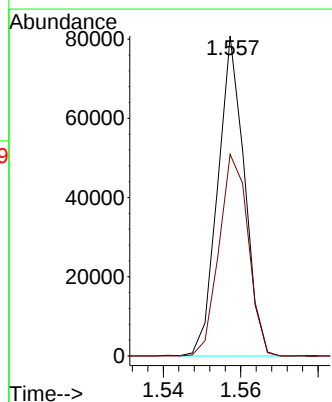
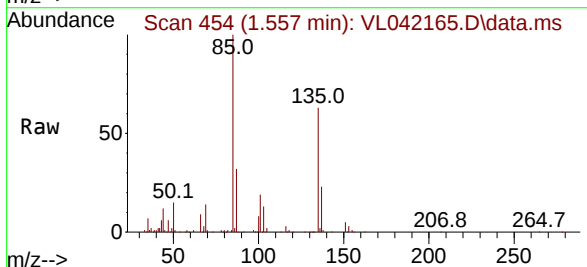
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MSVOA_1
ClientSampleId :
VSTDICC002

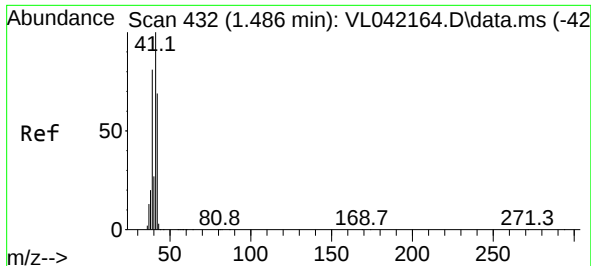
Tgt Ion: 64 Resp: 6606
Ion Ratio Lower Upper
64 100
66 30.6 22.2 33.4



#8
Dichlorotetrafluoroethane
Concen: 2.372 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 85 Resp: 38506
Ion Ratio Lower Upper
85 100
135 69.5 54.3 81.5





#9

Propene

Concen: 1.990 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

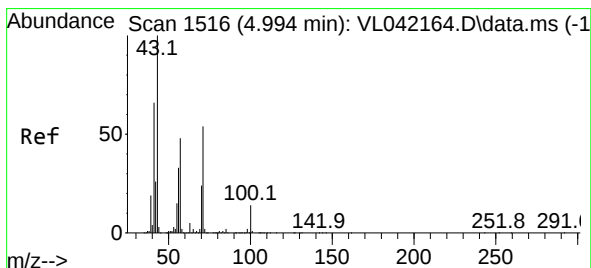
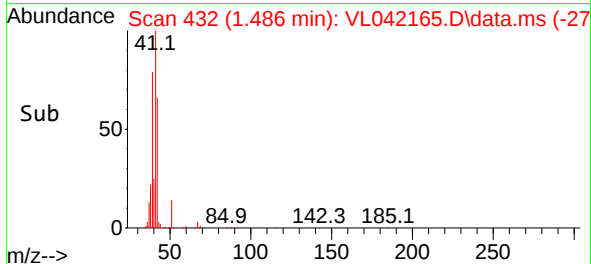
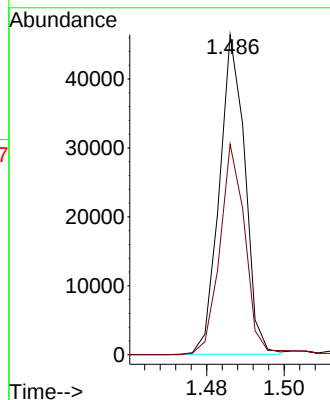
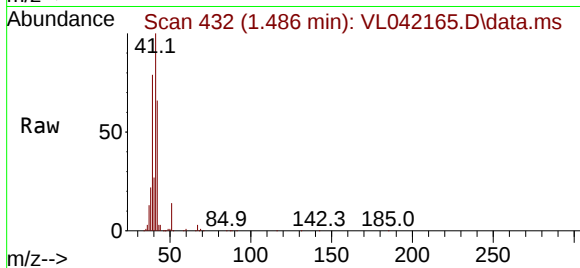
VSTDIC002

Tgt Ion: 41 Resp: 21193

Ion Ratio Lower Upper

41 100

42 67.0 55.9 83.9



#10

Heptane

Concen: 1.522 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.004 min

Lab File: VL042165.D

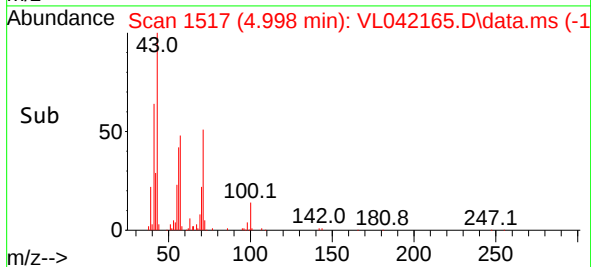
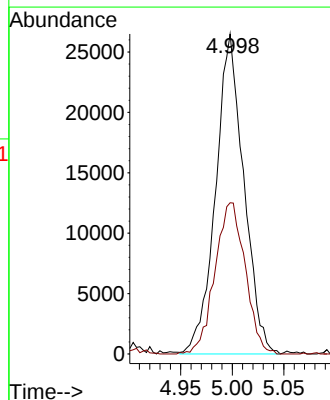
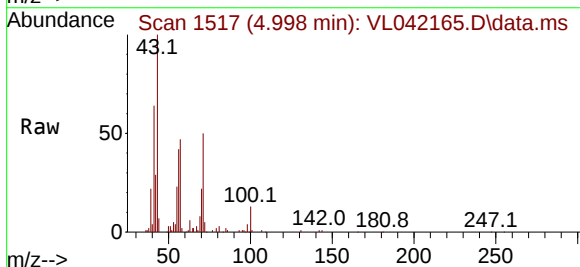
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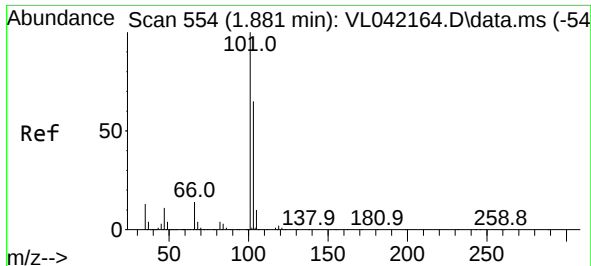
Tgt Ion: 43 Resp: 50346

Ion Ratio Lower Upper

43 100

57 50.7 38.3 57.5

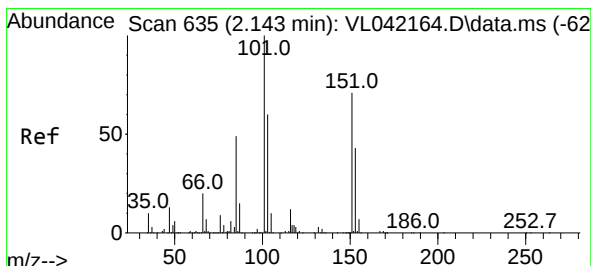
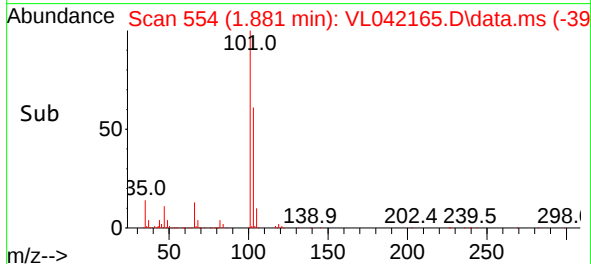
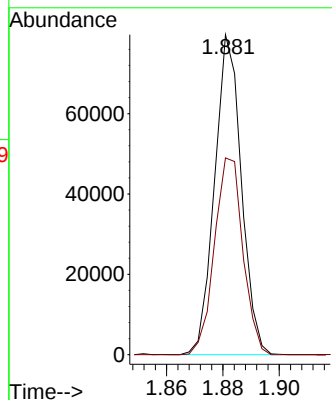
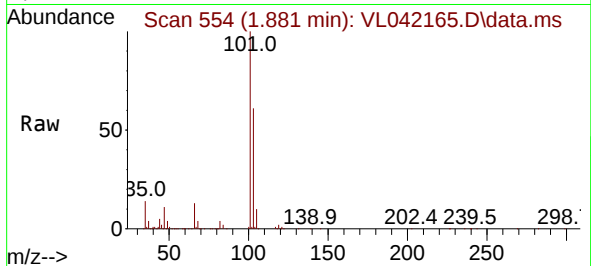




#11
 Trichlorofluoromethane
 Concen: 2.633 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

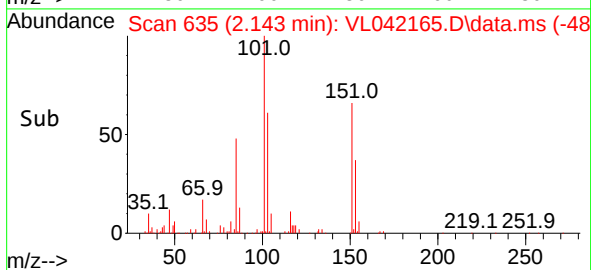
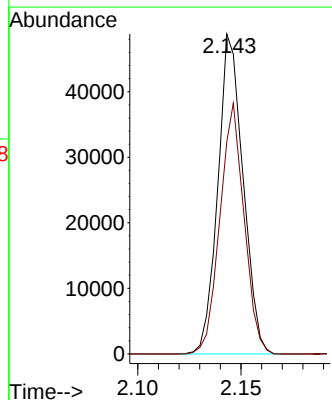
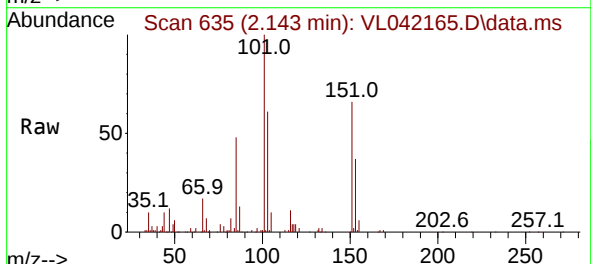
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

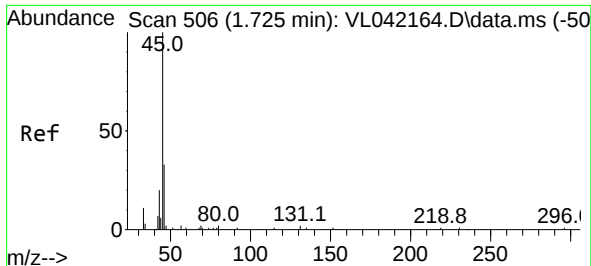
Tgt Ion:101 Resp: 52533
 Ion Ratio Lower Upper
 101 100
 103 61.5 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.568 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Tgt Ion:101 Resp: 41439
 Ion Ratio Lower Upper
 101 100
 151 75.0 57.0 85.4

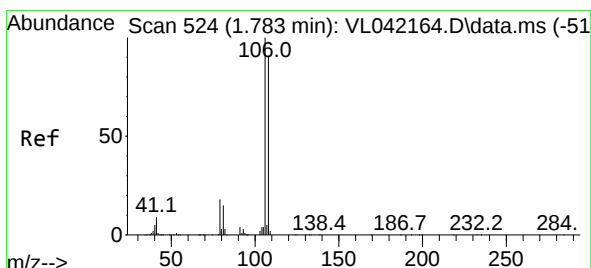
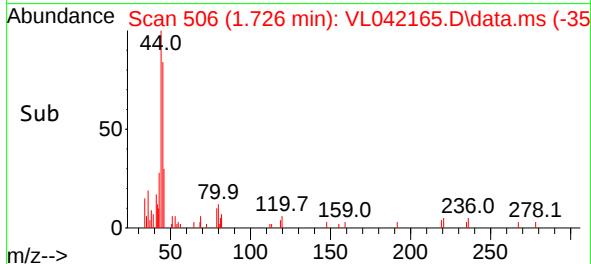
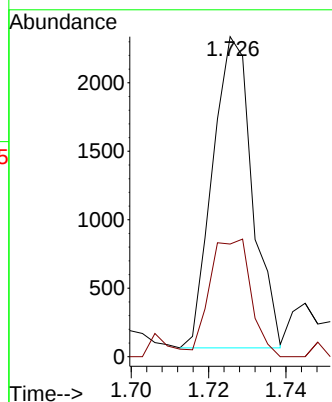
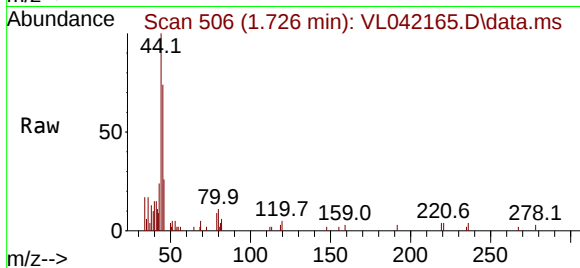




#13
Ethanol
Concen: 2.324 ppbv
RT: 1.726 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

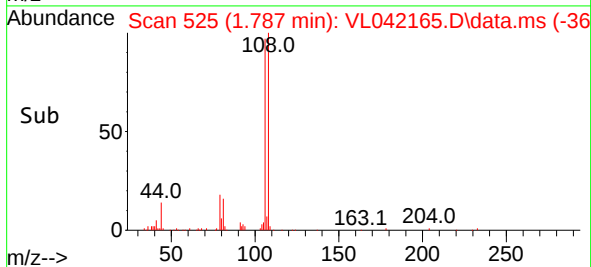
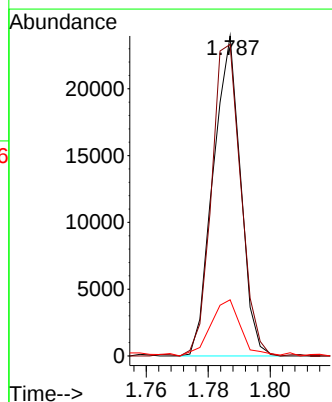
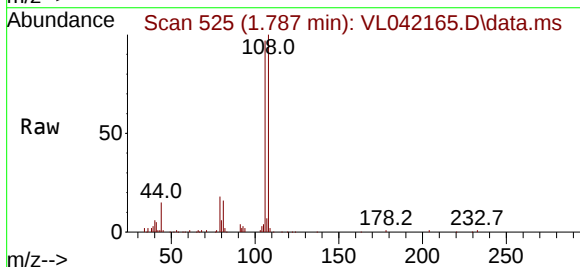
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

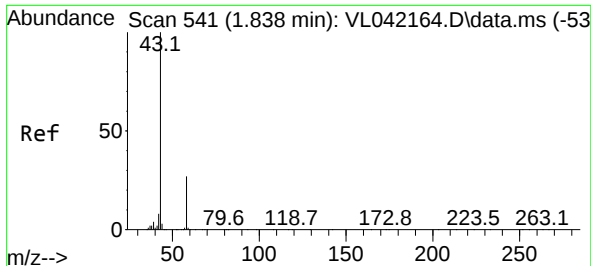
Tgt Ion: 45 Resp: 1619
Ion Ratio Lower Upper
45 100
46 46.4 16.3 65.1



#14
Bromoethene
Concen: 2.642 ppbv
RT: 1.787 min Scan# 525
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 108 Resp: 14721
Ion Ratio Lower Upper
108 100
106 104.4 85.8 128.8
79 23.1 15.5 23.3

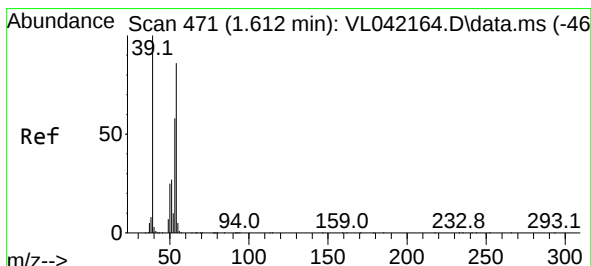
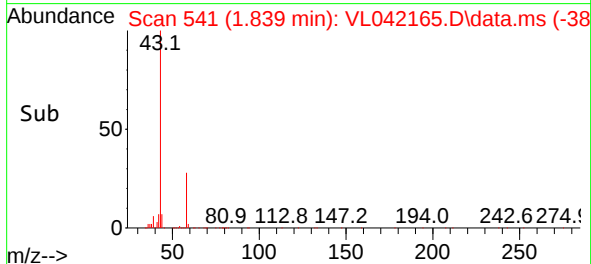
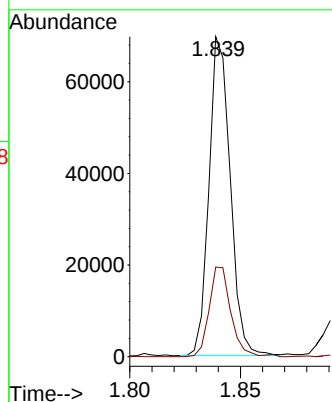
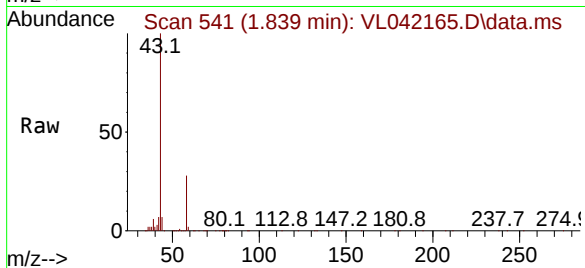




#15
Acetone
Concen: 2.762 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

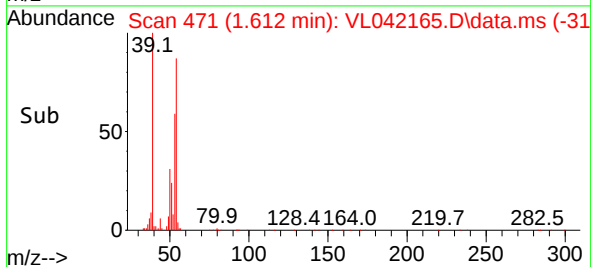
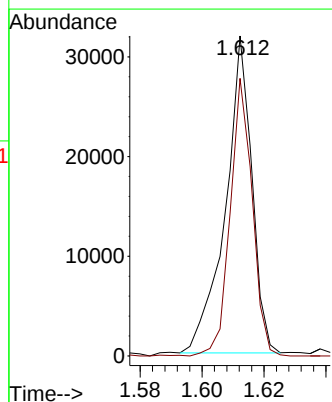
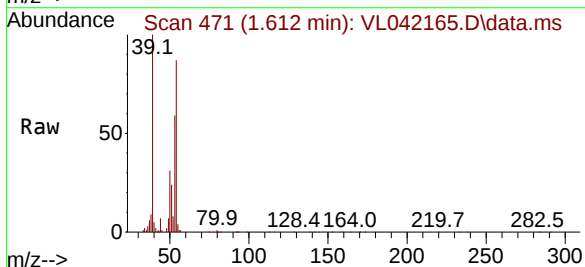
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ClientSampleId :
VSTDICC002

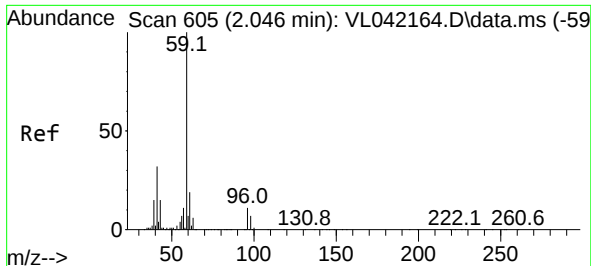
Tgt Ion: 43 Resp: 46532
Ion Ratio Lower Upper
43 100
58 28.9 20.9 31.3



#16
1,3-Butadiene
Concen: 2.407 ppbv
RT: 1.612 min Scan# 471
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 39 Resp: 18817
Ion Ratio Lower Upper
39 100
54 73.9 60.0 90.0





#17

tert-Butyl alcohol

Concen: 2.108 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

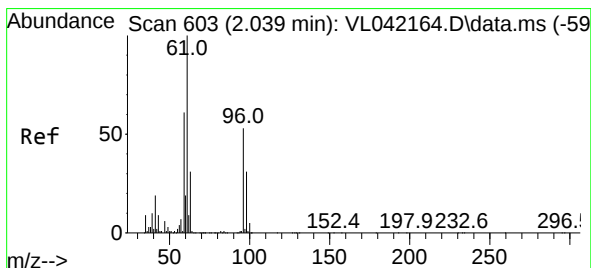
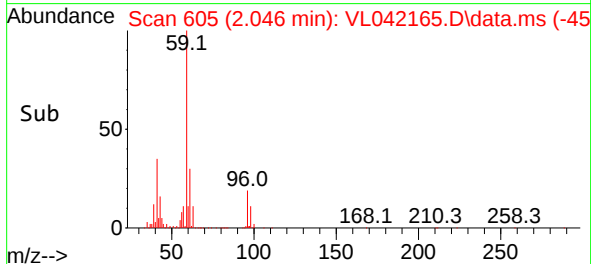
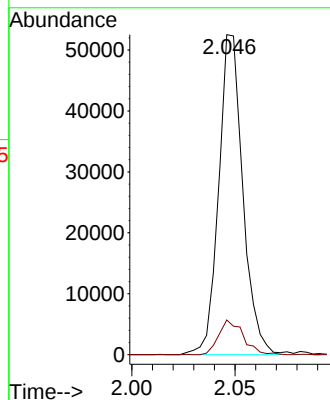
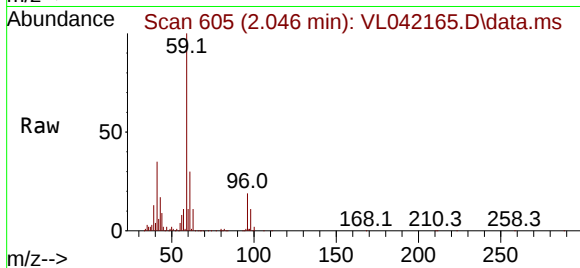
VSTDICC002

Tgt Ion: 59 Resp: 42744

Ion Ratio Lower Upper

59 100

57 11.2 8.9 13.3



#18

1,1-Dichloroethene

Concen: 2.397 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

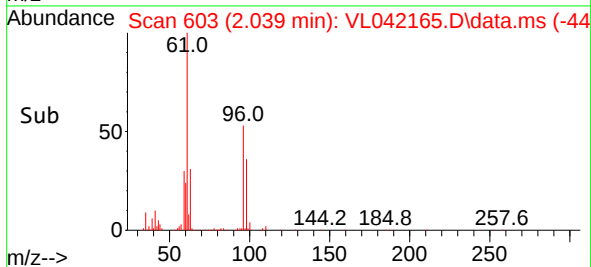
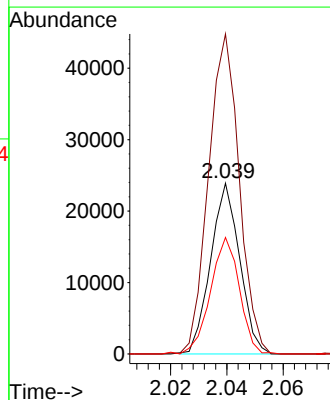
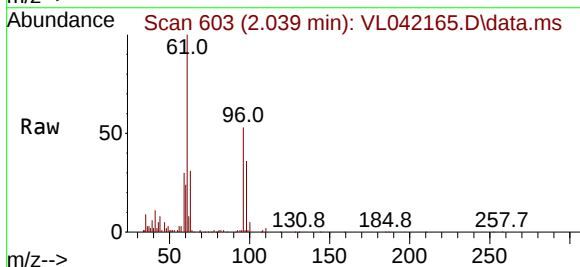
Tgt Ion: 96 Resp: 17129

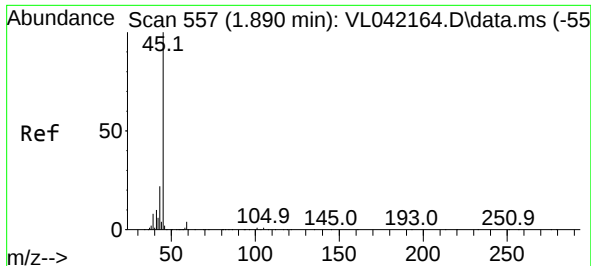
Ion Ratio Lower Upper

96 100

61 187.4 150.0 225.0

98 68.3 45.7 68.5

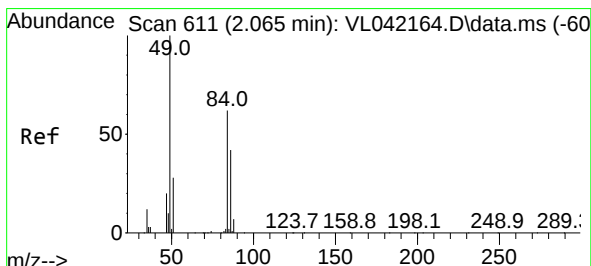
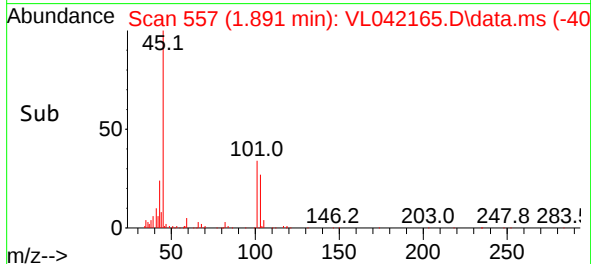
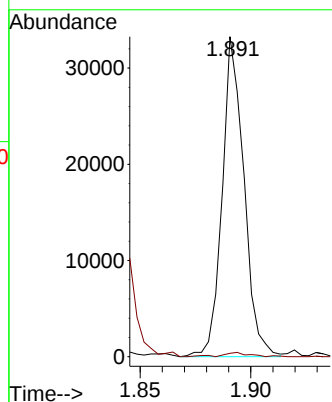
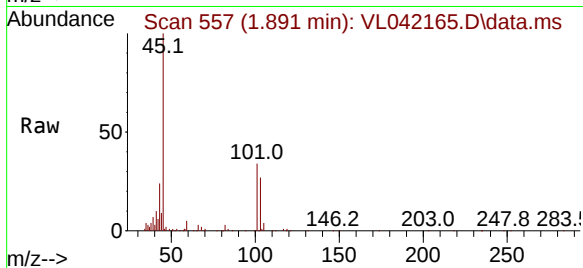




#19
Isopropyl Alcohol
Concen: 2.381 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

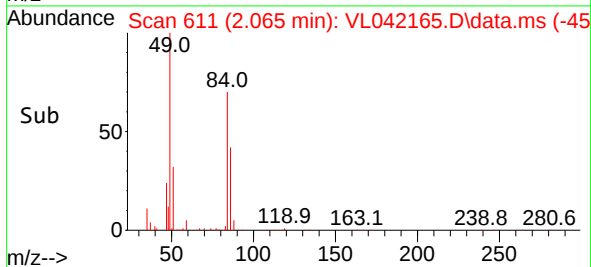
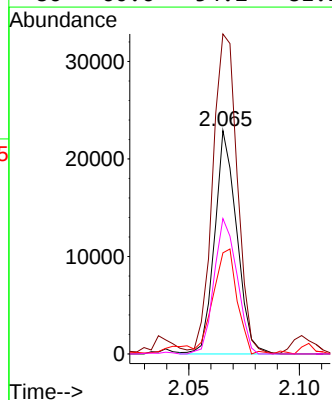
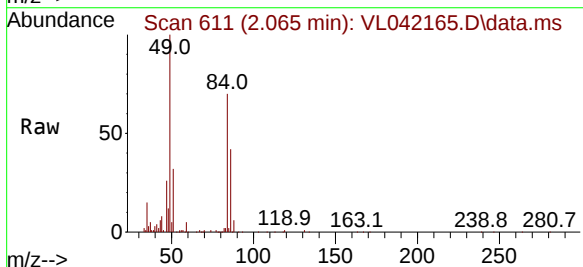
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

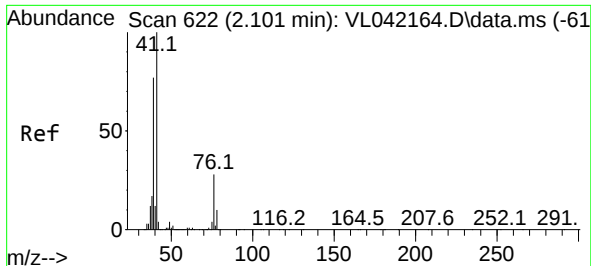
Tgt Ion: 45 Resp: 22780
Ion Ratio Lower Upper
45 100
58 58.7 1.8 2.8#



#20
Methylene Chloride
Concen: 2.519 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 84 Resp: 15925
Ion Ratio Lower Upper
84 100
49 142.8 129.4 194.0
51 44.0 38.2 57.2
86 60.6 54.2 81.2

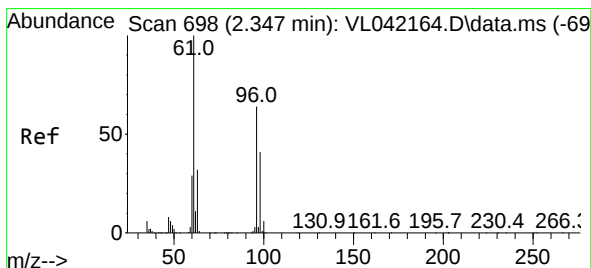
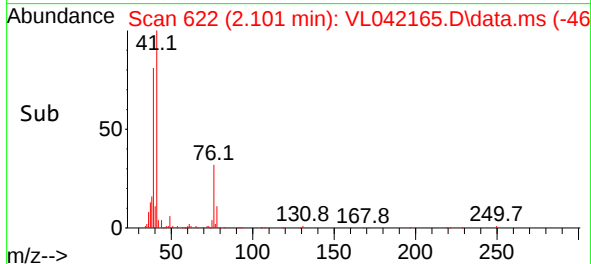
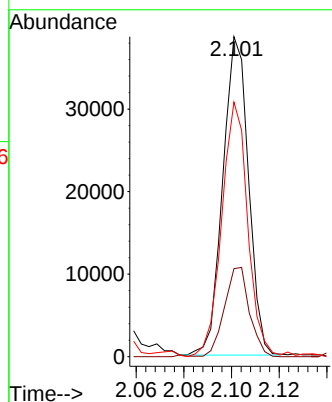
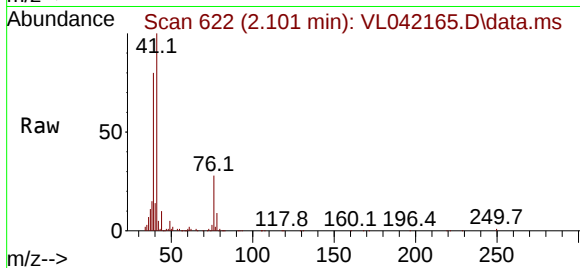




#21
 Allyl Chloride
 Concen: 2.385 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

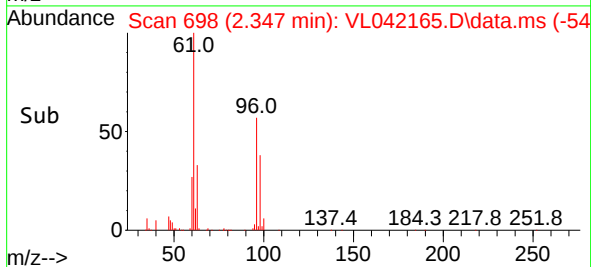
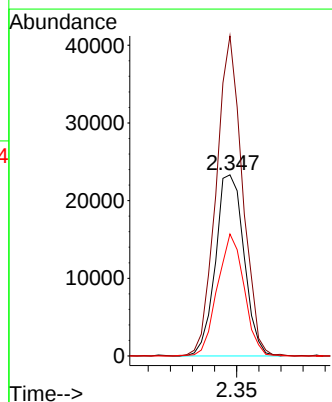
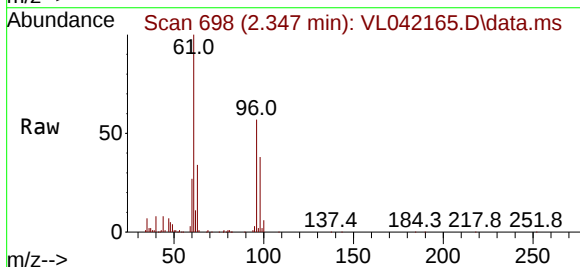
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

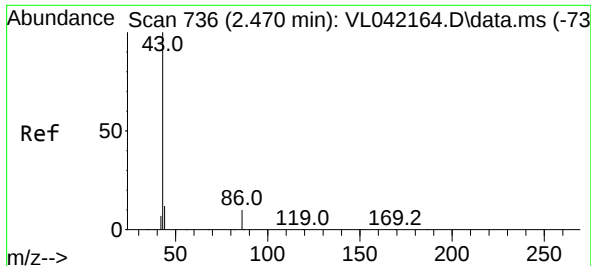
Tgt Ion: 41 Resp: 28813
 Ion Ratio Lower Upper
 41 100
 76 27.6 22.2 33.4
 39 79.7 61.4 92.2



#22
 trans-1,2-Dichloroethene
 Concen: 2.473 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Tgt Ion: 96 Resp: 20877
 Ion Ratio Lower Upper
 96 100
 61 176.7 125.8 188.8
 98 67.0 51.4 77.2

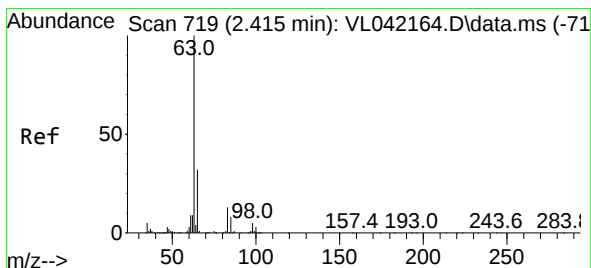
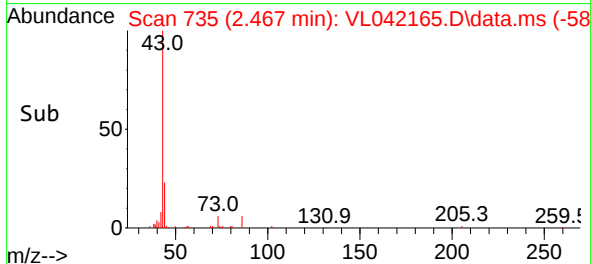
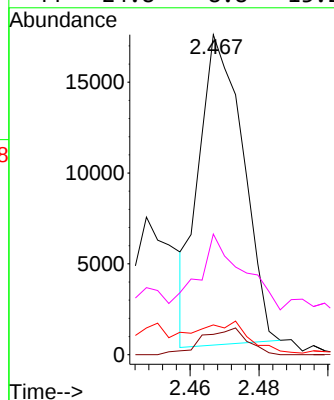
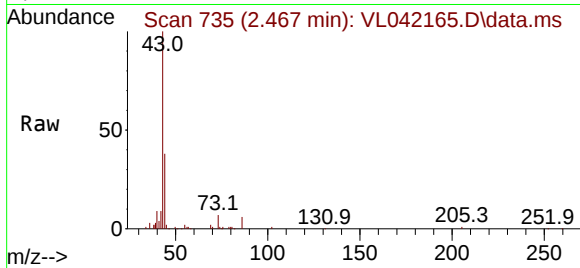




#23
Vinyl Acetate
Concen: 1.406 ppbv
RT: 2.467 min Scan# 714
Delta R.T. -0.003 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

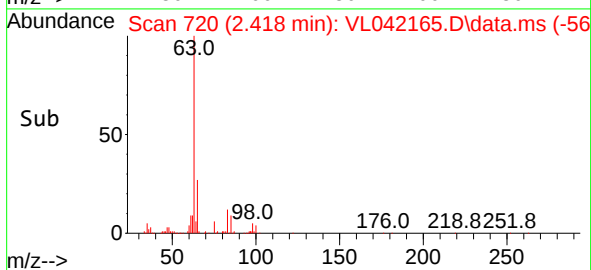
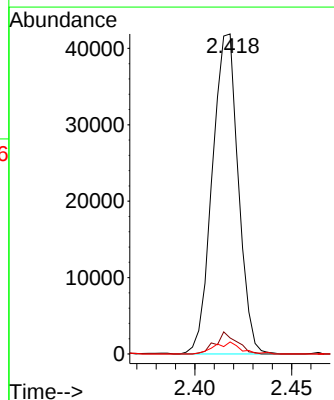
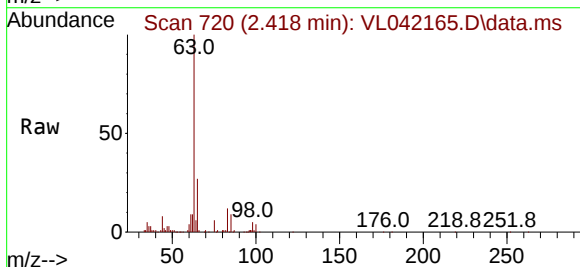
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

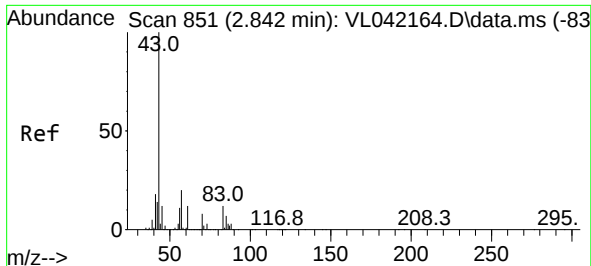
Tgt Ion:	43	Resp:	15143
Ion	Ratio	Lower	Upper
43	100		
86	6.7	6.7	10.1#
42	8.5	8.5	12.7
44	24.8	8.8	13.2#



#24
1,1-Dichloroethane
Concen: 2.484 ppbv
RT: 2.418 min Scan# 720
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion:	63	Resp:	39073
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.6	7.8
100	3.8	1.4	4.0

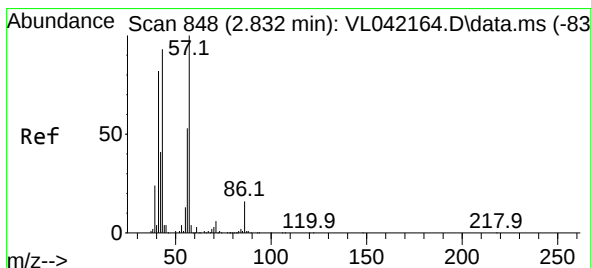
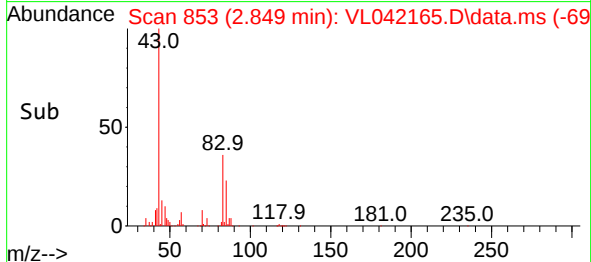
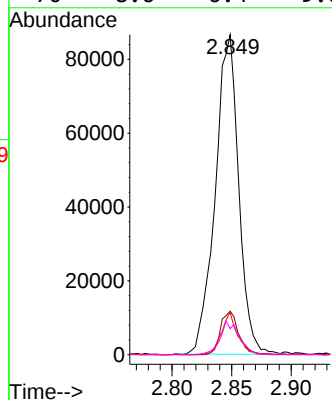
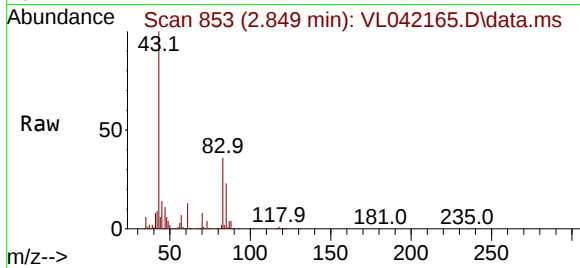




#25
Ethyl Acetate
Concen: 1.852 ppbv
RT: 2.849 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

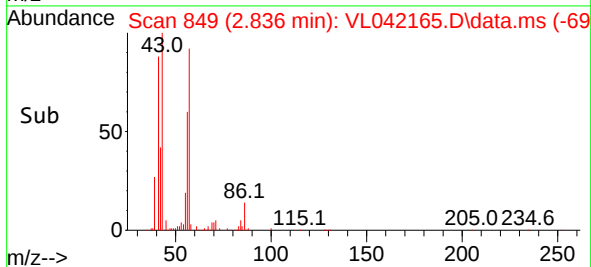
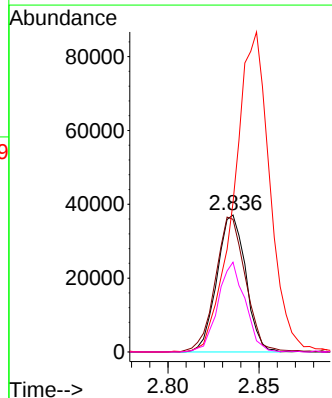
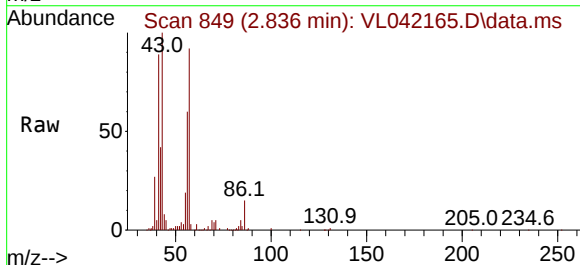
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

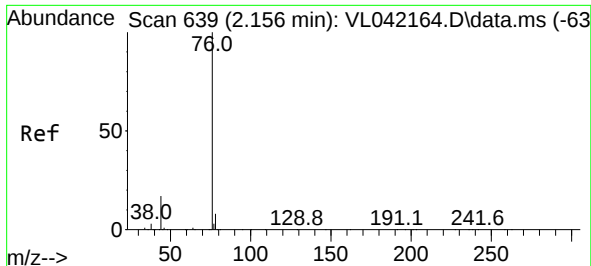
Tgt Ion: 43 Resp: 118316
Ion Ratio Lower Upper
43 100
45 10.5 8.4 12.6
61 9.2 7.3 10.9
70 8.6 6.4 9.6



#26
Hexane
Concen: 1.589 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 57 Resp: 40682
Ion Ratio Lower Upper
57 100
41 104.0 73.9 110.9
43 294.1 210.0 315.0
56 62.4 44.8 67.2





#27

Carbon Disulfide

Concen: 2.509 ppbv

RT: 2.156 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

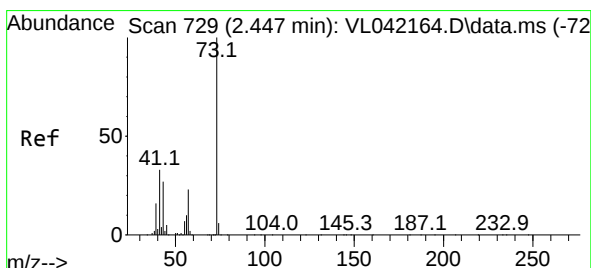
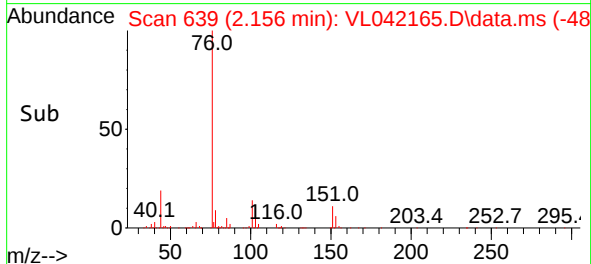
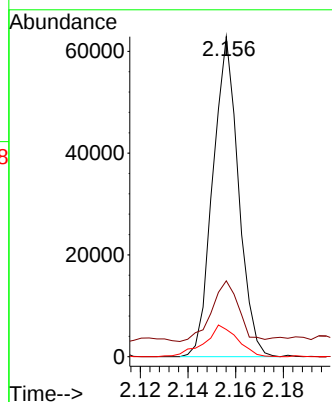
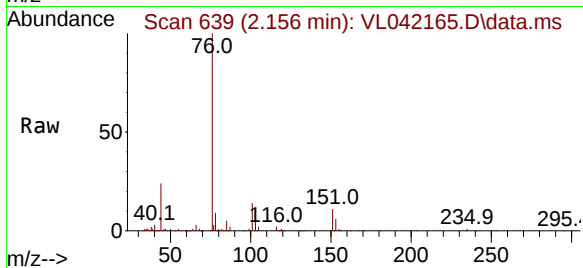
Tgt Ion: 76 Resp: 46871

Ion Ratio Lower Upper

76 100

44 33.8 17.0 25.4#

78 12.8 9.0 13.6



#28

Methyl tert-Butyl Ether

Concen: 1.852 ppbv

RT: 2.451 min Scan# 730

Delta R.T. 0.004 min

Lab File: VL042165.D

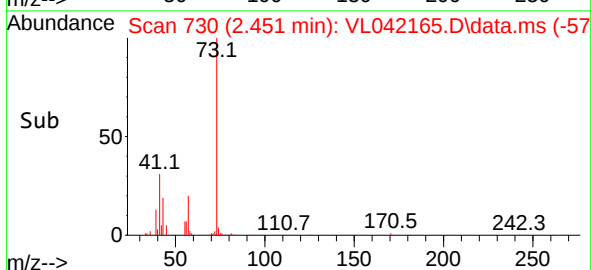
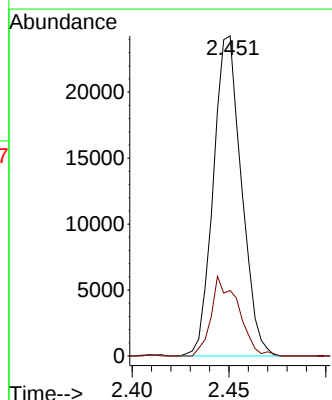
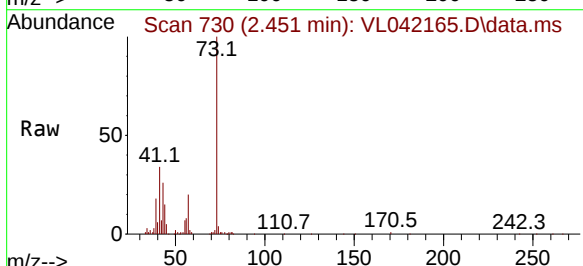
Acq: 25 Mar 2025 09:29

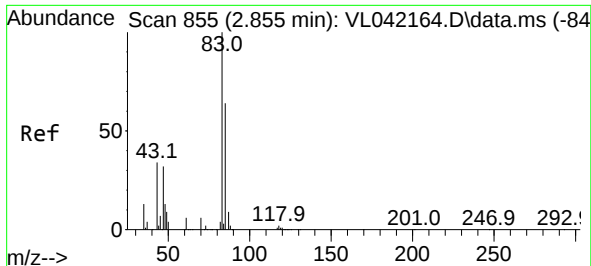
Tgt Ion: 73 Resp: 24492

Ion Ratio Lower Upper

73 100

57 24.1 18.6 28.0





#29

Chloroform

Concen: 2.017 ppbv

RT: 2.858 min Scan# 81

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

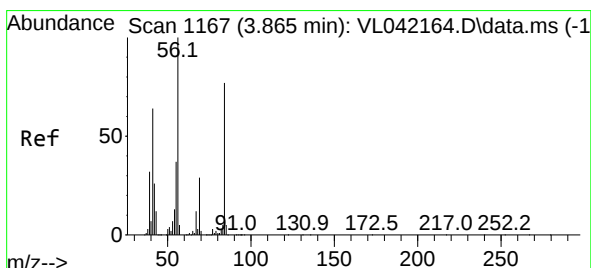
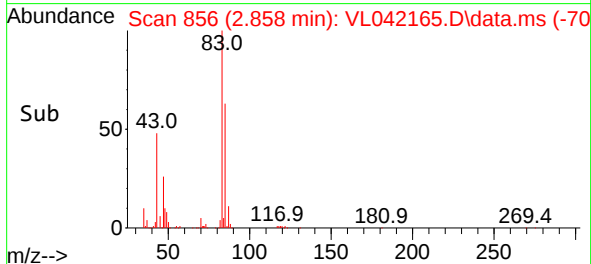
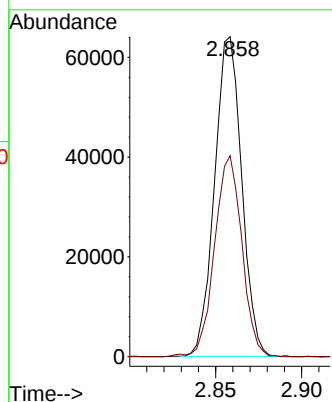
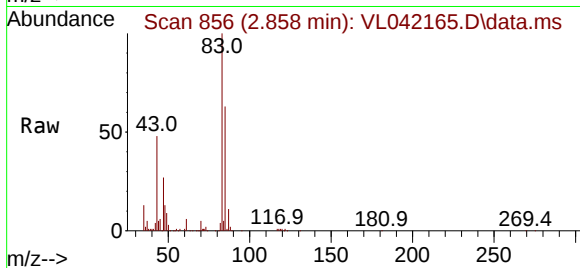
VSTDIC002

Tgt Ion: 83 Resp: 70298

Ion Ratio Lower Upper

83 100

85 62.8 51.4 77.0



#30

Cyclohexane

Concen: 1.424 ppbv

RT: 3.868 min Scan# 1168

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

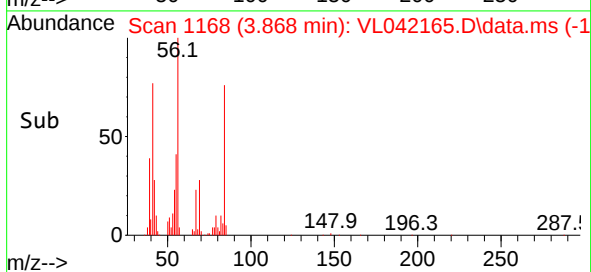
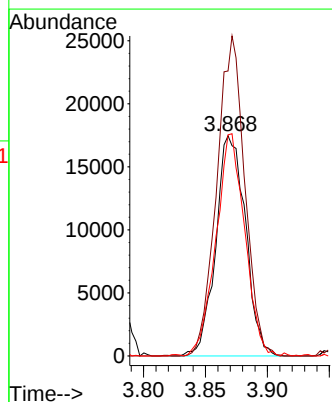
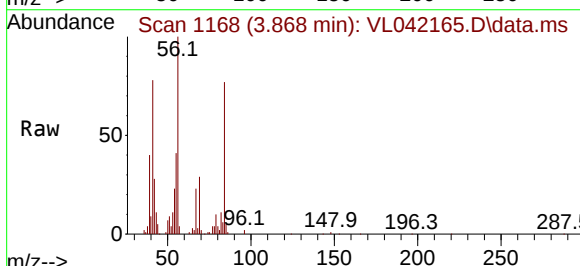
Tgt Ion: 84 Resp: 29119

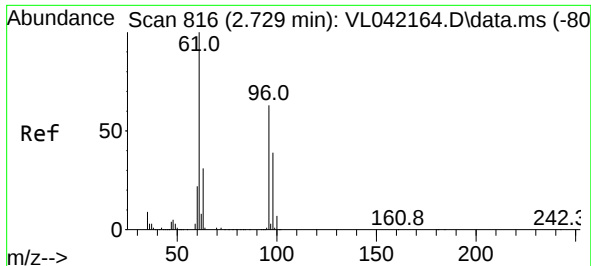
Ion Ratio Lower Upper

84 100

56 137.2 107.0 160.6

41 98.4 69.9 104.9

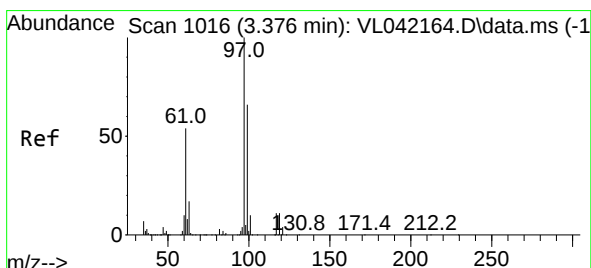
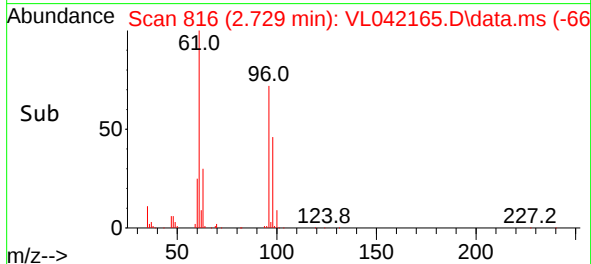
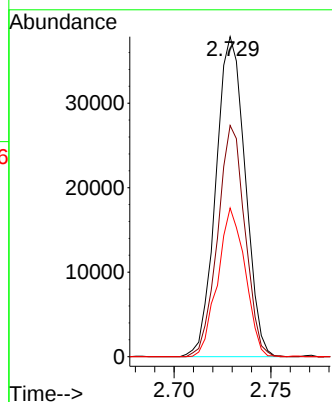
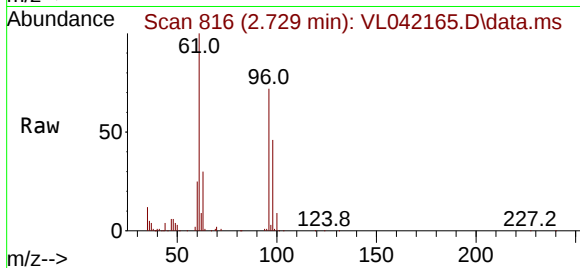




#31
 cis-1,2-Dichloroethene
 Concen: 1.669 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

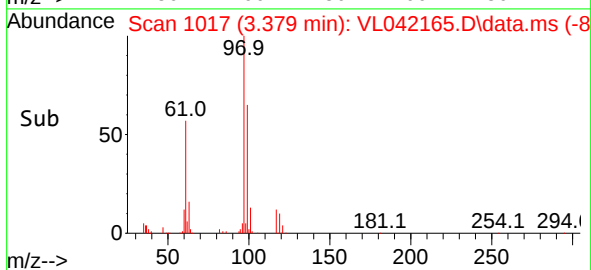
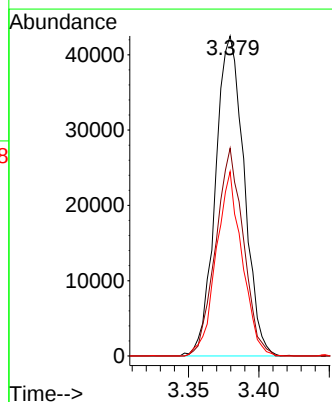
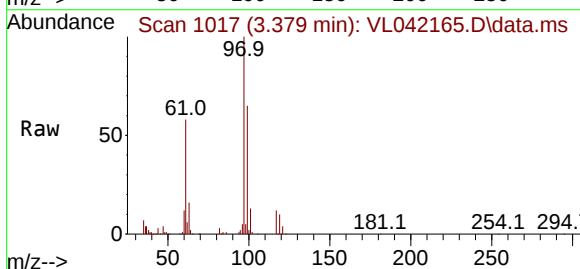
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

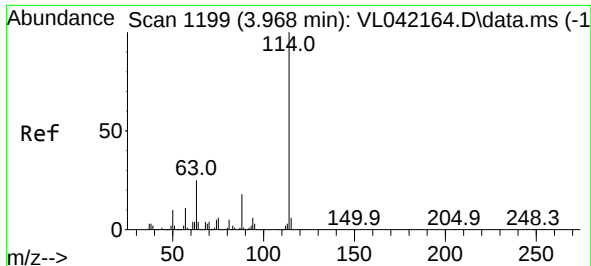
Tgt Ion: 61 Resp: 39816
 Ion Ratio Lower Upper
 61 100
 96 72.2 50.7 76.1
 98 46.4 31.4 47.0



#32
 1,1,1-Trichloroethane
 Concen: 1.809 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Tgt Ion: 97 Resp: 60148
 Ion Ratio Lower Upper
 97 100
 99 62.7 50.6 75.8
 61 52.3 42.1 63.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.972 min Scan# 1199

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

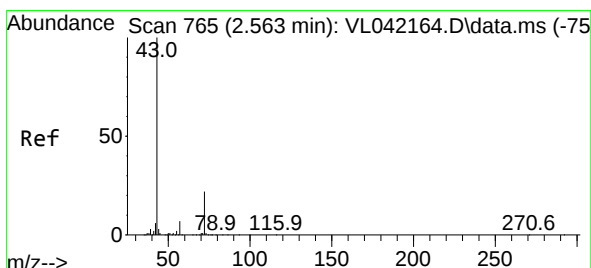
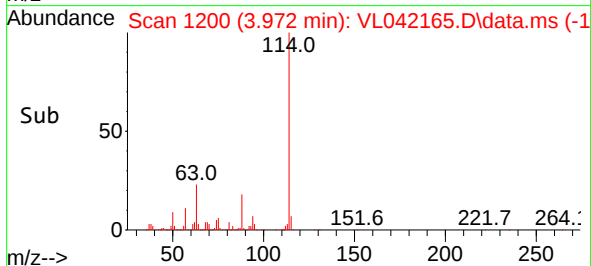
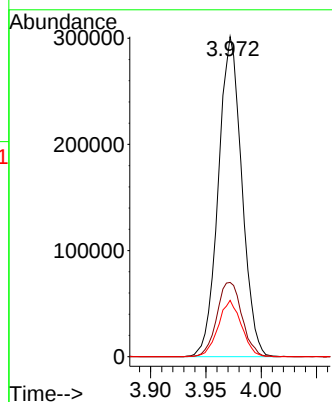
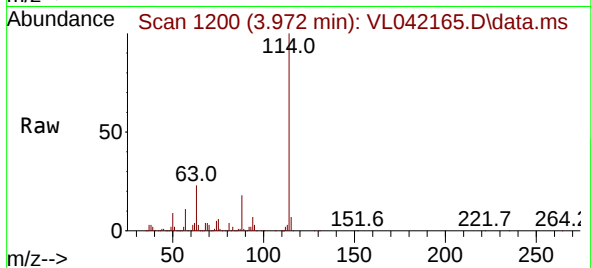
Tgt Ion:114 Resp: 444936

Ion Ratio Lower Upper

114 100

63 24.9 20.1 30.1

88 17.4 14.2 21.2



#34

2-Butanone

Concen: 1.950 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.004 min

Lab File: VL042165.D

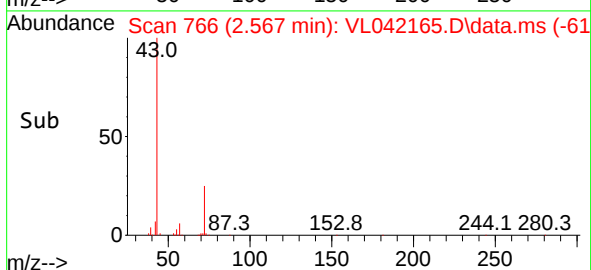
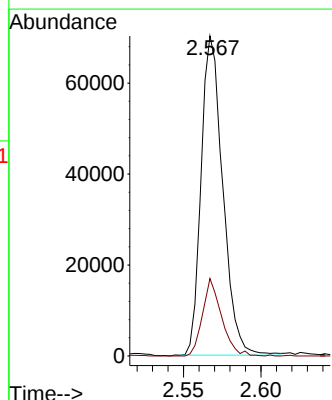
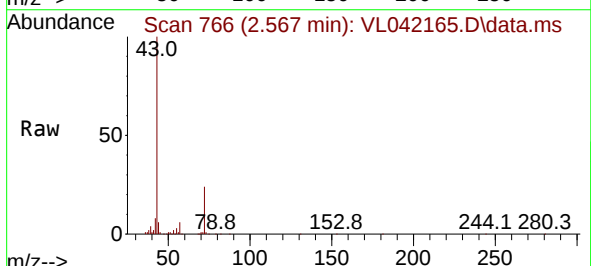
Acq: 25 Mar 2025 09:29

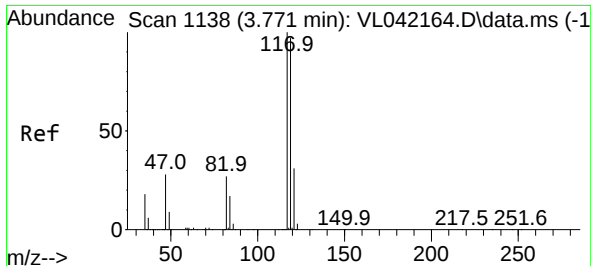
Tgt Ion: 43 Resp: 68307

Ion Ratio Lower Upper

43 100

72 21.3 17.2 25.8

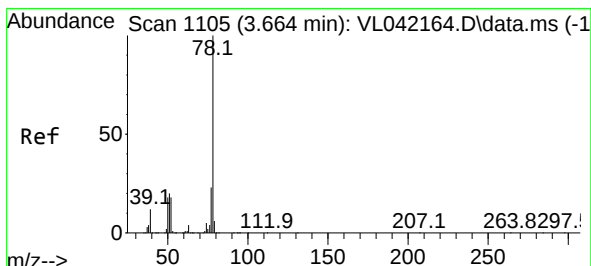
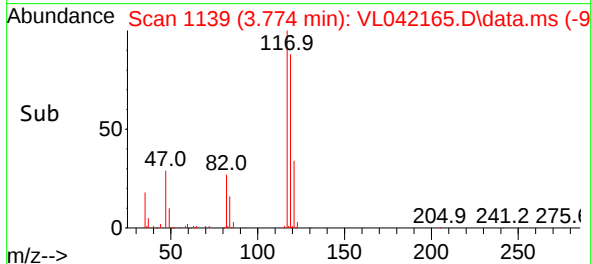
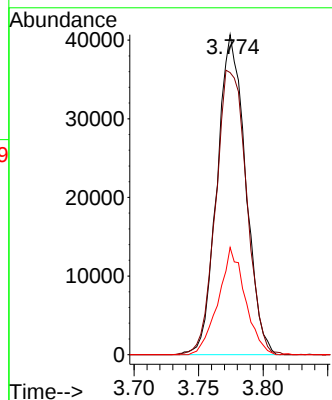
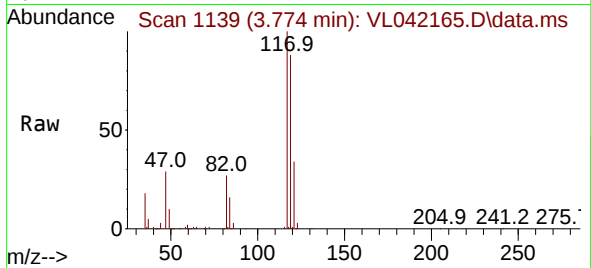




#35
Carbon Tetrachloride
Concen: 2.012 ppbv
RT: 3.774 min Scan# 1138
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

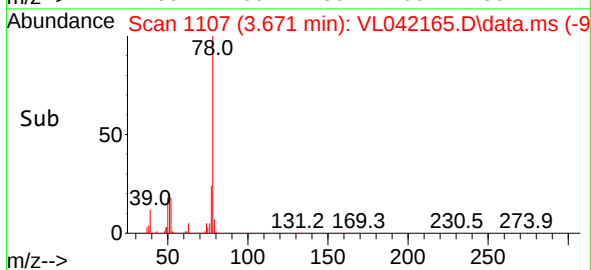
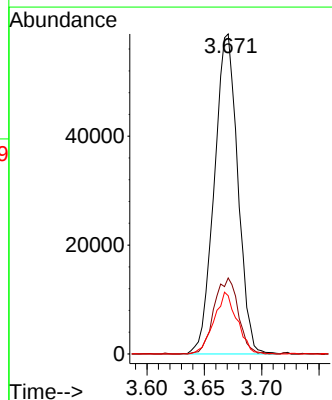
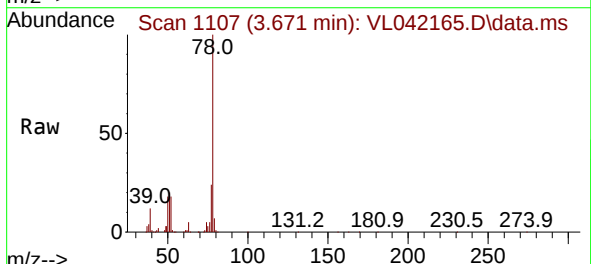
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

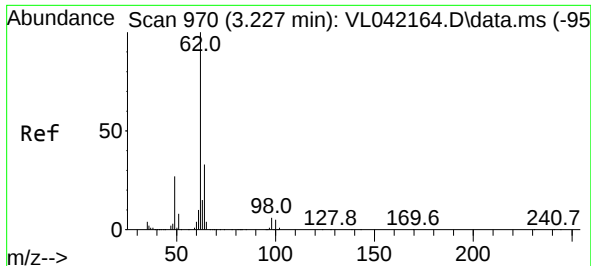
Tgt Ion:117 Resp: 62457
Ion Ratio Lower Upper
117 100
119 87.8 77.5 116.3
121 33.5 24.5 36.7



#36
Benzene
Concen: 1.794 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 78 Resp: 83730
Ion Ratio Lower Upper
78 100
77 23.7 18.4 27.6
50 18.2 14.2 21.4





#37

1,2-Dichloroethane

Concen: 1.904 ppbv

RT: 3.227 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

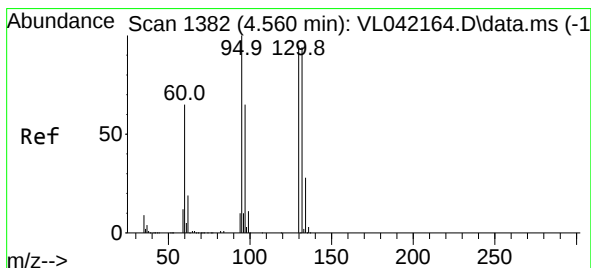
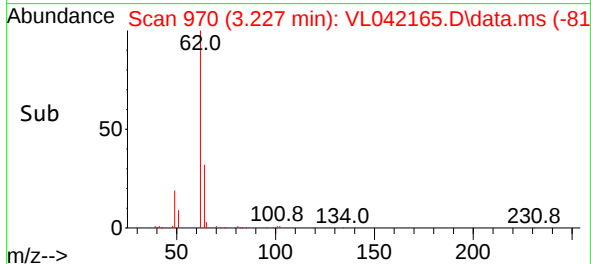
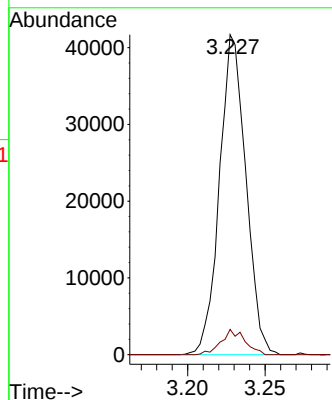
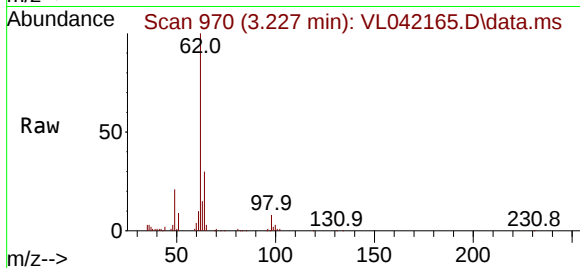
VSTDIC002

Tgt Ion: 62 Resp: 49431

Ion Ratio Lower Upper

62 100

98 7.1 5.4 8.0



#38

Trichloroethene

Concen: 1.699 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. 0.007 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Tgt Ion:130 Resp: 32341

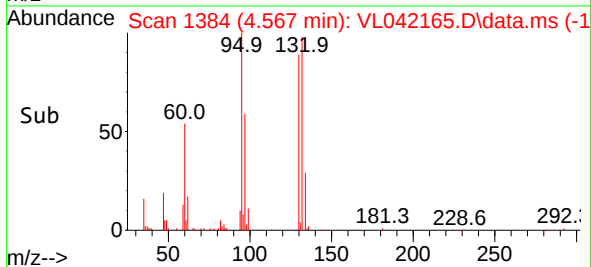
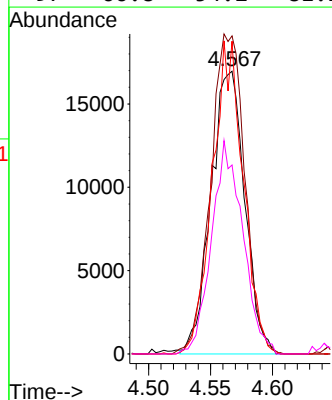
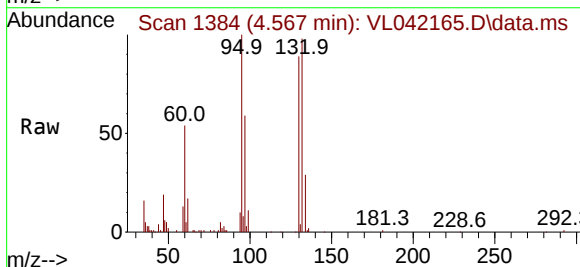
Ion Ratio Lower Upper

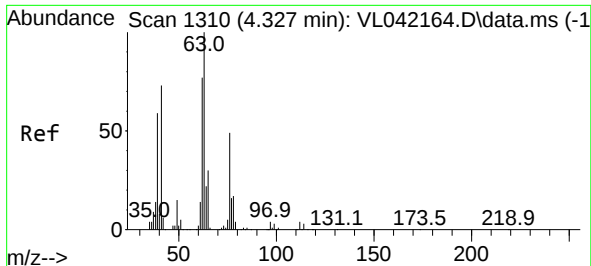
130 100

95 112.0 84.1 126.1

132 110.6 79.0 118.6

97 66.8 54.2 81.2





#39

1,2-Dichloropropane

Concen: 1.871 ppbv

RT: 4.328 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

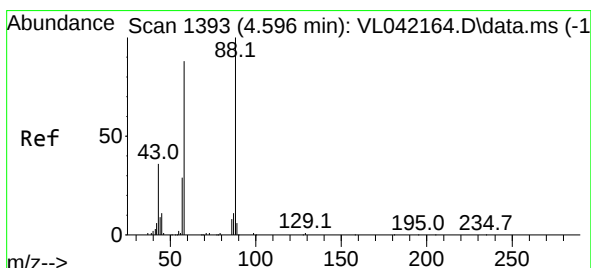
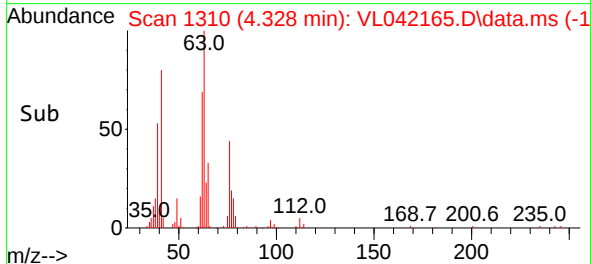
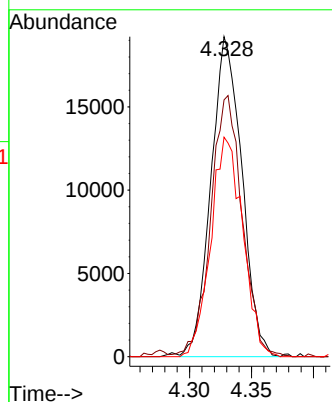
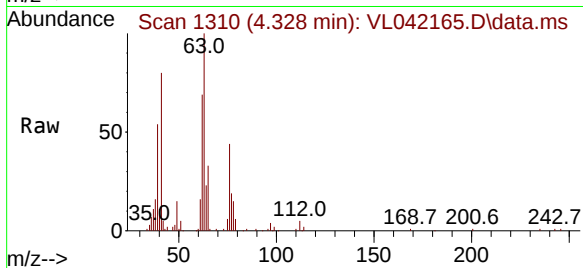
Tgt Ion: 63 Resp: 33352

Ion Ratio Lower Upper

63 100

41 79.2 58.8 88.2

62 68.6 61.3 91.9



#40

1,4-Dioxane

Concen: 0.757 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.013 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Tgt Ion: 88 Resp: 6093

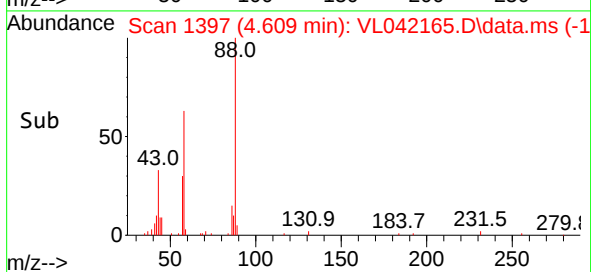
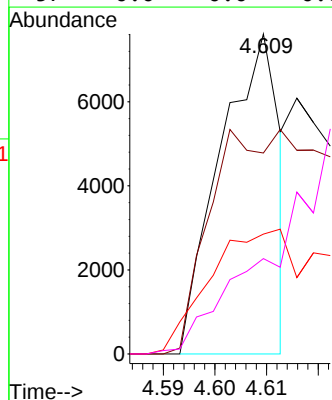
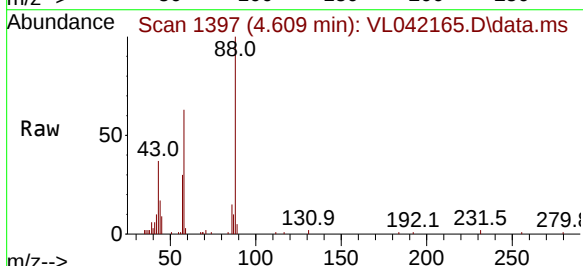
Ion Ratio Lower Upper

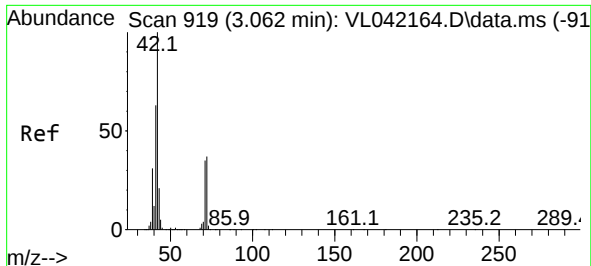
88 100

58 0.0 68.0 102.0#

43 0.0 25.3 37.9#

57 0.0 0.0 0.0

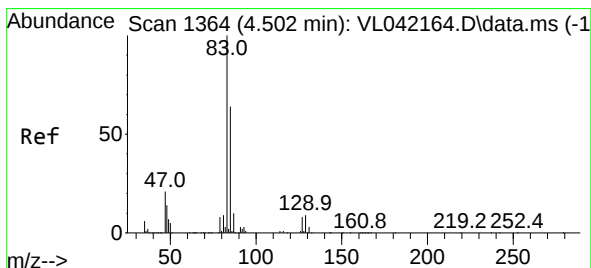
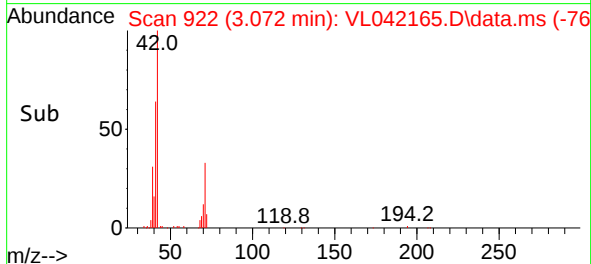
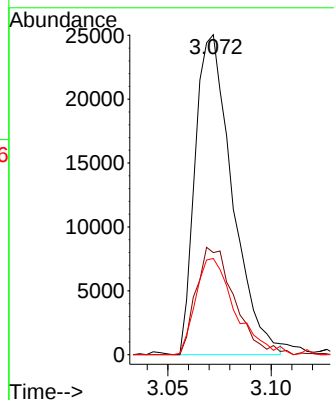
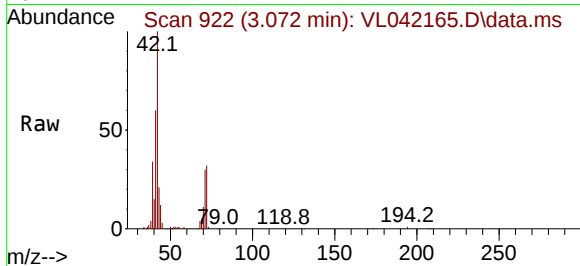




#41
Tetrahydrofuran
Concen: 1.533 ppbv
RT: 3.072 min Scan# 919
Delta R.T. 0.010 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

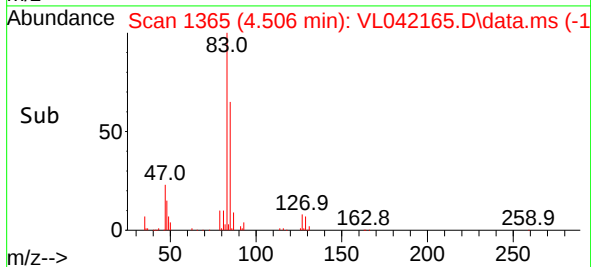
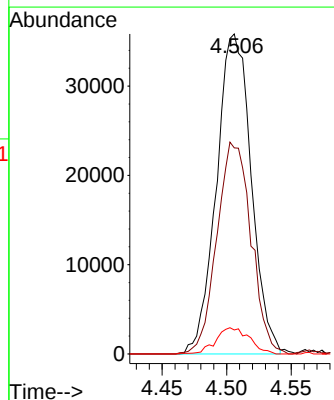
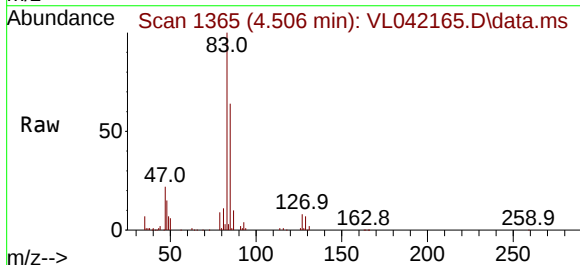
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

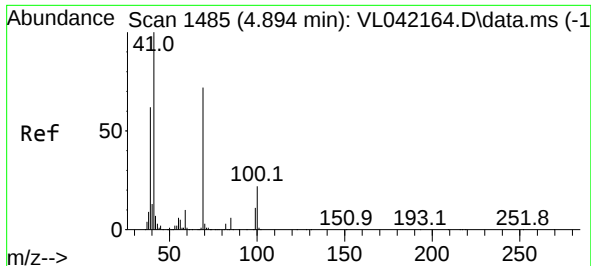
Tgt Ion:	42	Resp:	31294
Ion Ratio	Lower	Upper	
42	100		
72	34.9	29.4	44.2
71	32.2	27.8	41.6



#42
Bromodichloromethane
Concen: 1.915 ppbv
RT: 4.506 min Scan# 1365
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion:	83	Resp:	67139
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.0	76.4
127	7.5	6.6	9.8

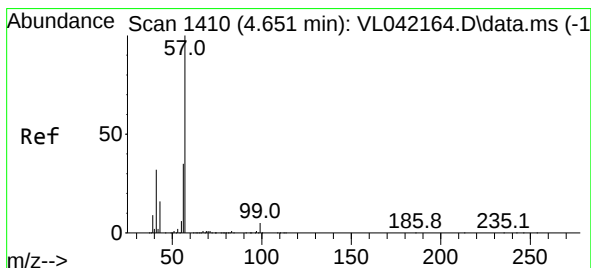
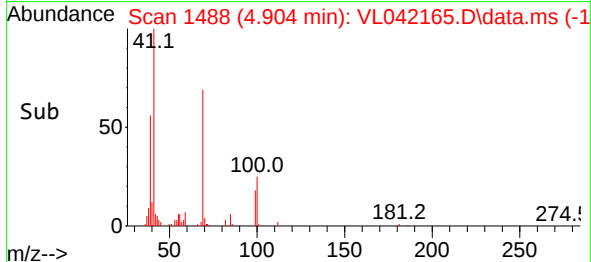
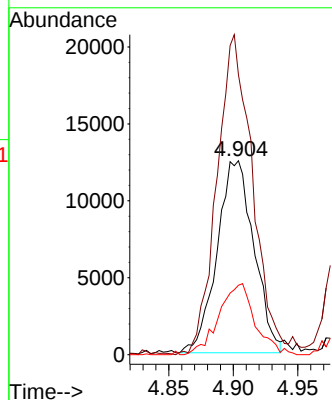
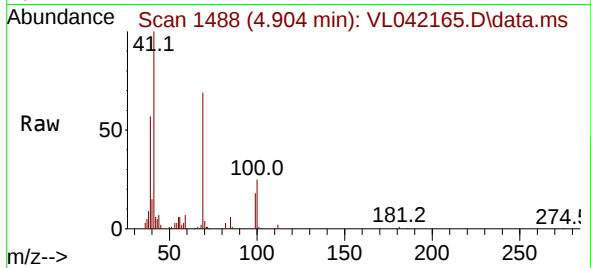




#43
Methyl Methacrylate
Concen: 1.393 ppbv
RT: 4.904 min Scan# 1488
Delta R.T. 0.010 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

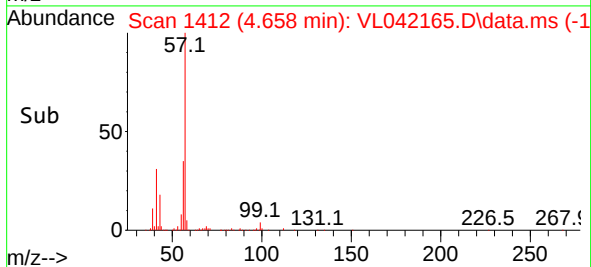
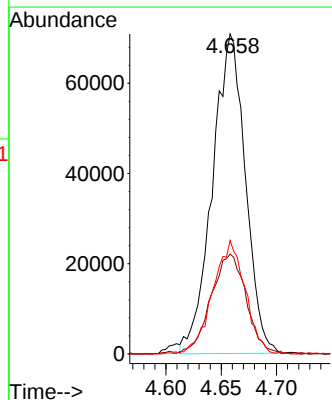
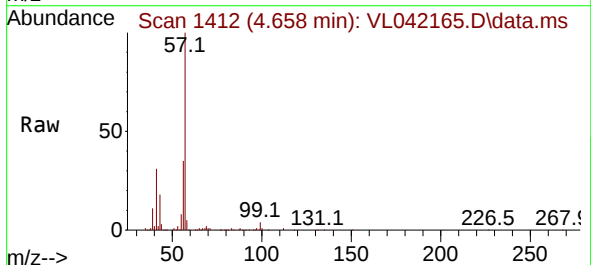
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

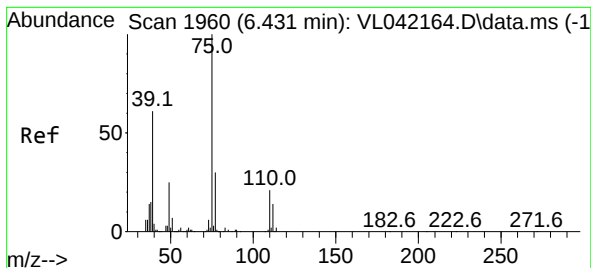
Tgt Ion: 69 Resp: 24868
Ion Ratio Lower Upper
69 100
41 162.6 120.6 180.8
100 36.3 26.2 39.2



#44
2,2,4-Trimethylpentane
Concen: 1.766 ppbv
RT: 4.658 min Scan# 1412
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 57 Resp: 147082
Ion Ratio Lower Upper
57 100
41 33.4 25.8 38.8
56 34.9 27.4 41.0





#45

t-1,3-Dichloropropene

Concen: 0.683 ppbv

RT: 6.441 min Scan# 1960

Delta R.T. 0.010 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

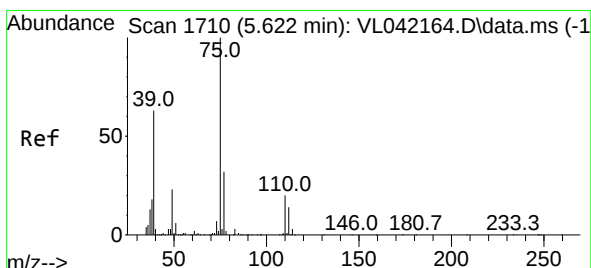
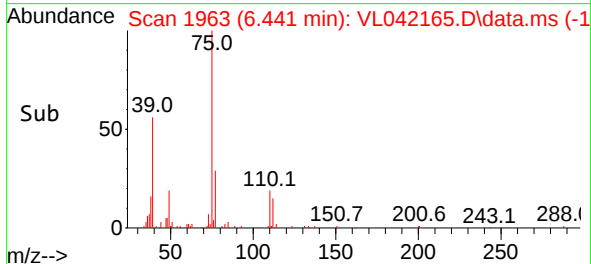
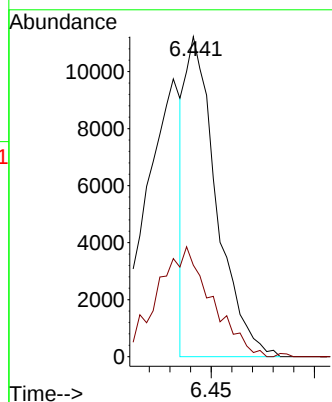
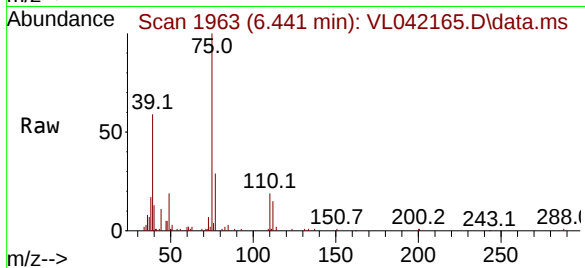
VSTDICC002

Tgt Ion: 75 Resp: 11831

Ion Ratio Lower Upper

75 100

77 28.6 24.0 36.0



#46

cis-1,3-Dichloropropene

Concen: 0.912 ppbv

RT: 5.622 min Scan# 1710

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

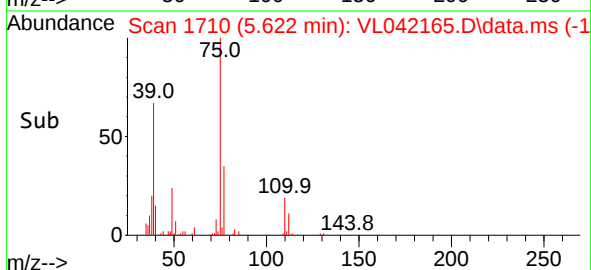
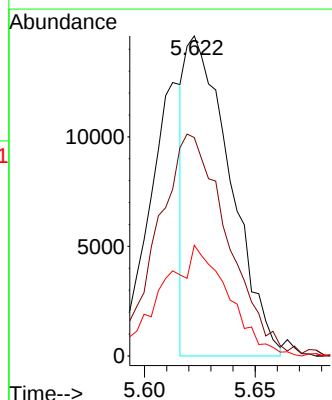
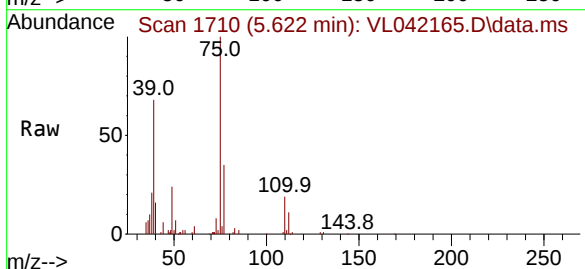
Tgt Ion: 75 Resp: 20626

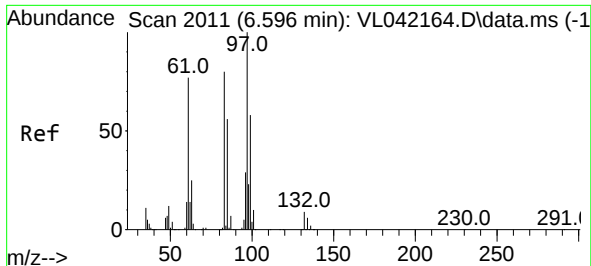
Ion Ratio Lower Upper

75 100

39 66.7 50.4 75.6

77 34.3 25.8 38.8

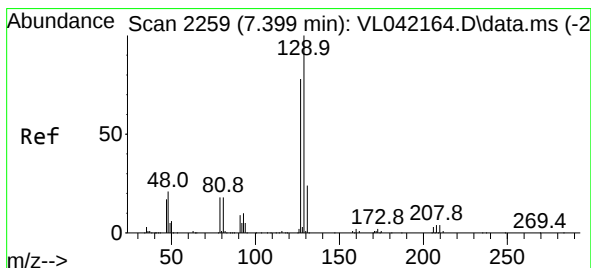
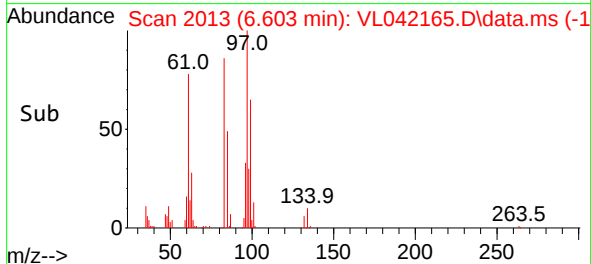
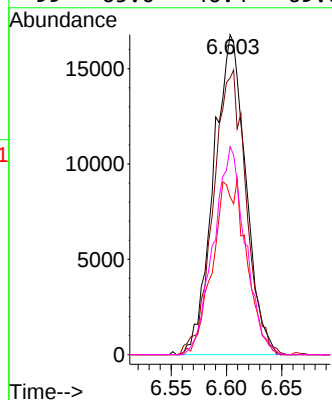
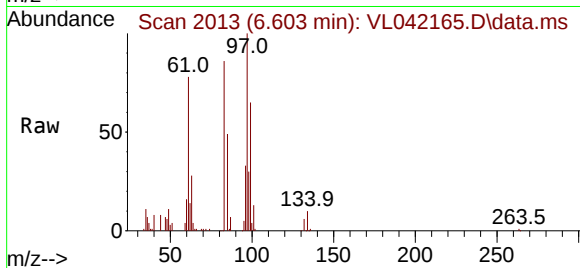




#47
1,1,2-Trichloroethane
Concen: 1.863 ppbv
RT: 6.603 min Scan# 2011
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

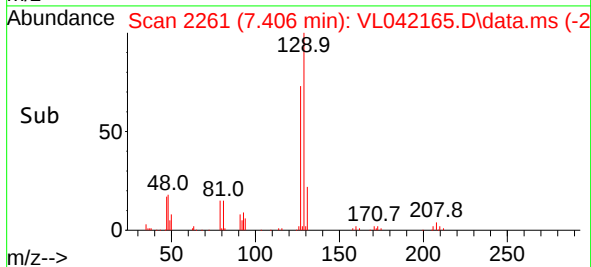
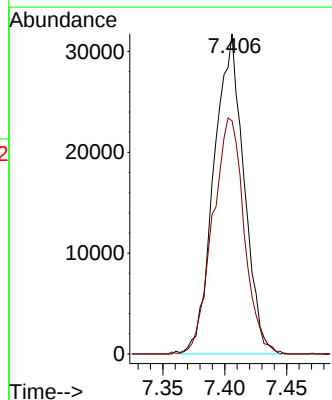
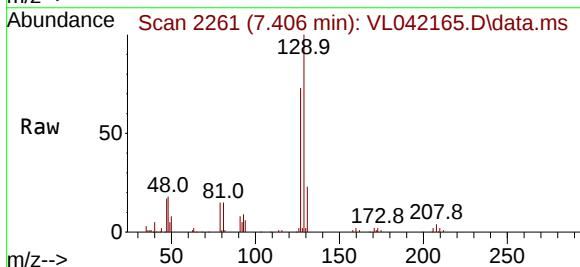
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

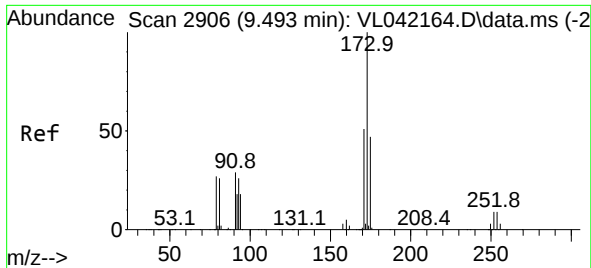
Tgt Ion: 97	Resp: 34020
Ion Ratio	Lower Upper
97 100	
83 86.5	64.2 96.4
85 49.3	44.5 66.7
99 65.0	46.4 69.6



#48
Dibromochloromethane
Concen: 1.891 ppbv
RT: 7.406 min Scan# 2261
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion:129	Resp:	53441	
Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.7	116.1

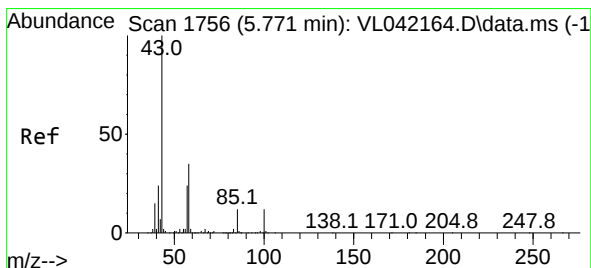
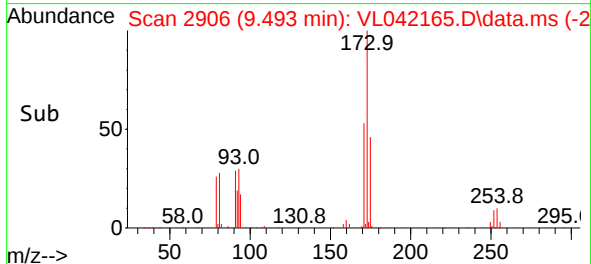
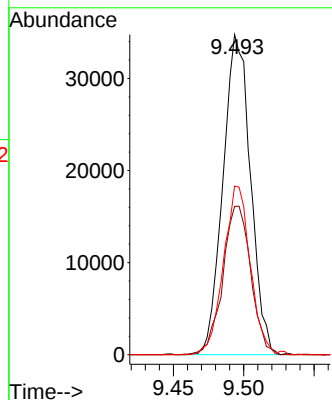
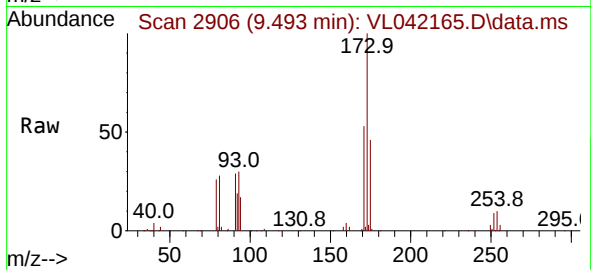




#49
Bromoform
Concen: 1.915 ppbv
RT: 9.493 min Scan# 2906
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

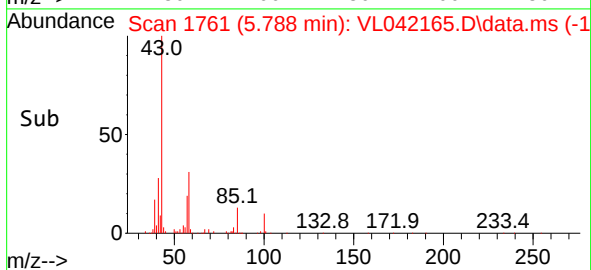
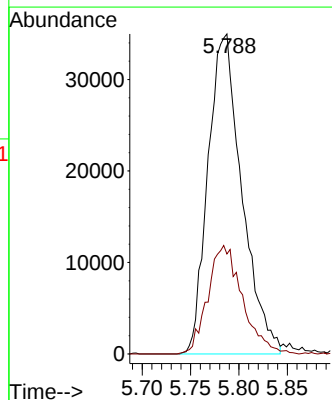
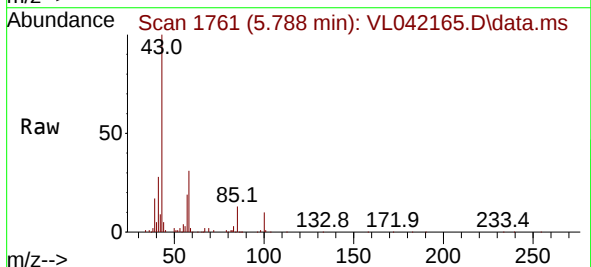
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

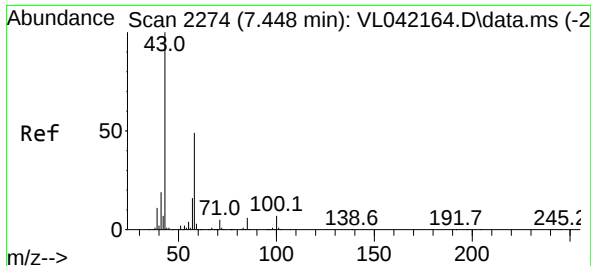
Tgt Ion:173 Resp: 47290
Ion Ratio Lower Upper
173 100
175 47.3 38.5 57.7
171 51.6 41.1 61.7



#50
4-Methyl-2-Pentanone
Concen: 1.892 ppbv
RT: 5.788 min Scan# 1761
Delta R.T. 0.017 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 43 Resp: 85185
Ion Ratio Lower Upper
43 100
58 34.9 27.2 40.8

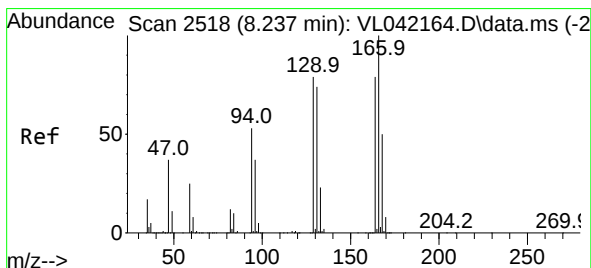
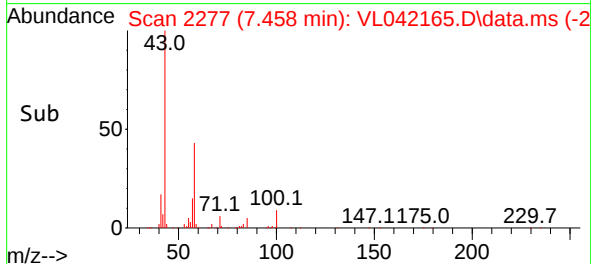
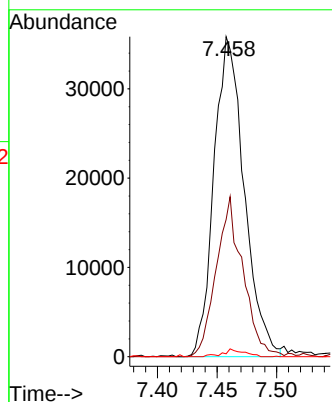
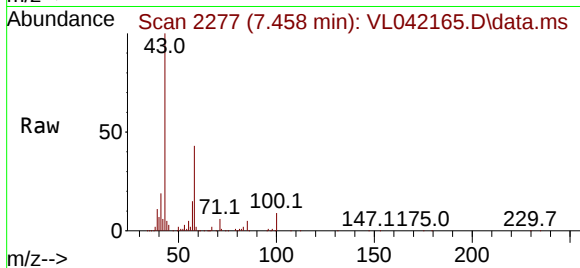




#51
2-Hexanone
Concen: 2.064 ppbv
RT: 7.458 min Scan# 211
Delta R.T. 0.010 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

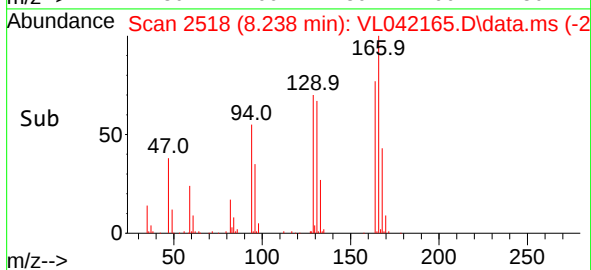
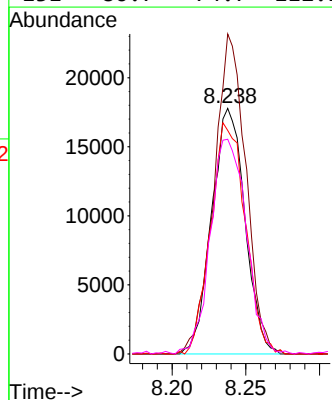
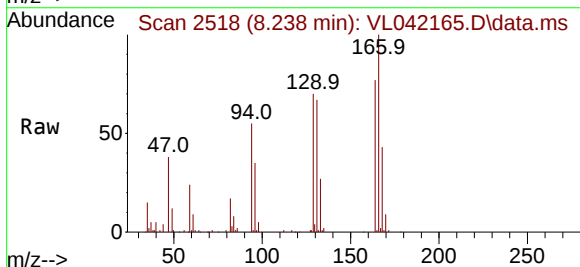
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

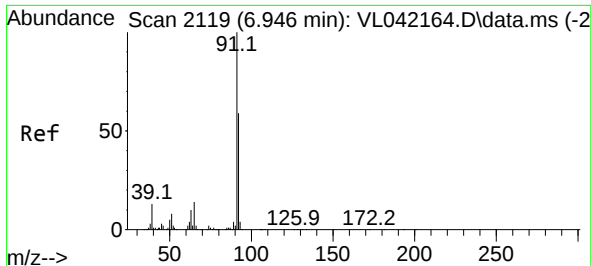
Tgt Ion: 43 Resp: 63146
Ion Ratio Lower Upper
43 100
58 44.3 37.9 56.9
98 1.7 0.9 1.3#



#52
Tetrachloroethene
Concen: 1.752 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 164 Resp: 27899
Ion Ratio Lower Upper
164 100
166 129.5 101.3 151.9
129 94.7 79.6 119.4
131 86.7 74.7 112.1





#53

Toluene

Concen: 1.404 ppbv

RT: 6.953 min Scan# 2119

Delta R.T. 0.007 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

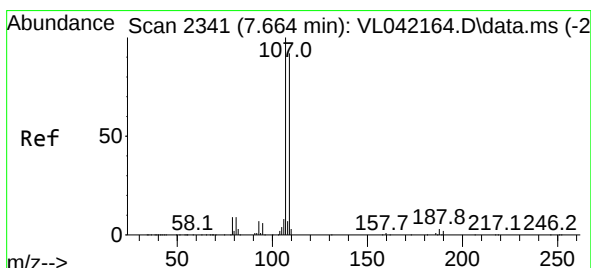
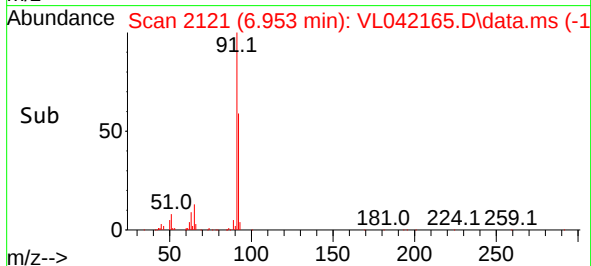
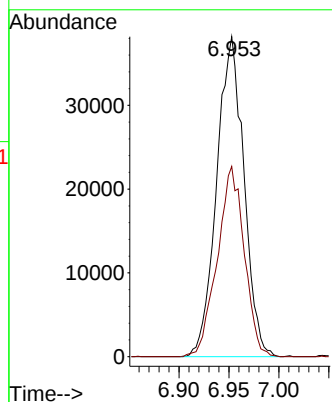
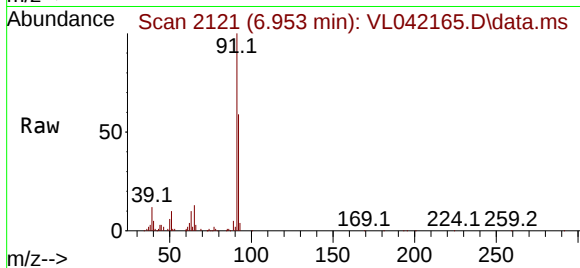
VSTDICC002

Tgt Ion: 91 Resp: 72344

Ion Ratio Lower Upper

91 100

92 58.9 49.0 73.4



#54

1,2-Dibromoethane

Concen: 1.740 ppbv

RT: 7.665 min Scan# 2341

Delta R.T. 0.000 min

Lab File: VL042165.D

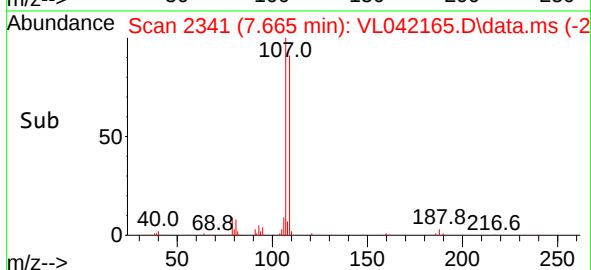
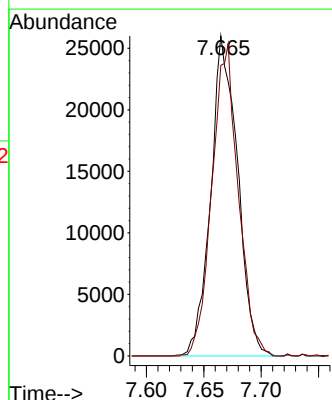
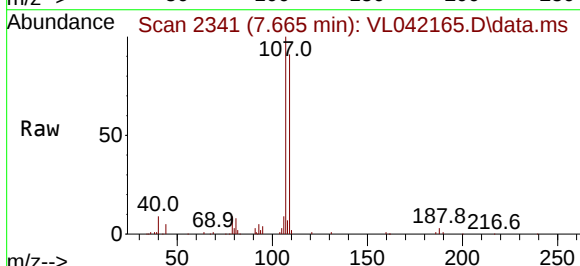
Acq: 25 Mar 2025 09:29

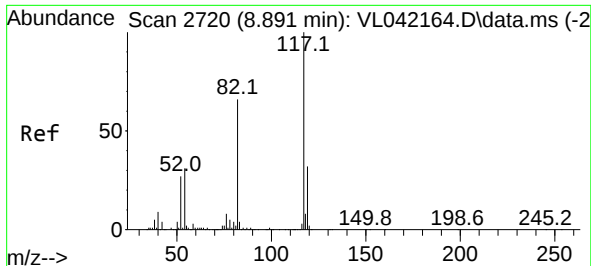
Tgt Ion: 107 Resp: 42255

Ion Ratio Lower Upper

107 100

109 90.8 73.4 110.0

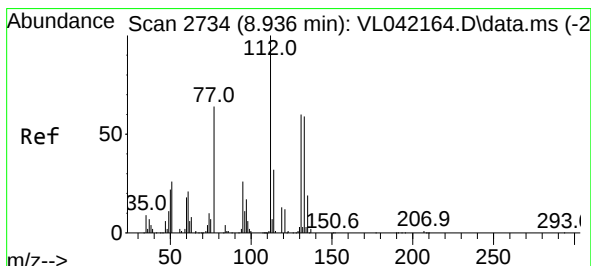
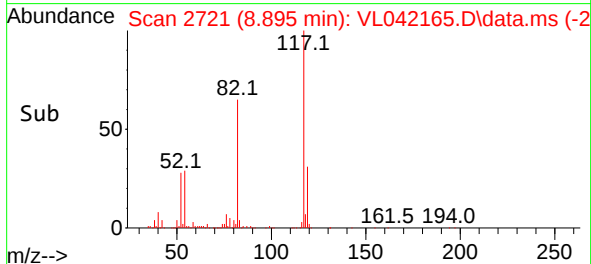
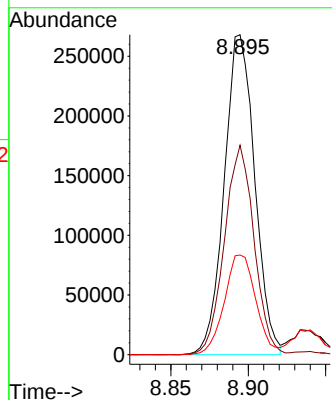
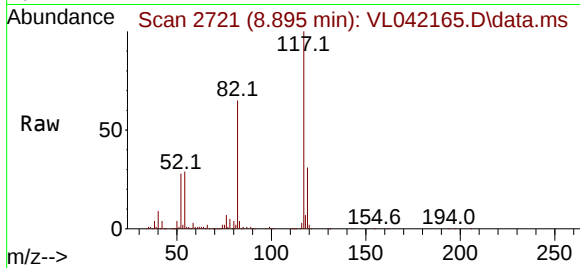




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

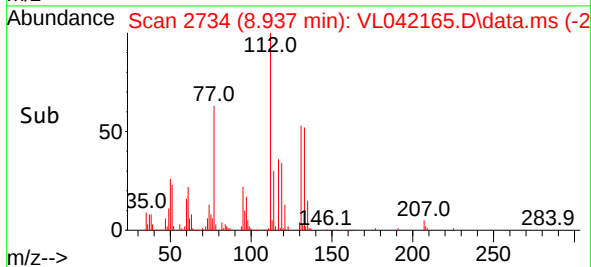
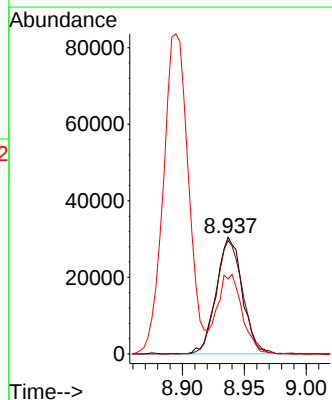
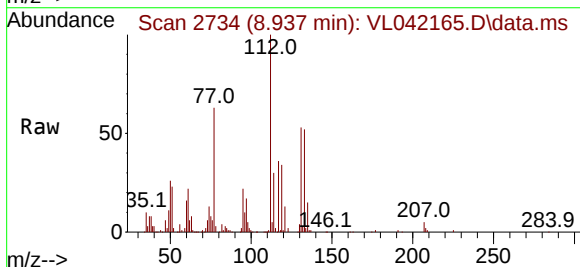
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

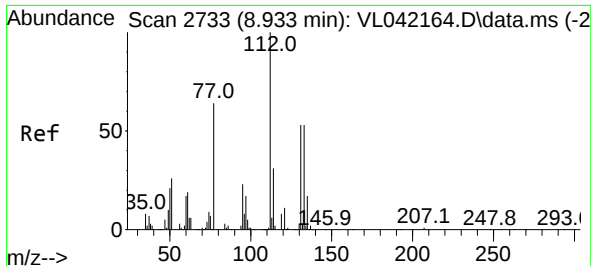
Tgt Ion:117 Resp: 367440
Ion Ratio Lower Upper
117 100
82 64.5 54.2 81.4
119 32.7 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 2.072 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion:131 Resp: 44277
Ion Ratio Lower Upper
131 100
133 99.7 74.7 112.1
119 61.9 52.5 78.7

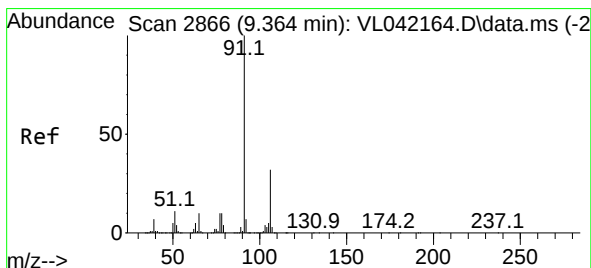
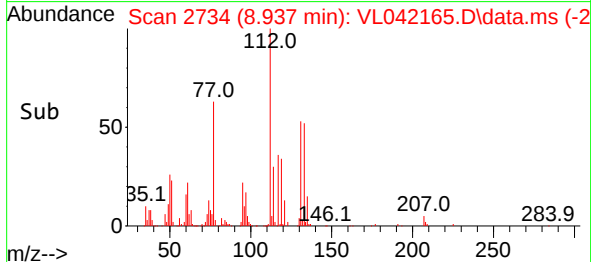
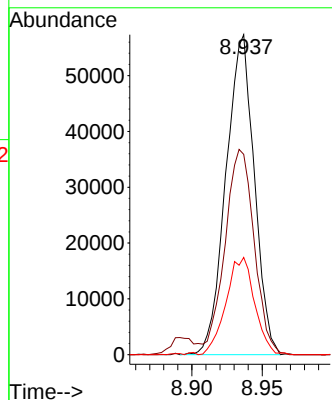
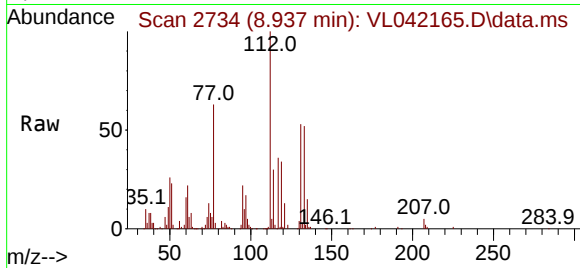




#57
Chlorobenzene
Concen: 2.057 ppbv
RT: 8.937 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

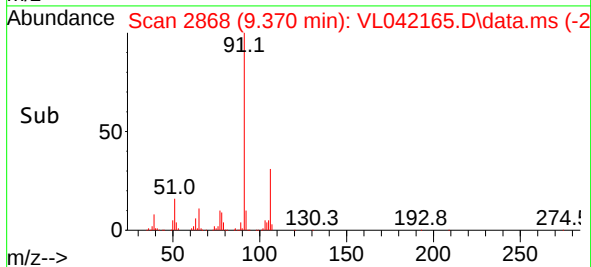
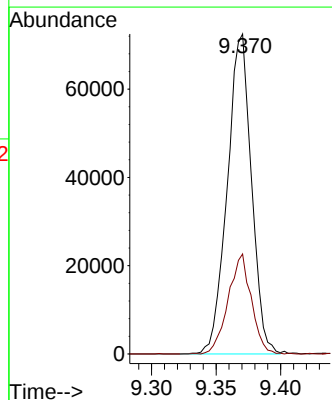
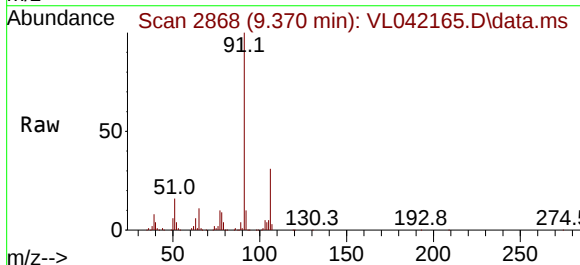
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

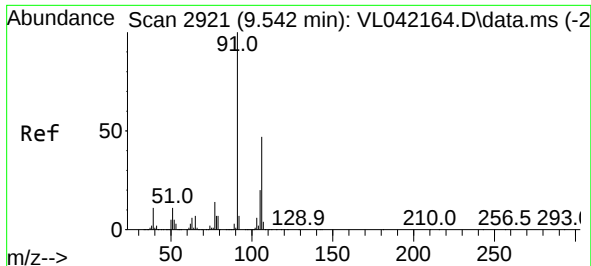
Tgt Ion:112 Resp: 80252
Ion Ratio Lower Upper
112 100
77 61.9 51.7 77.5
114 30.1 28.2 34.4



#58
Ethyl Benzene
Concen: 1.401 ppbv
RT: 9.370 min Scan# 2868
Delta R.T. 0.007 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion: 91 Resp: 94433
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0





#59

m/p-Xylene

Concen: 1.291 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

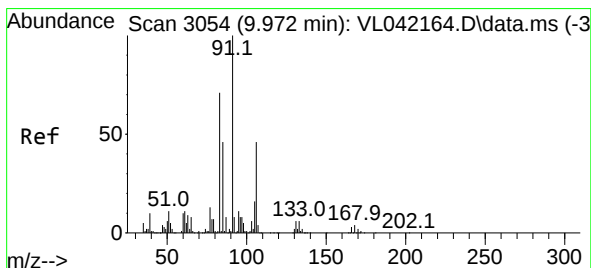
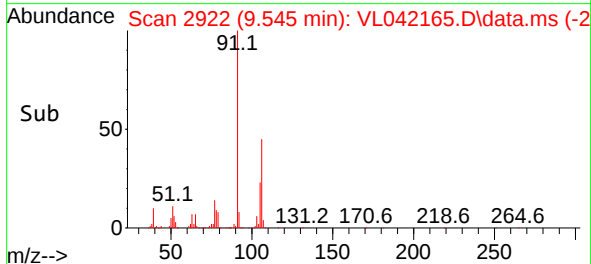
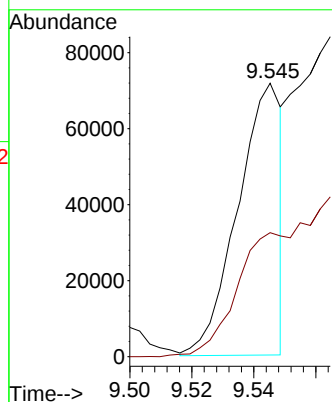
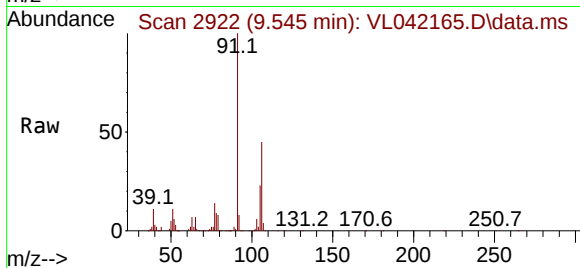
VSTDICC002

Tgt Ion: 91 Resp: 70673

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 1.649 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. 0.004 min

Lab File: VL042165.D

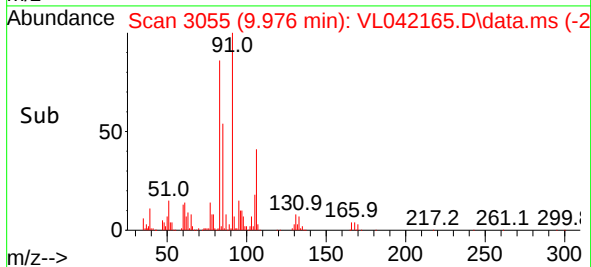
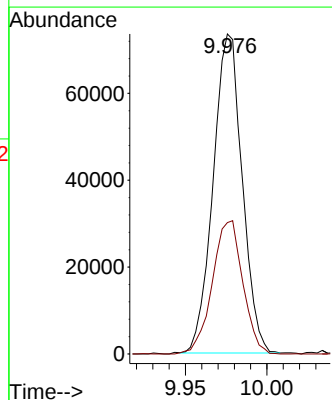
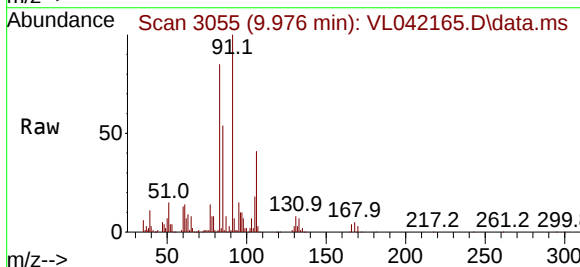
Acq: 25 Mar 2025 09:29

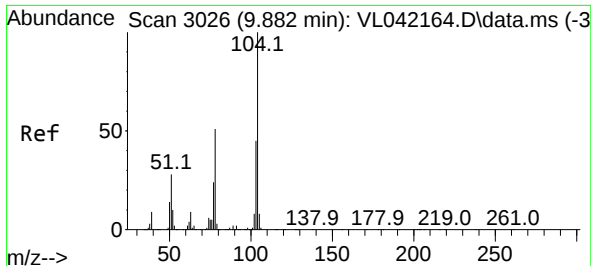
Tgt Ion: 91 Resp: 91067

Ion Ratio Lower Upper

91 100

106 43.7 22.7 68.0





#61

Styrene

Concen: 1.177 ppbv

RT: 9.885 min Scan# 3026

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

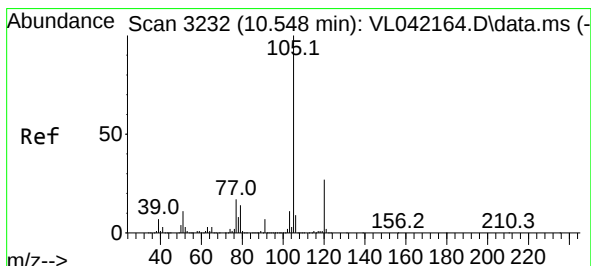
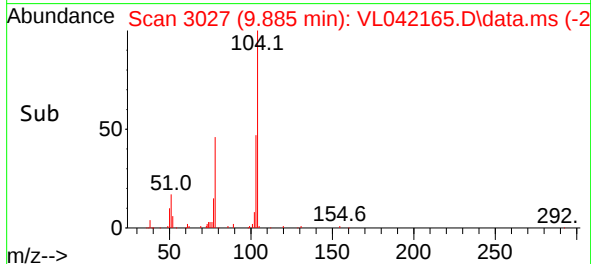
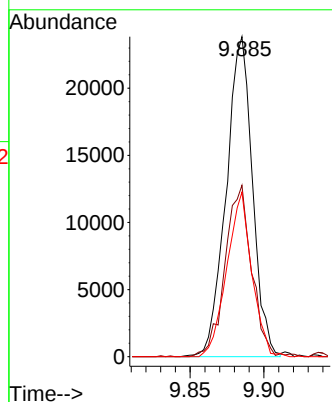
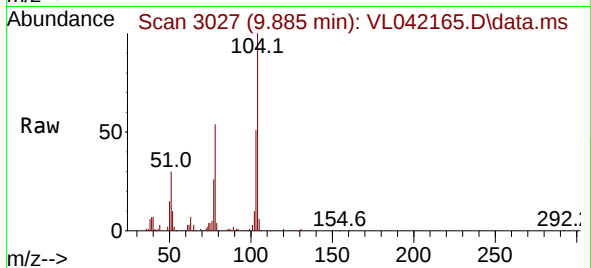
Tgt Ion:104 Resp: 29574

Ion Ratio Lower Upper

104 100

78 54.1 39.7 59.5

103 48.8 37.4 56.2



#62

Isopropylbenzene

Concen: 1.702 ppbv

RT: 10.552 min Scan# 3233

Delta R.T. 0.004 min

Lab File: VL042165.D

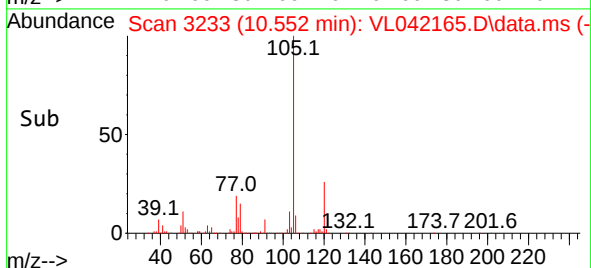
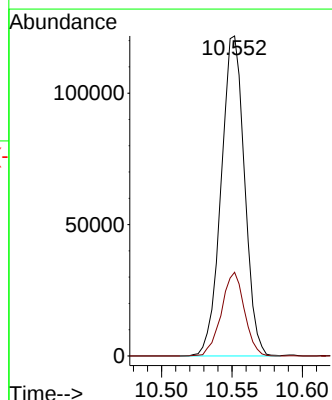
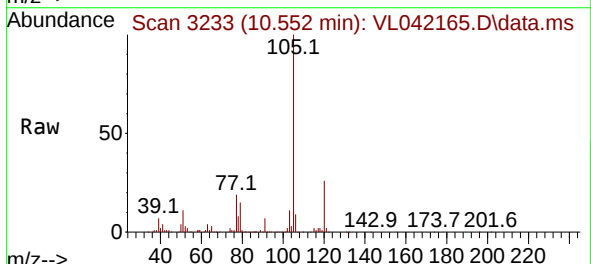
Acq: 25 Mar 2025 09:29

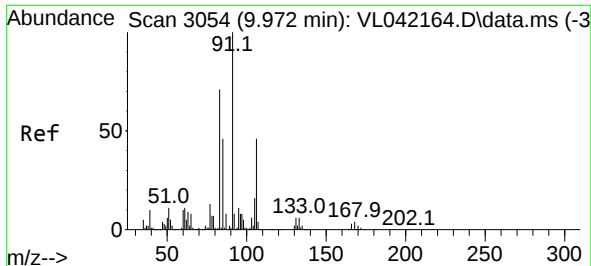
Tgt Ion:105 Resp: 140615

Ion Ratio Lower Upper

105 100

120 25.8 21.4 32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 2.162 ppbv

RT: 9.976 min Scan# 3054

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

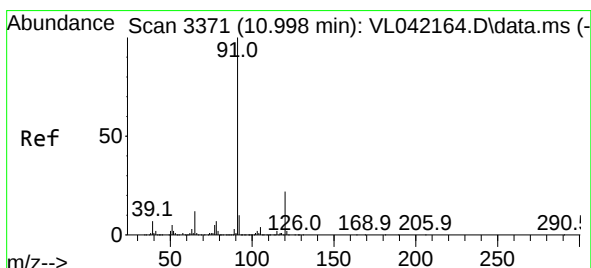
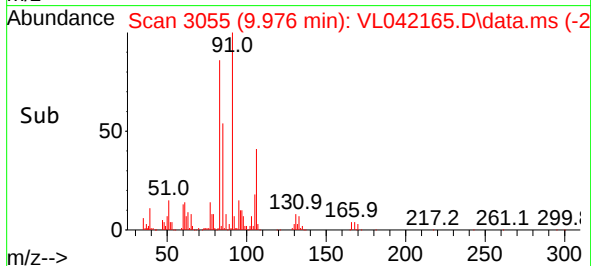
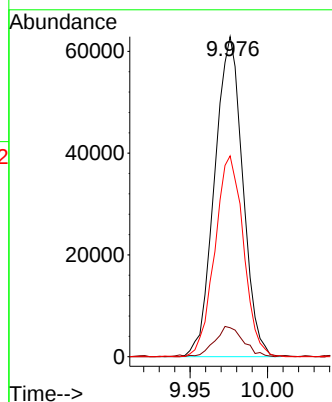
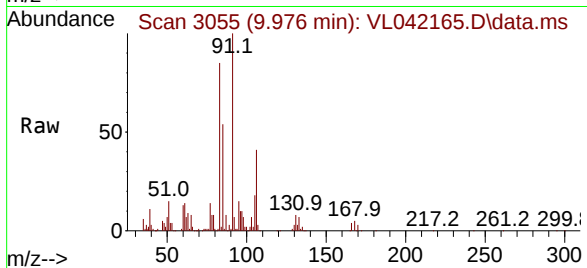
Tgt Ion: 83 Resp: 79461

Ion Ratio Lower Upper

83 100

131 9.8 4.5 13.5

85 63.8 32.3 96.9



#64

n-propylbenzene

Concen: 1.816 ppbv

RT: 10.999 min Scan# 3371

Delta R.T. 0.000 min

Lab File: VL042165.D

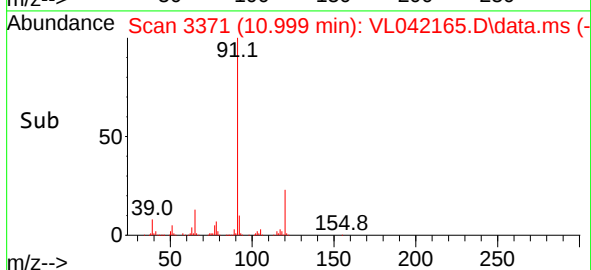
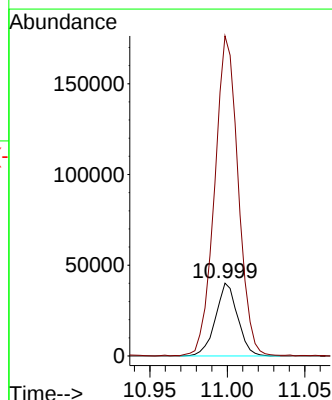
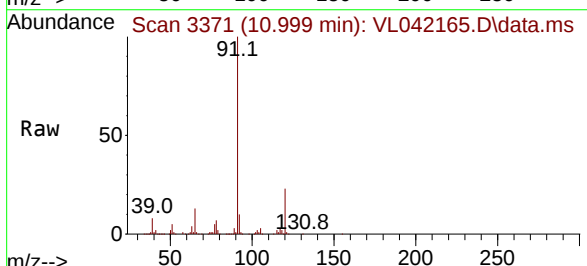
Acq: 25 Mar 2025 09:29

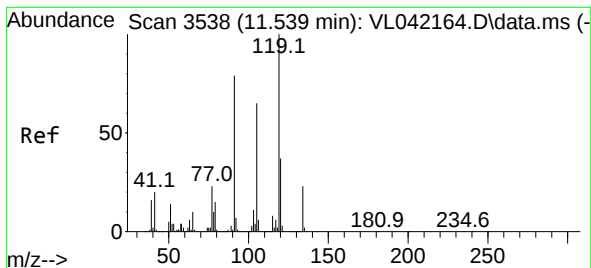
Tgt Ion: 120 Resp: 39741

Ion Ratio Lower Upper

120 100

91 470.8 369.8 554.8





#65

tert-Butylbenzene

Concen: 1.847 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

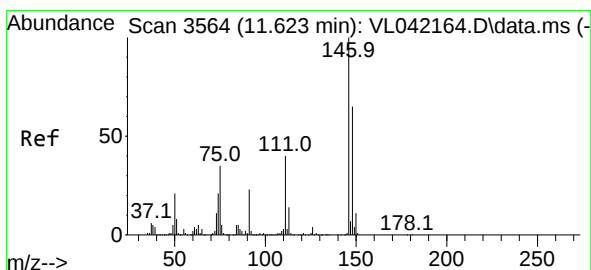
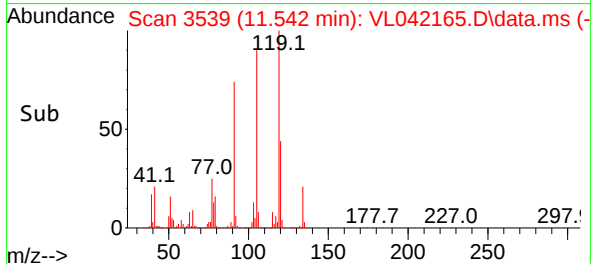
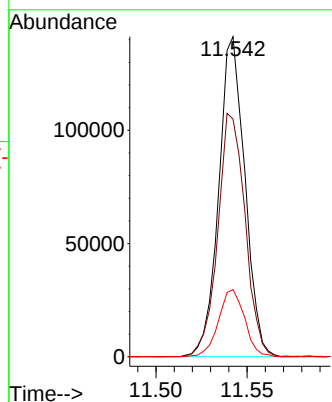
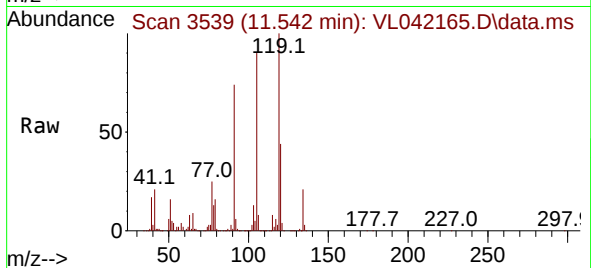
Tgt Ion:119 Resp: 140620

Ion Ratio Lower Upper

119 100

91 79.6 63.5 95.3

134 20.9 17.4 26.2



#66

Benzyl Chloride

Concen: 1.659 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

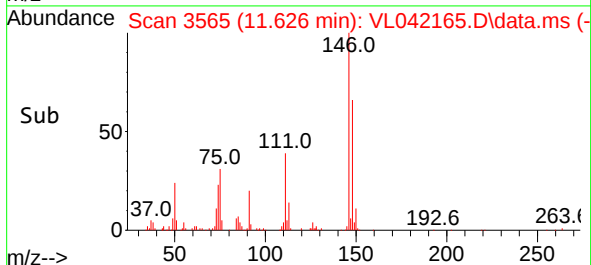
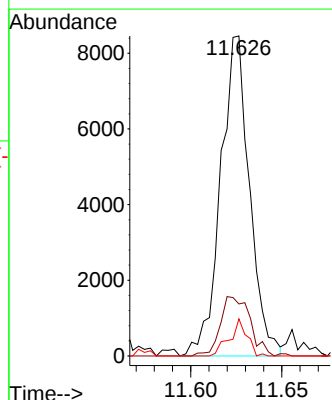
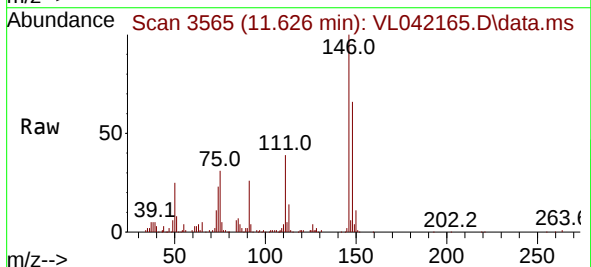
Tgt Ion: 91 Resp: 9352

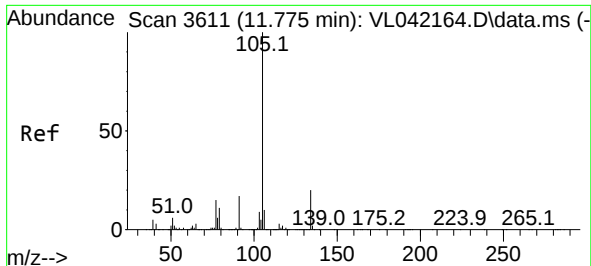
Ion Ratio Lower Upper

91 100

126 19.3 15.0 22.6

128 7.0 4.6 7.0#

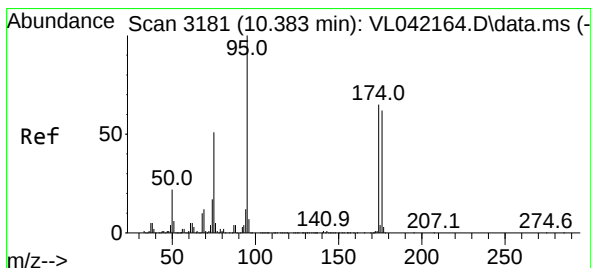
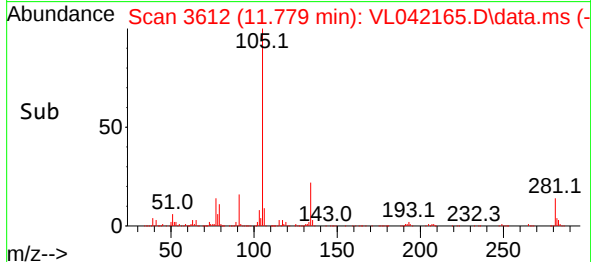
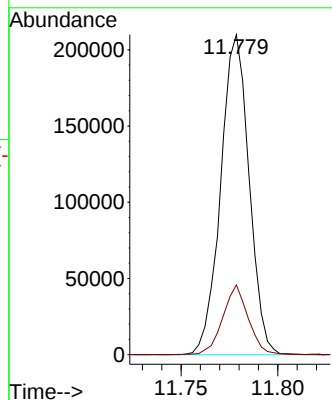
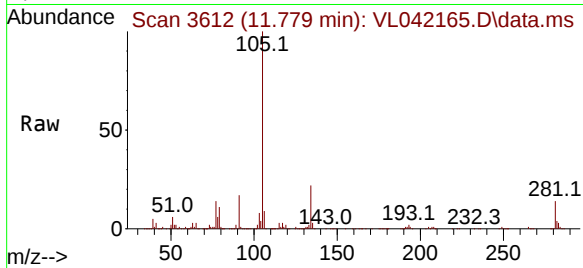




#67
 sec-Butylbenzene
 Concen: 1.962 ppbv
 RT: 11.779 min Scan# 3611
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

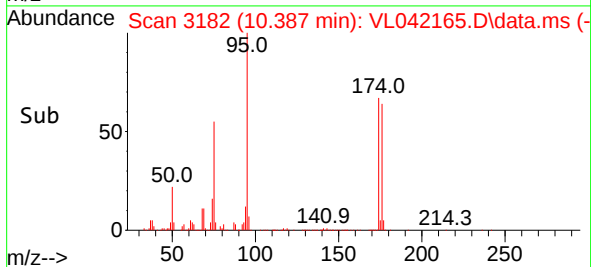
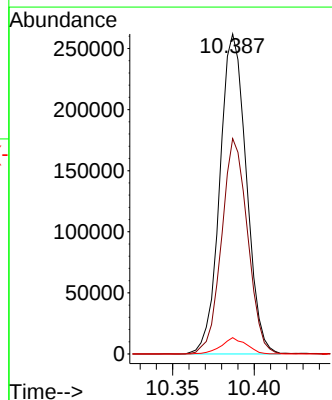
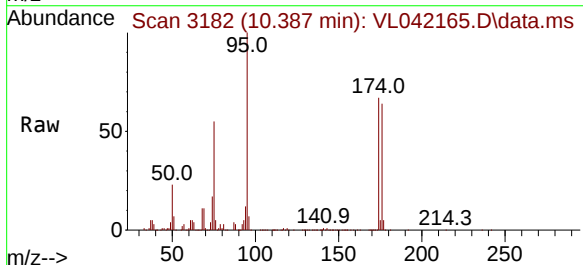
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

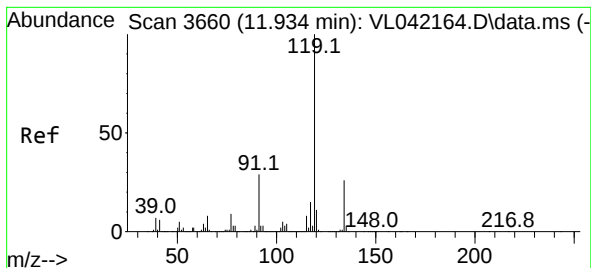
Tgt Ion:105 Resp: 214048
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.4 23.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.282 ppbv
 RT: 10.387 min Scan# 3182
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Tgt Ion: 95 Resp: 295233
 Ion Ratio Lower Upper
 95 100
 174 66.3 53.5 80.3
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 1.953 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

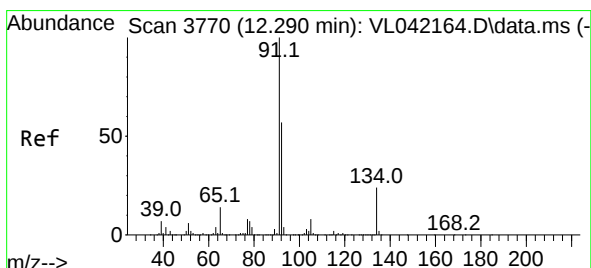
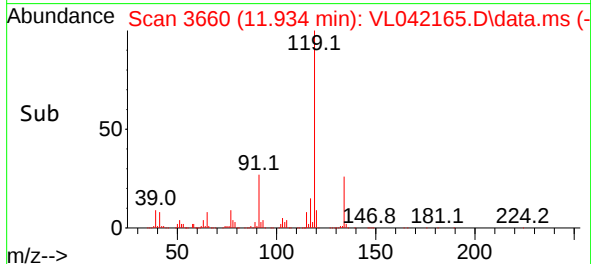
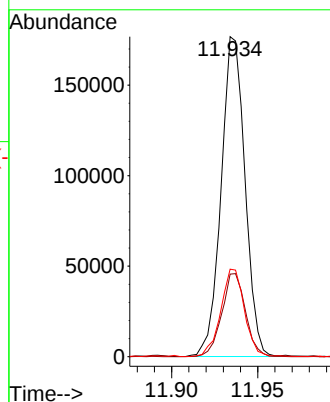
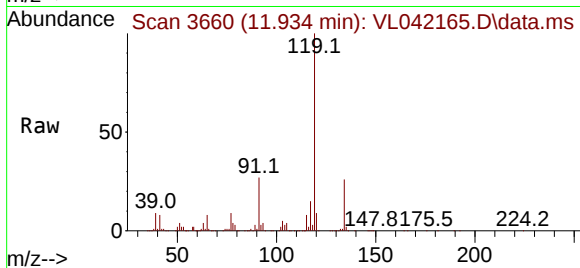
Tgt Ion:119 Resp: 170547

Ion Ratio Lower Upper

119 100

134 25.8 21.3 31.9

91 27.6 22.4 33.6



#70

n-Butylbenzene

Concen: 1.993 ppbv

RT: 12.290 min Scan# 3770

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

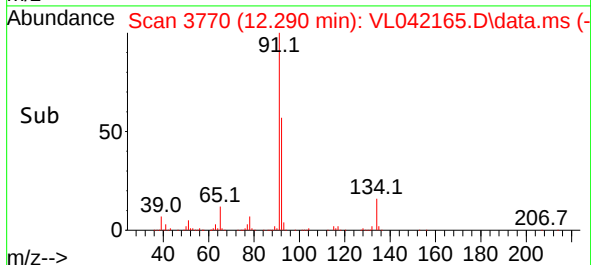
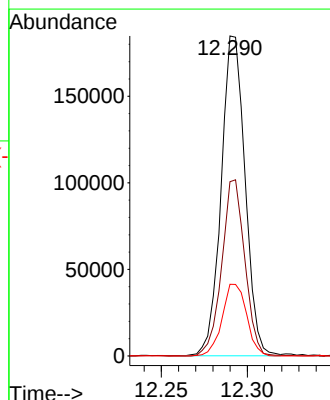
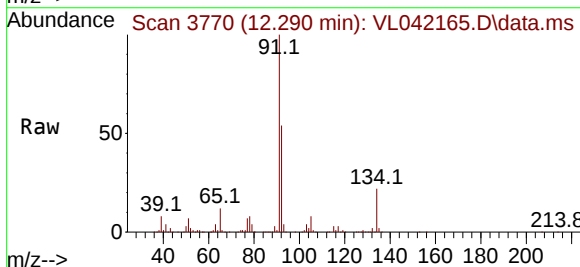
Tgt Ion: 91 Resp: 178947

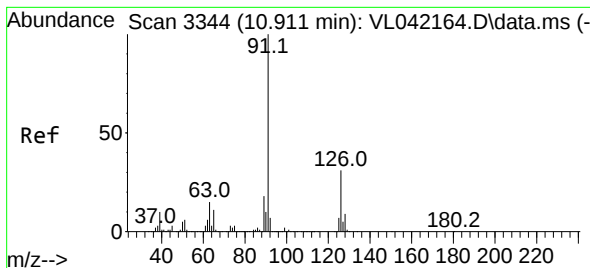
Ion Ratio Lower Upper

91 100

92 53.3 44.5 66.7

134 23.1 19.1 28.7





#71

2-Chlorotoluene

Concen: 1.606 ppbv

RT: 10.914 min Scan# 31

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

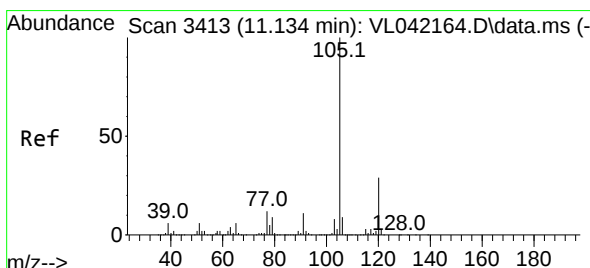
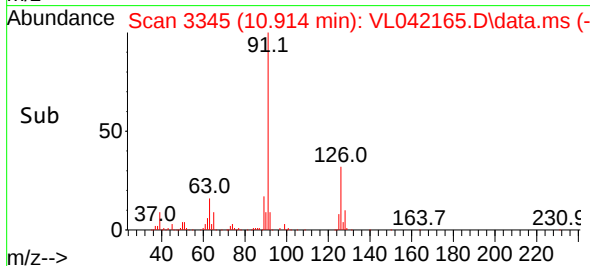
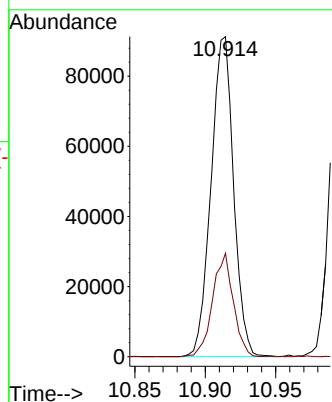
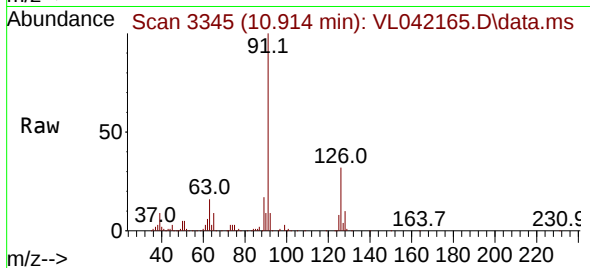
VSTDIC002

Tgt Ion: 91 Resp: 101954

Ion Ratio Lower Upper

91 100

126 29.7 12.3 49.1



#72

4-Ethyltoluene

Concen: 1.717 ppbv

RT: 11.138 min Scan# 3414

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Tgt Ion: 105 Resp: 116728

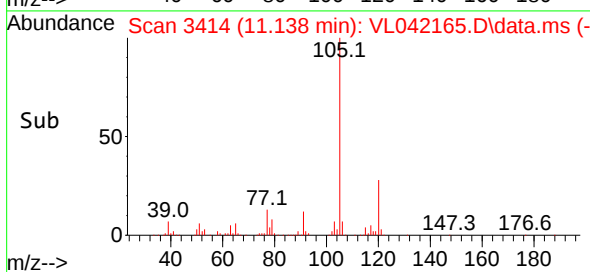
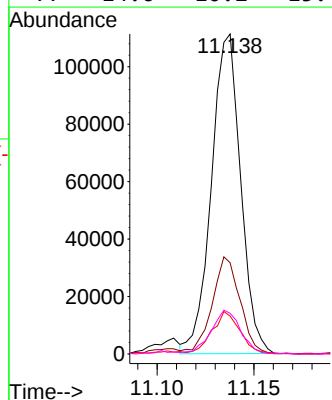
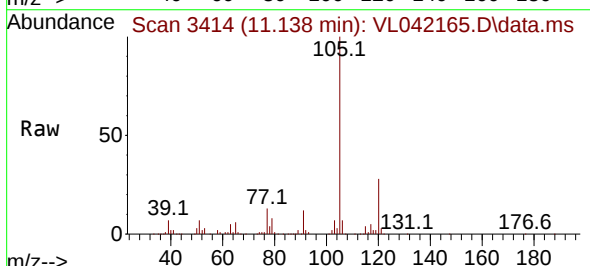
Ion Ratio Lower Upper

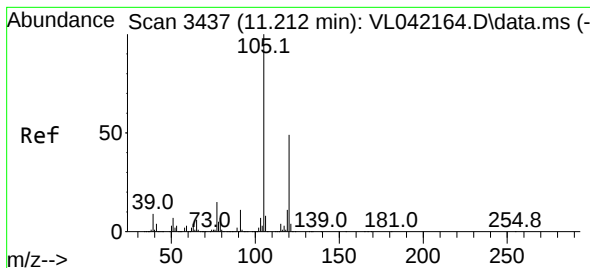
105 100

120 30.8 24.2 36.2

91 13.9 9.8 14.8

77 14.6 10.2 15.4





#73

1,3,5-Trimethylbenzene

Concen: 1.771 ppbv

RT: 11.215 min Scan# 3437

Delta R.T. 0.004 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

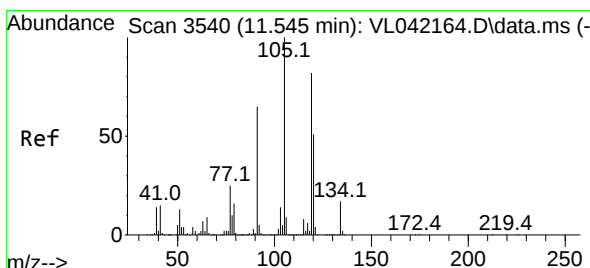
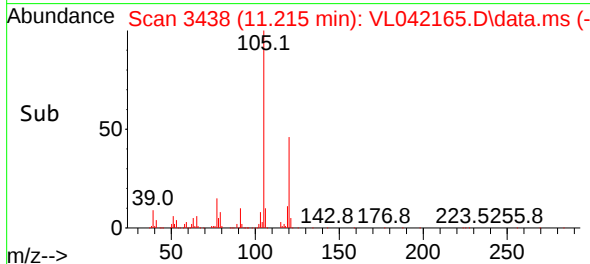
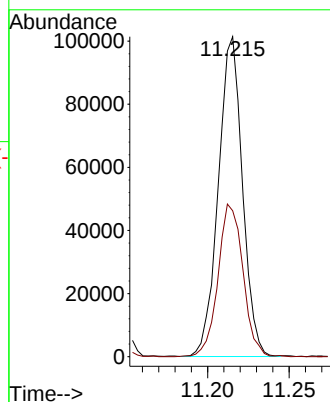
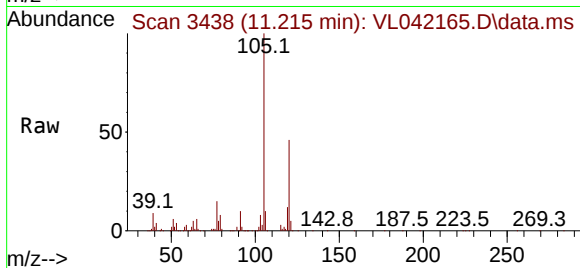
VSTDIC002

Tgt Ion:105 Resp: 104138

Ion Ratio Lower Upper

105 100

120 45.5 39.2 58.8



#74

1,2,4-Trimethylbenzene

Concen: 2.127 ppbv

RT: 11.546 min Scan# 3540

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Tgt Ion:105 Resp: 142921

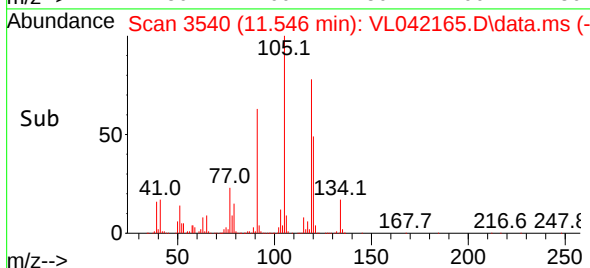
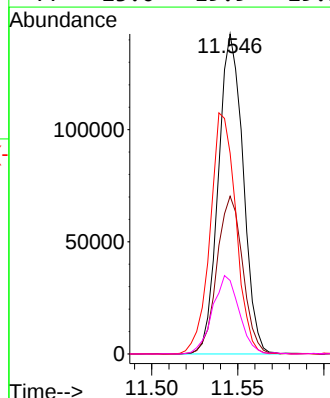
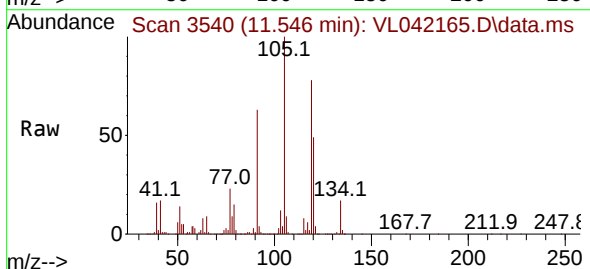
Ion Ratio Lower Upper

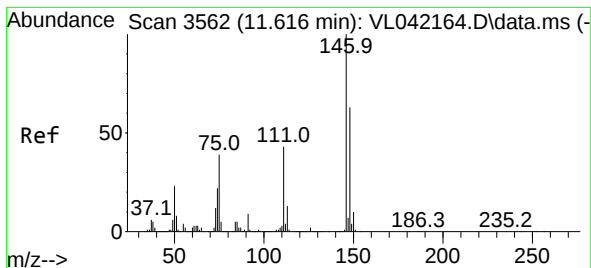
105 100

120 49.3 40.9 61.3

91 62.6 52.6 79.0

77 23.0 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 2.133 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

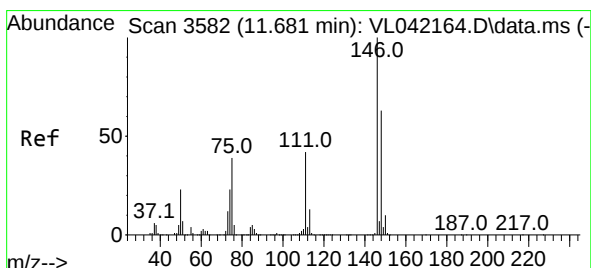
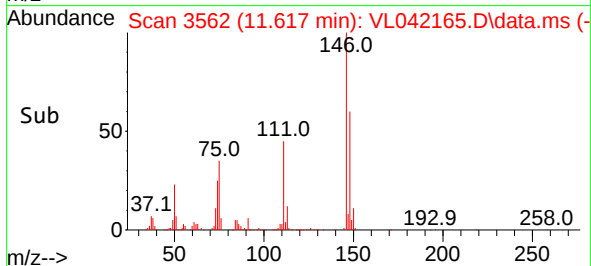
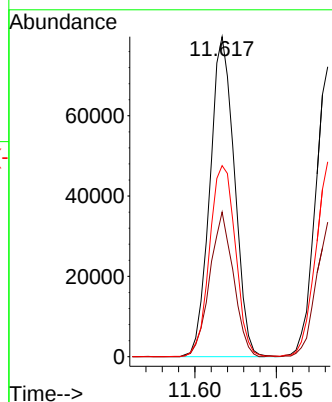
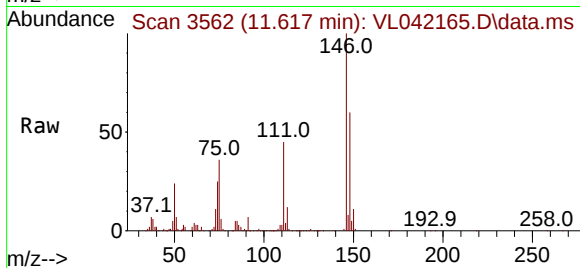
Tgt Ion:146 Resp: 83243

Ion Ratio Lower Upper

146 100

111 43.9 21.9 65.8

148 63.0 31.7 95.1



#76

1,4-Dichlorobenzene

Concen: 1.984 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. 0.000 min

Lab File: VL042165.D

Acq: 25 Mar 2025 09:29

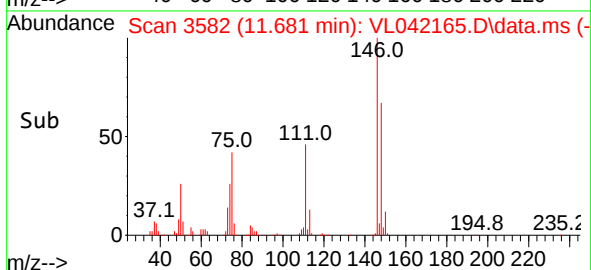
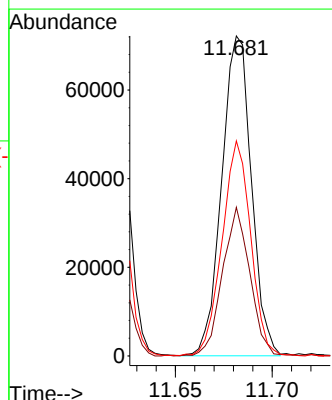
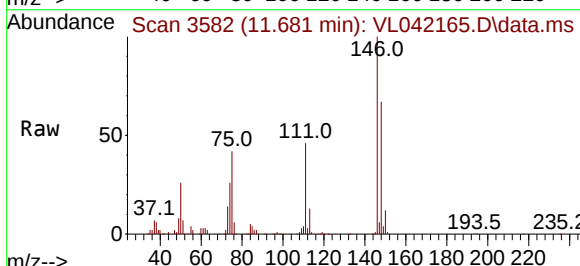
Tgt Ion:146 Resp: 76908

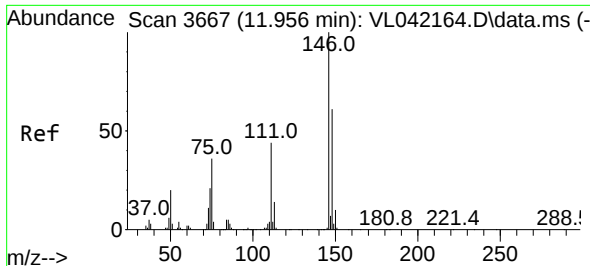
Ion Ratio Lower Upper

146 100

111 43.3 21.3 64.0

148 65.2 31.8 95.3

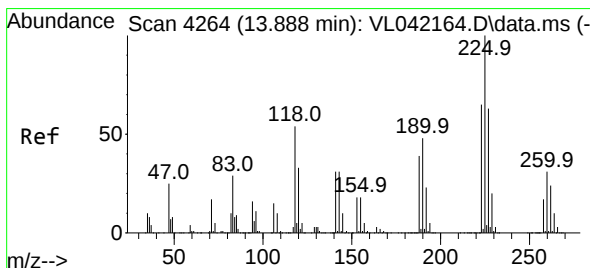
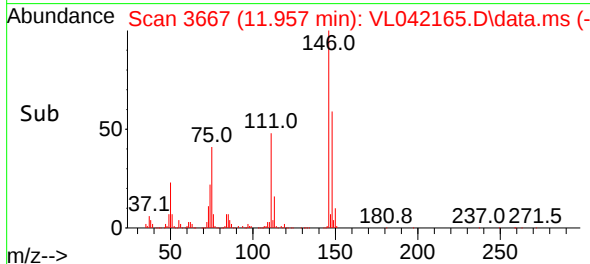
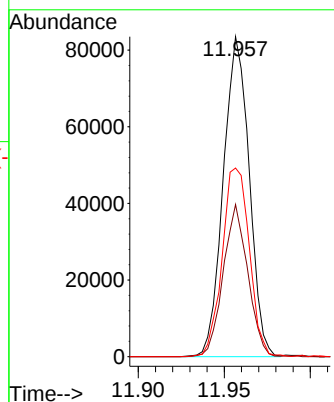
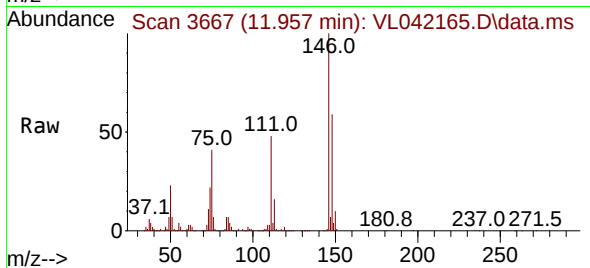




#77
 1,2-Dichlorobenzene
 Concen: 2.285 ppbv
 RT: 11.957 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

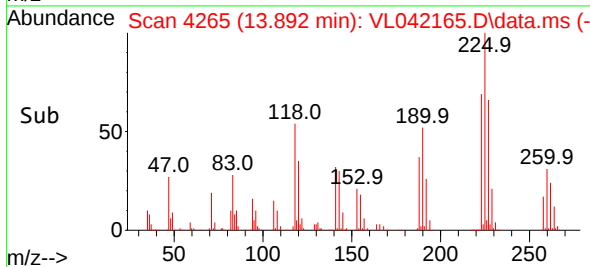
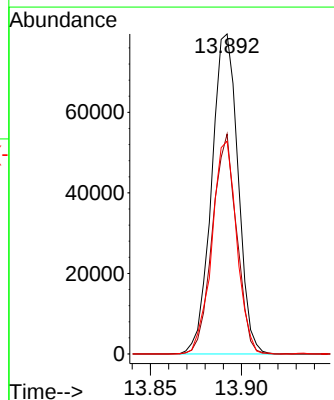
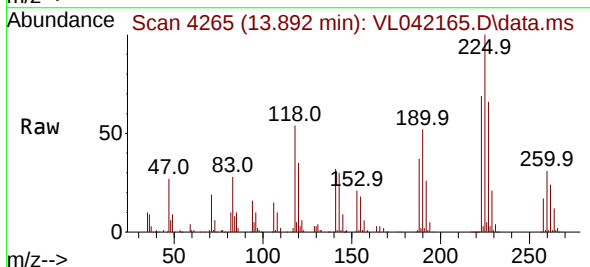
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

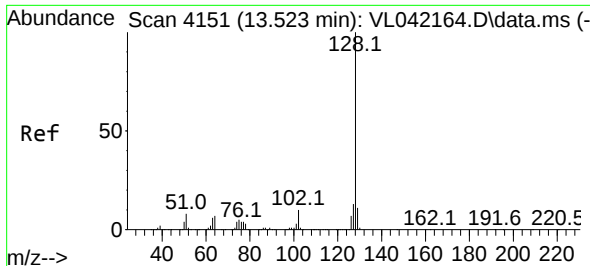
Tgt Ion:146 Resp: 87423
 Ion Ratio Lower Upper
 146 100
 111 45.2 23.1 69.3
 148 62.1 31.6 94.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.647 ppbv
 RT: 13.892 min Scan# 4265
 Delta R.T. 0.004 min
 Lab File: VL042165.D
 Acq: 25 Mar 2025 09:29

Tgt Ion:225 Resp: 79992
 Ion Ratio Lower Upper
 225 100
 223 63.0 51.1 76.7
 227 62.5 50.6 76.0

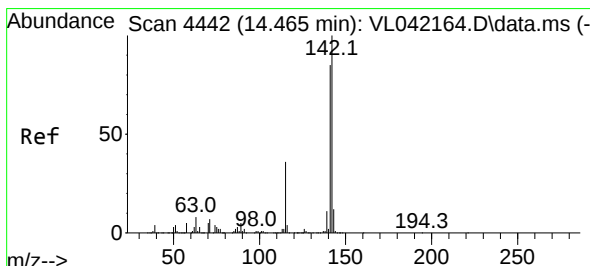
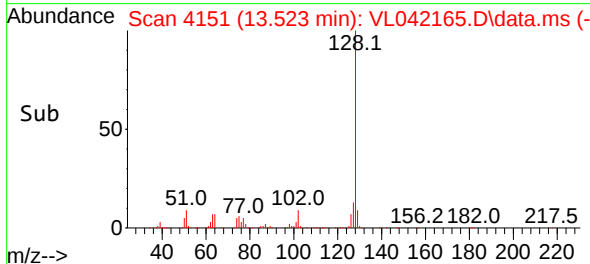
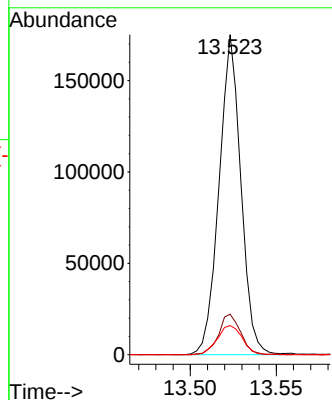
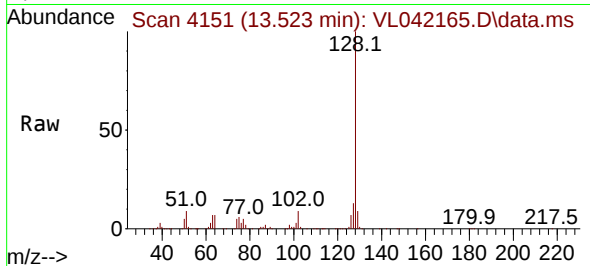




#79
Naphthalene
Concen: 3.187 ppbv
RT: 13.523 min Scan# 4151
Delta R.T. 0.000 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

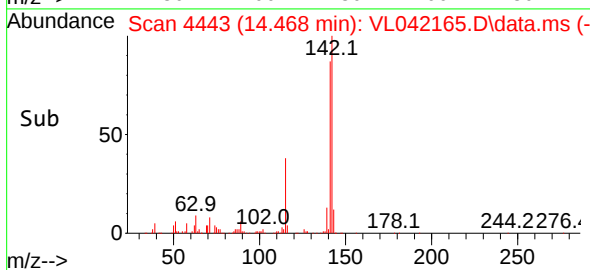
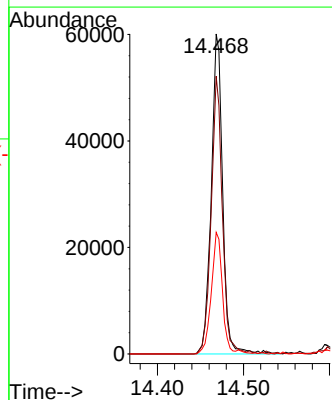
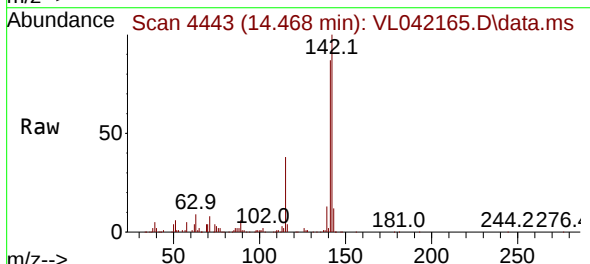
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

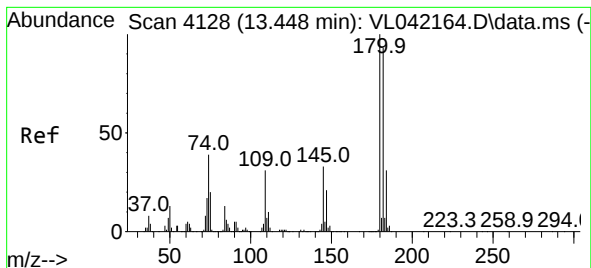
Tgt Ion:128 Resp: 154335
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 9.1 8.7 13.1



#80
Naphthalene,2-methyl-
Concen: 3.831 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.004 min
Lab File: VL042165.D
Acq: 25 Mar 2025 09:29

Tgt Ion:142 Resp: 55441
Ion Ratio Lower Upper
142 100
141 85.6 66.7 100.1
115 37.9 29.0 43.4





#81

1,2,4-Trichlorobenzene

Concen: 2.530 ppbv

RT: 13.449 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042165.D

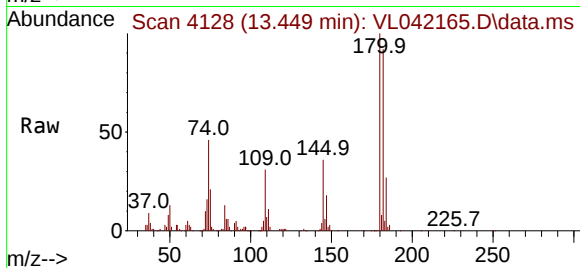
Acq: 25 Mar 2025 09:29

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 67503

Ion Ratio Lower Upper

180 100

182 96.3 76.3 114.5

184 31.1 24.4 36.6

