

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042526.D
 Acq On : 12 May 2025 09:33
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: May 12 23:46:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon May 12 23:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.778	49	112966	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	322544	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	280550	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	241358	9.887	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.040	85	15725	0.857	ppbv	96
3) Chlorodifluoromethane	1.655	51	306	0.016	ppbv	95
4) Chloromethane	1.528	50	75	0.010	ppbv #	42
5) Vinyl Chloride	1.625	62	48	0.006	ppbv #	42
6) Bromomethane	1.661	94	94	0.026	ppbv #	41
7) Chloroethane	1.703	64	277	0.092	ppbv #	1
8) Dichlorotetrafluoroethane	1.159	85	103	0.007	ppbv #	1
9) Propene	1.496	41	158	0.039	ppbv #	85
10) Heptane	4.966	43	30573	1.975	ppbv	100
11) Trichlorofluoromethane	1.868	101	22463	1.273	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.134	101	28064	1.980	ppbv	95
13) Ethanol	1.716	45	2046	1.846	ppbv #	51
14) Bromoethene	1.774	108	91	0.018	ppbv #	75
15) Acetone	1.833	43	36764	2.037	ppbv	97
16) 1,3-Butadiene	1.583	39	267	0.033	ppbv #	44
17) tert-Butyl alcohol	2.036	59	31202	1.871	ppbv	96
18) 1,1-Dichloroethene	2.027	96	12780	2.058	ppbv	94
19) Isopropyl Alcohol	1.881	45	18697	1.907	ppbv #	98
20) Methylene Chloride	2.056	84	11090	1.764	ppbv	96
21) Allyl Chloride	2.091	41	23586	1.974	ppbv #	78
22) trans-1,2-Dichloroethene	2.331	96	14116	1.943	ppbv	86
23) Vinyl Acetate	2.457	43	31189	1.650	ppbv #	95
24) 1,1-Dichloroethane	2.402	63	27904	1.985	ppbv	98
25) Ethyl Acetate	2.829	43	62897	1.984	ppbv #	97
26) Hexane	2.817	57	26559	2.041	ppbv	96
27) Carbon Disulfide	2.140	76	4850	0.289	ppbv #	1
28) Methyl tert-Butyl Ether	2.435	73	14506	2.007	ppbv	96
29) Chloroform	2.842	83	53440	1.980	ppbv	94
30) Cyclohexane	3.849	84	21741	2.035	ppbv	95
31) cis-1,2-Dichloroethene	2.713	61	27706	1.886	ppbv	96
32) 1,1,1-Trichloroethane	3.357	97	52233	1.919	ppbv	97
34) 2-Butanone	2.554	43	43134	2.029	ppbv	96
35) Carbon Tetrachloride	3.752	117	55274	1.906	ppbv	94
36) Benzene	3.645	78	58586	2.050	ppbv	96
37) 1,2-Dichloroethane	3.211	62	39319	1.928	ppbv	99
38) Trichloroethene	4.538	130	23828	1.951	ppbv	92
39) 1,2-Dichloropropane	4.302	63	20752	1.950	ppbv #	76
40) 1,4-Dioxane	4.580	88	3355	0.791	ppbv #	22
41) Tetrahydrofuran	3.053	42	18370	2.003	ppbv	98
42) Bromodichloromethane	4.480	83	55363	2.038	ppbv	90
43) Methyl Methacrylate	4.878	69	18530	1.941	ppbv	95
44) 2,2,4-Trimethylpentane	4.626	57	90191	2.009	ppbv	97
45) t-1,3-Dichloropropene	6.399	75	11927	0.979	ppbv	95

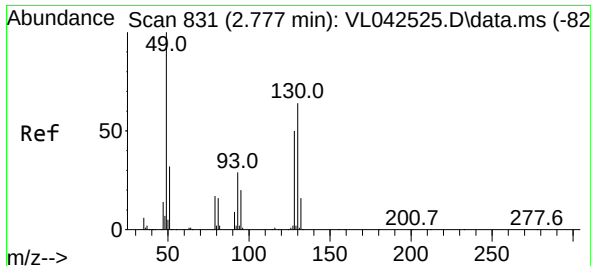
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051225\
 Data File : VL042526.D
 Acq On : 12 May 2025 09:33
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: May 12 23:46:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon May 12 23:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	13720	0.933	ppbv	98
47) 1,1,2-Trichloroethane	6.568	97	24759	1.976	ppbv #	88
48) Dibromochloromethane	7.377	129	41867	2.000	ppbv	100
49) Bromoform	9.478	173	33801	1.968	ppbv	98
50) 4-Methyl-2-Pentanone	5.749	43	48553	1.947	ppbv	99
51) 2-Hexanone	7.432	43	36951	1.994	ppbv #	97
52) Tetrachloroethene	8.212	164	20417	1.854	ppbv	95
53) Toluene	6.924	91	53508	1.908	ppbv	96
54) 1,2-Dibromoethane	7.642	107	35440	1.936	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.914	131	33789	1.943	ppbv	98
57) Chlorobenzene	8.911	112	54542	1.936	ppbv #	92
58) Ethyl Benzene	9.348	91	73830	1.931	ppbv	96
59) m/p-Xylene	9.542	91	73677	2.166	ppbv #	100
60) o-Xylene	9.957	91	69105	2.085	ppbv	98
61) Styrene	9.863	104	21989	1.801	ppbv	96
62) Isopropylbenzene	10.533	105	100391	2.010	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.957	83	51679	1.944	ppbv	97
64) n-propylbenzene	10.983	120	25847	2.042	ppbv	86
65) tert-Butylbenzene	11.526	119	99543	2.170	ppbv	96
66) Benzyl Chloride	11.607	91	11099	1.829	ppbv	96
67) sec-Butylbenzene	11.763	105	141237	2.148	ppbv	99
69) p-Isopropyltoluene	11.921	119	117152	2.167	ppbv	100
70) n-Butylbenzene	12.277	91	118263	2.214	ppbv	97
71) 2-Chlorotoluene	10.895	91	75933	2.008	ppbv	98
72) 4-Ethyltoluene	11.118	105	84650	2.057	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	77135	2.152	ppbv	98
74) 1,2,4-Trimethylbenzene	11.533	105	100144	2.271	ppbv #	89
75) 1,3-Dichlorobenzene	11.601	146	55802	2.021	ppbv	96
76) 1,4-Dichlorobenzene	11.665	146	54323	2.068	ppbv	98
77) 1,2-Dichlorobenzene	11.941	146	55926	1.961	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	52757	2.157	ppbv	98
79) Naphthalene	13.510	128	77440	2.544	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	35955	2.030	ppbv	95
81) 1,2,4-Trichlorobenzene	13.436	180	42643	2.294	ppbv	97

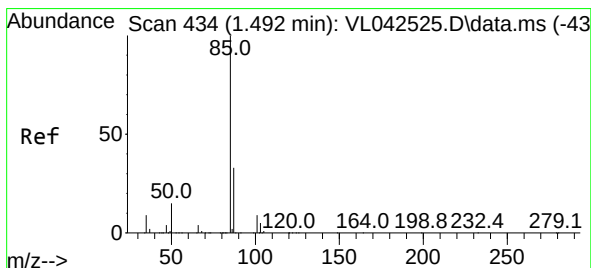
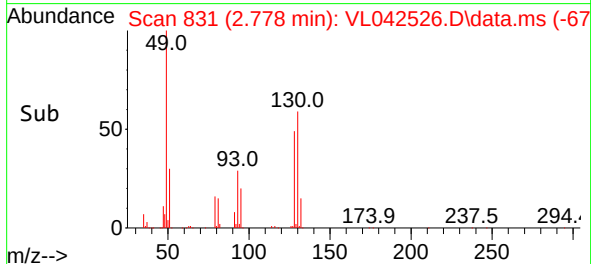
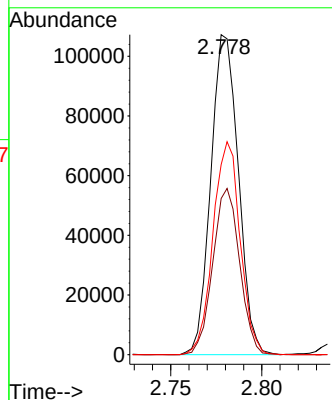
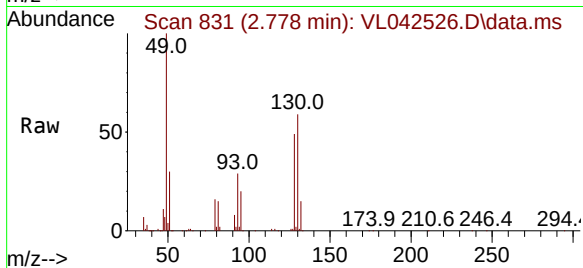
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.778 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

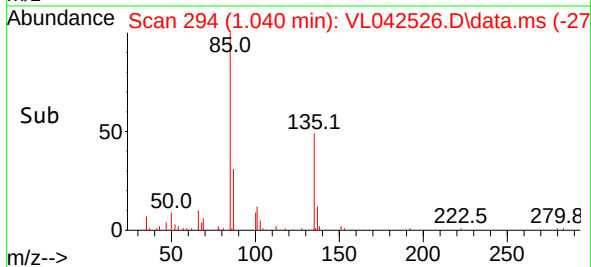
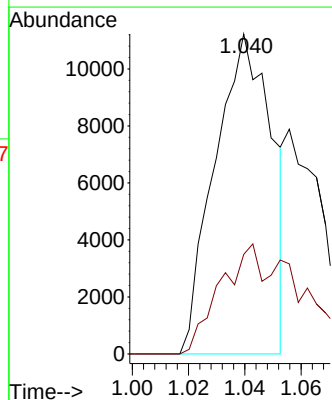
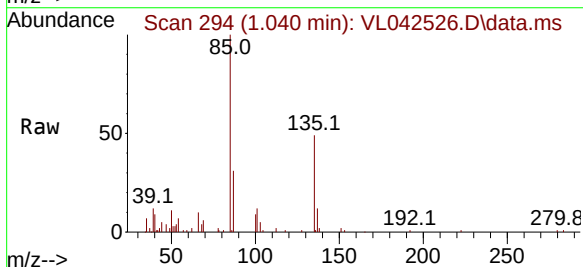
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

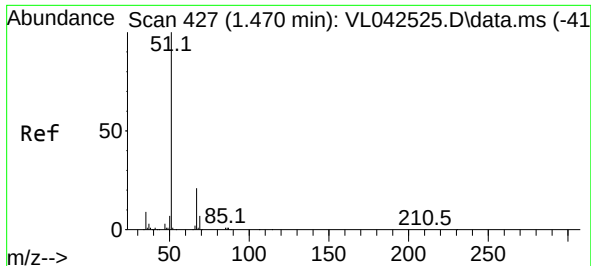
Tgt Ion: 49 Resp: 112966
Ion Ratio Lower Upper
49 100
128 50.7 24.9 74.6
130 65.6 32.5 97.5



#2
Dichlorodifluoromethane
Concen: 0.857 ppbv
RT: 1.040 min Scan# 294
Delta R.T. -0.453 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 85 Resp: 15725
Ion Ratio Lower Upper
85 100
87 31.1 26.8 40.2

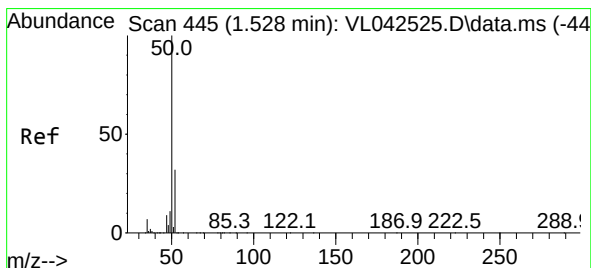
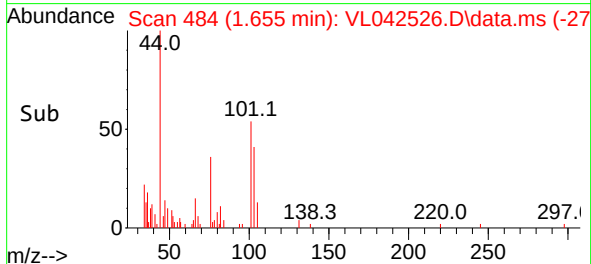
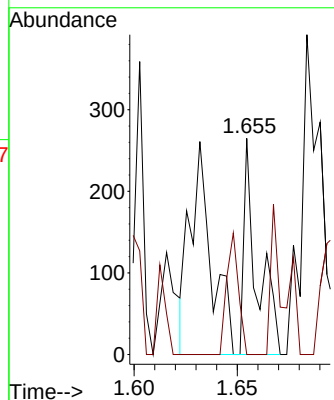
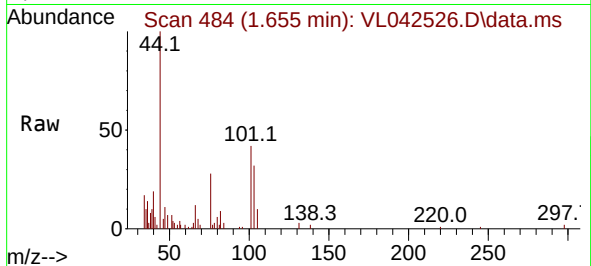




#3
Chlorodifluoromethane
Concen: 0.016 ppbv
RT: 1.655 min Scan# 441
Delta R.T. 0.185 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

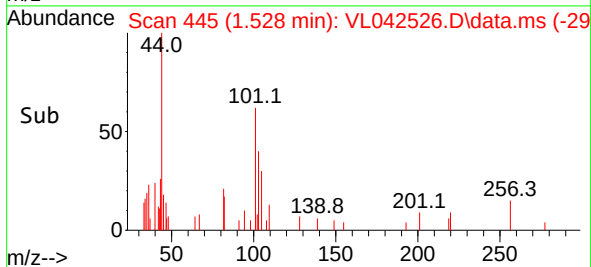
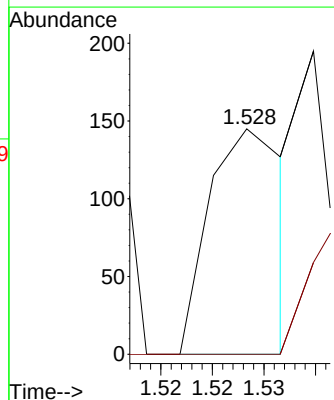
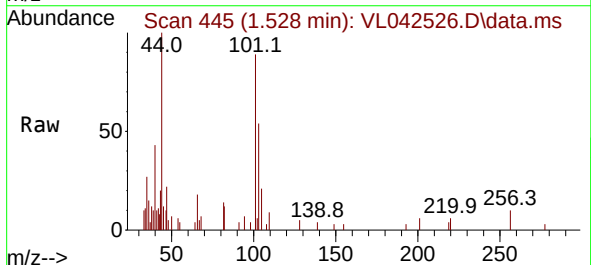
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

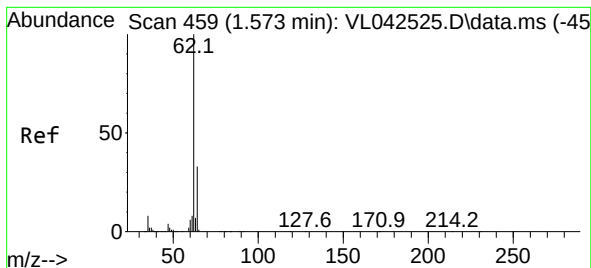
Tgt Ion: 51 Resp: 306
Ion Ratio Lower Upper
51 100
67 19.3 17.4 26.0



#4
Chloromethane
Concen: 0.010 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 50 Resp: 75
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#





#5

Vinyl Chloride

Concen: 0.006 ppbv

RT: 1.625 min Scan# 41

Delta R.T. 0.052 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

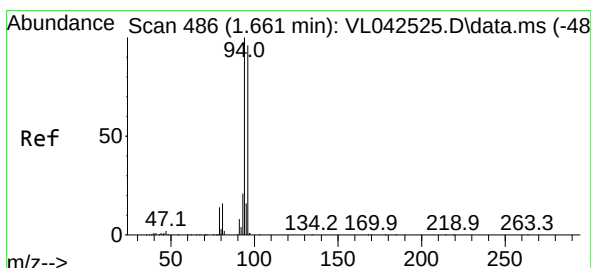
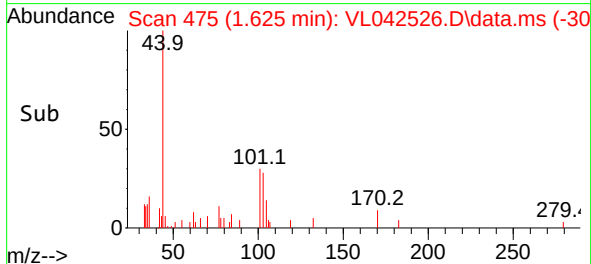
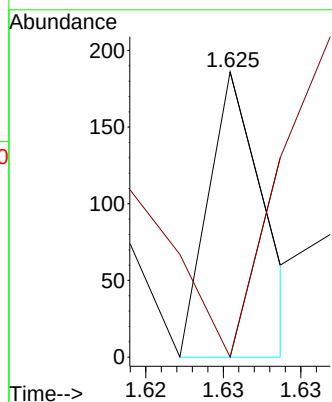
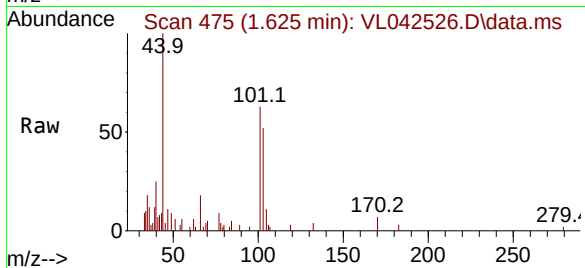
VSTDIC002

Tgt Ion: 62 Resp: 48

Ion Ratio Lower Upper

62 100

64 0.0 26.5 39.7#



#6

Bromomethane

Concen: 0.026 ppbv

RT: 1.661 min Scan# 486

Delta R.T. 0.000 min

Lab File: VL042526.D

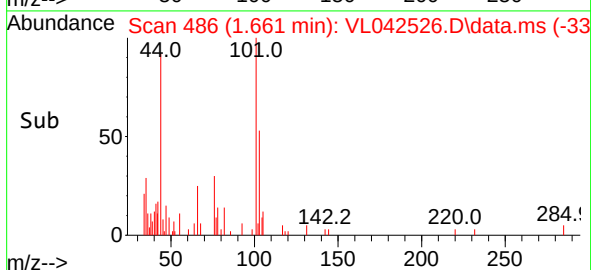
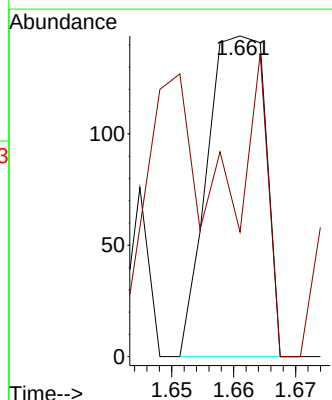
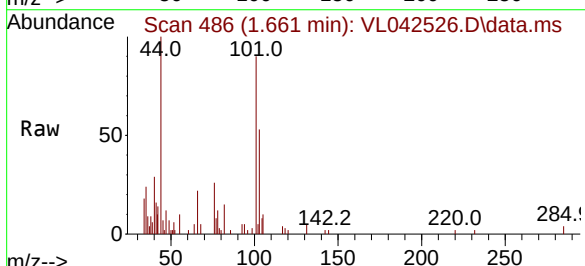
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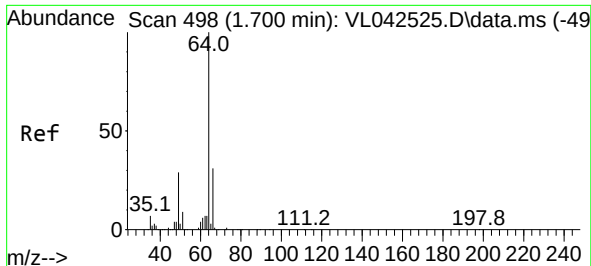
Tgt Ion: 94 Resp: 94

Ion Ratio Lower Upper

94 100

96 38.9 76.9 115.3#

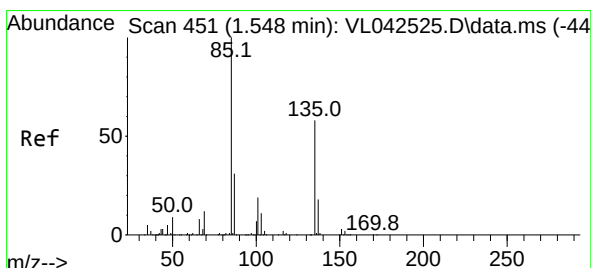
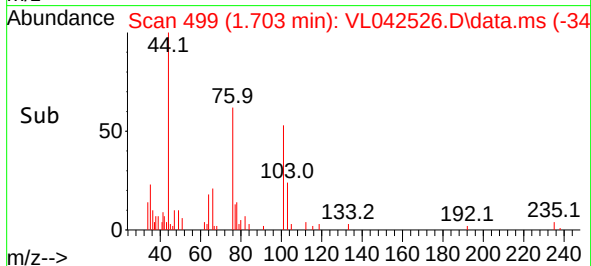
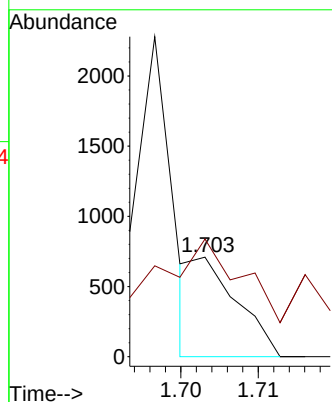
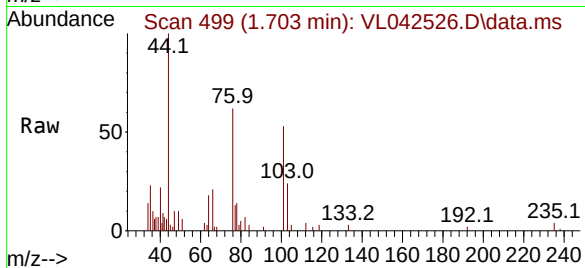




#7
Chloroethane
Concen: 0.092 ppbv
RT: 1.703 min Scan# 498
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

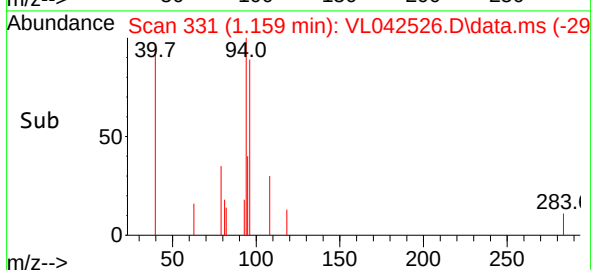
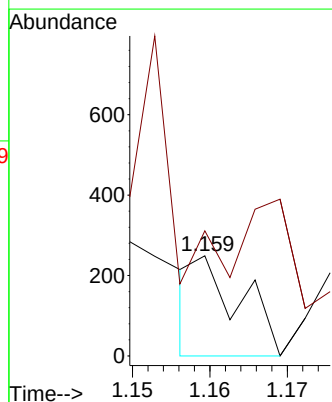
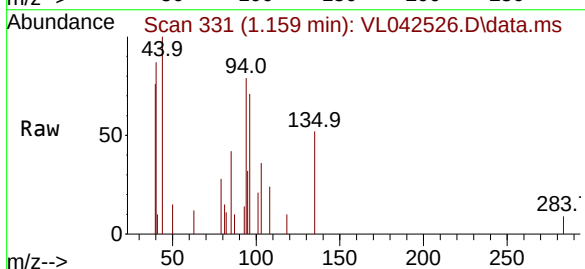
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

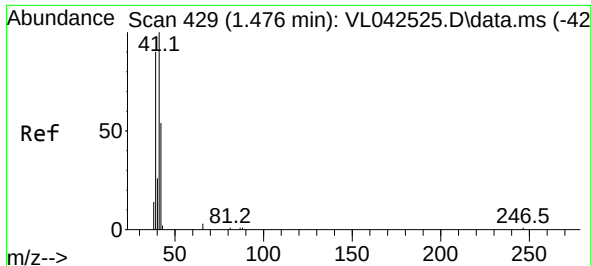
Tgt Ion: 64 Resp: 277
Ion Ratio Lower Upper
64 100
66 128.8 25.1 37.7#



#8
Dichlorotetrafluoroethane
Concen: 0.007 ppbv
RT: 1.159 min Scan# 331
Delta R.T. -0.388 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 85 Resp: 103
Ion Ratio Lower Upper
85 100
135 630.1 51.8 77.8#





#9

Propene

Concen: 0.039 ppbv

RT: 1.496 min Scan# 41

Delta R.T. 0.020 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_1

ClientSampleId :

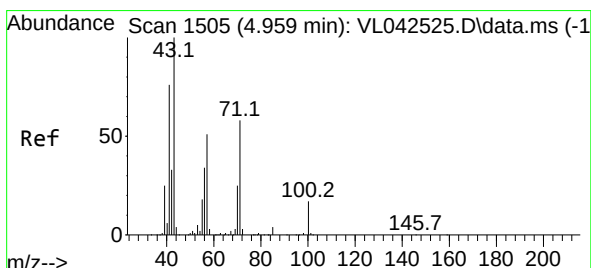
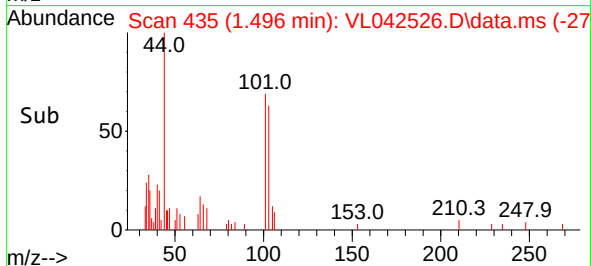
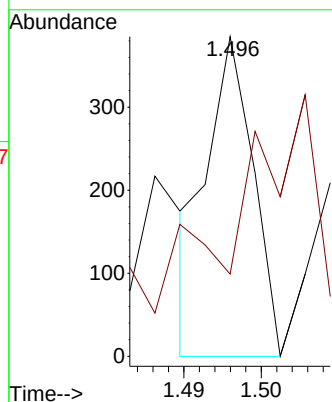
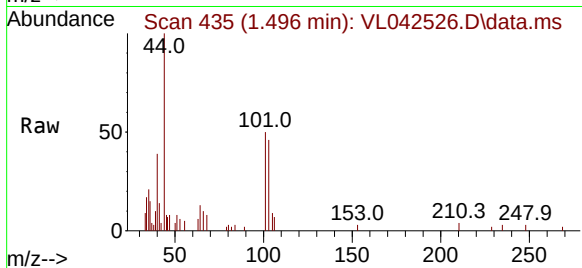
VSTDICC002

Tgt Ion: 41 Resp: 158

Ion Ratio Lower Upper

41 100

42 0.0 4.1 6.1#



#10

Heptane

Concen: 1.975 ppbv

RT: 4.966 min Scan# 1507

Delta R.T. 0.007 min

Lab File: VL042526.D

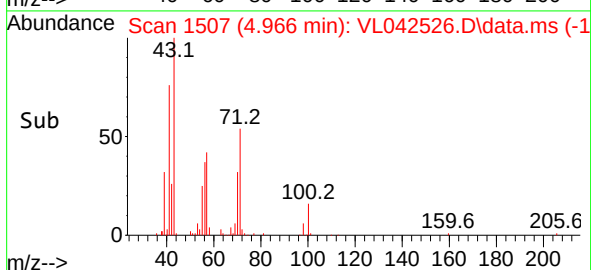
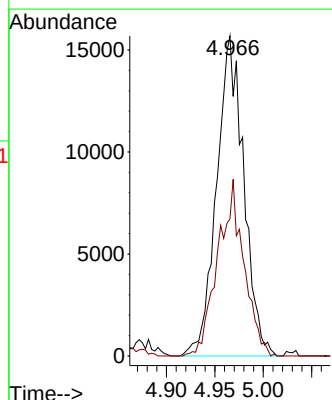
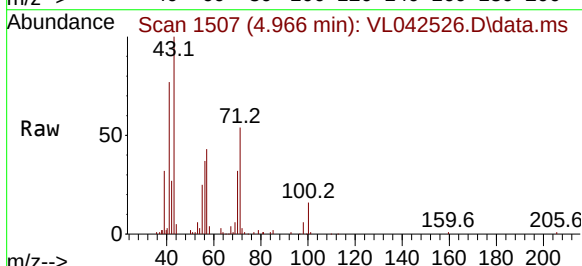
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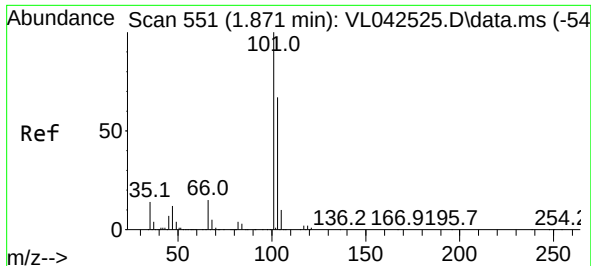
Tgt Ion: 43 Resp: 30573

Ion Ratio Lower Upper

43 100

57 52.9 42.1 63.1

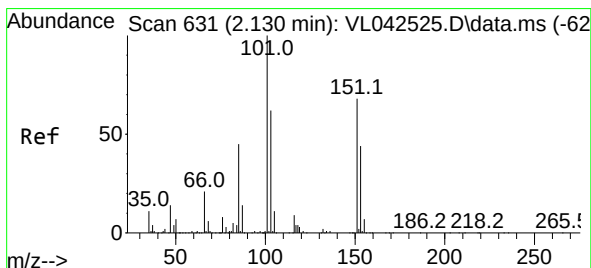
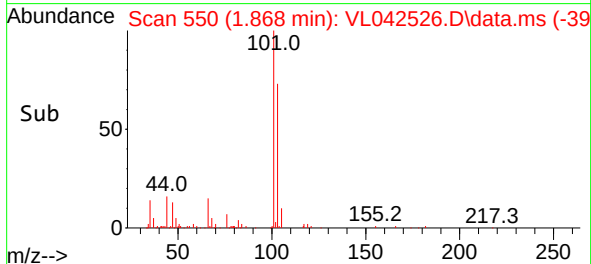
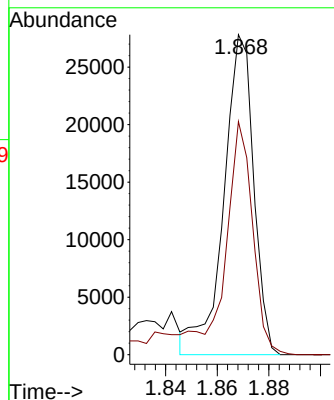
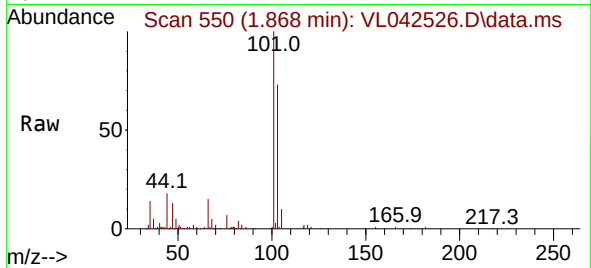




#11
 Trichlorofluoromethane
 Concen: 1.273 ppbv
 RT: 1.868 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

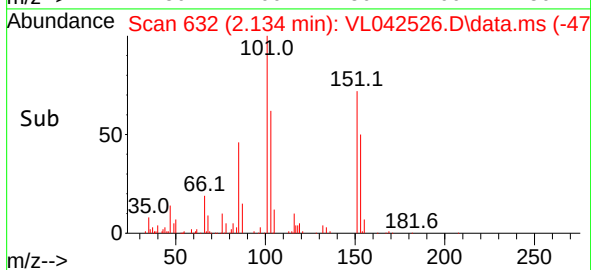
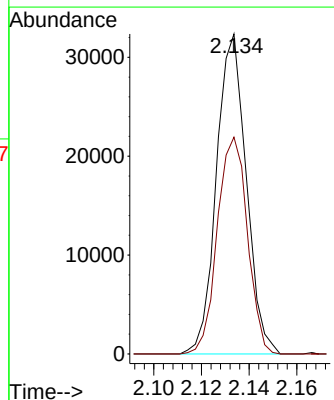
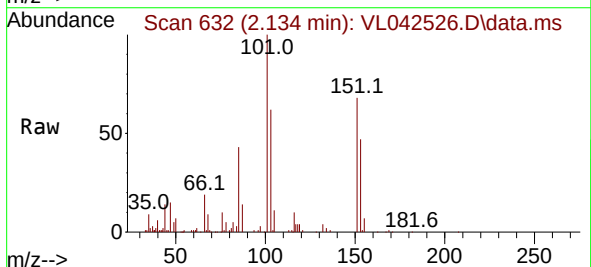
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

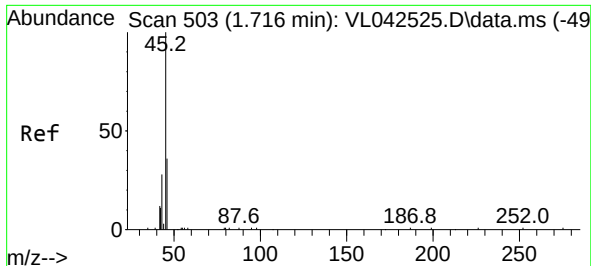
Tgt Ion:101 Resp: 22463
 Ion Ratio Lower Upper
 101 100
 103 71.8 53.8 80.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.980 ppbv
 RT: 2.134 min Scan# 632
 Delta R.T. 0.003 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

Tgt Ion:101 Resp: 28064
 Ion Ratio Lower Upper
 101 100
 151 68.4 57.8 86.8

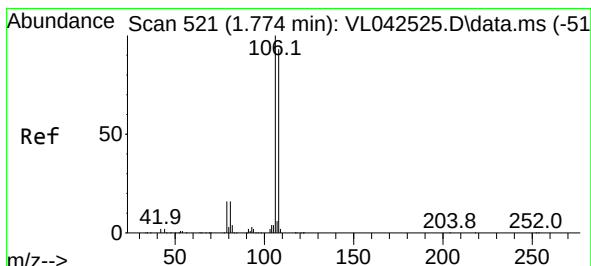
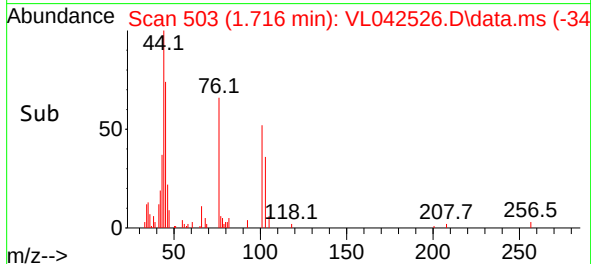
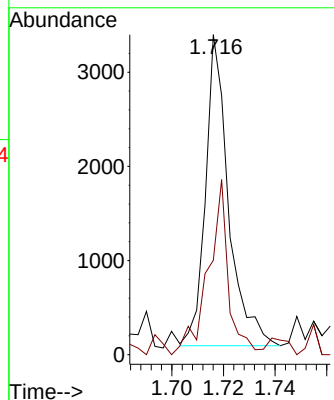
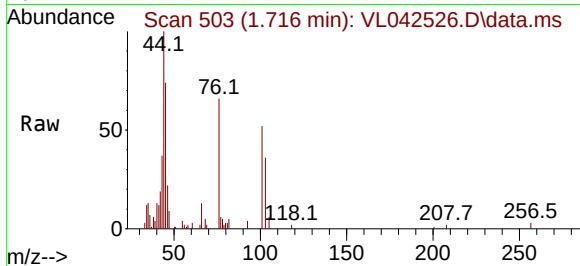




#13
Ethanol
Concen: 1.846 ppbv
RT: 1.716 min Scan# 503
Delta R.T. 0.000 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

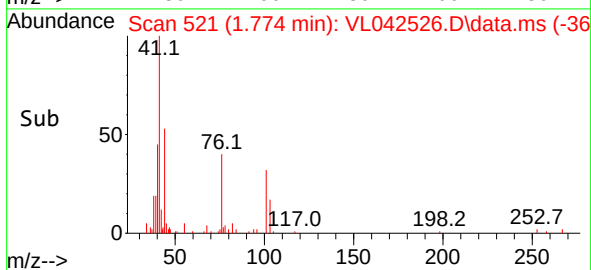
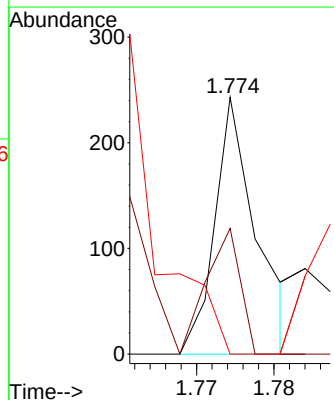
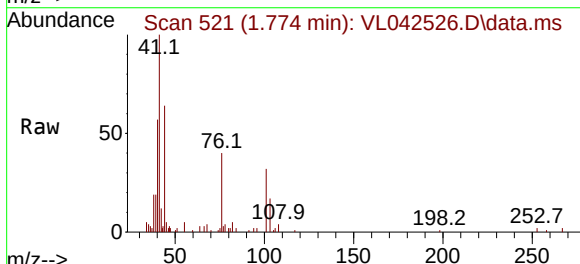
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

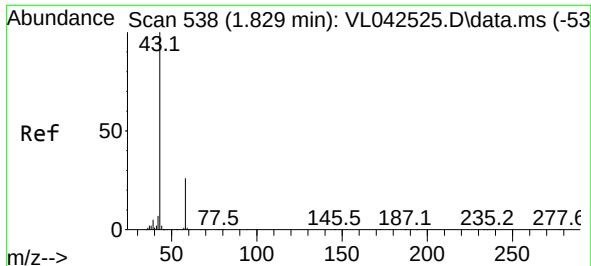
Tgt Ion: 45 Resp: 2046
Ion Ratio Lower Upper
45 100
46 66.4 14.8 59.4#



#14
Bromoethene
Concen: 0.018 ppbv
RT: 1.774 min Scan# 521
Delta R.T. 0.000 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 108 Resp: 91
Ion Ratio Lower Upper
108 100
106 85.7 87.4 131.2#
79 0.0 15.1 22.7#





#15

Acetone

Concen: 2.037 ppbv

RT: 1.833 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

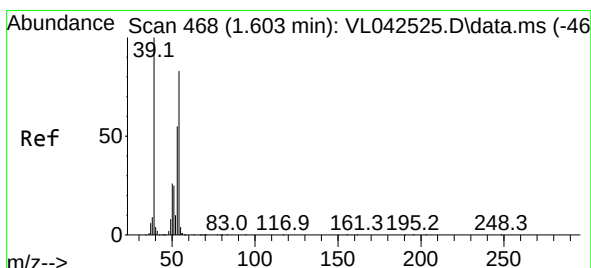
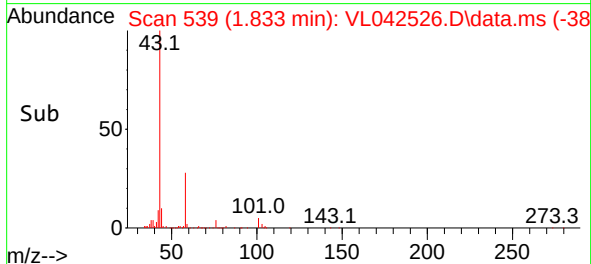
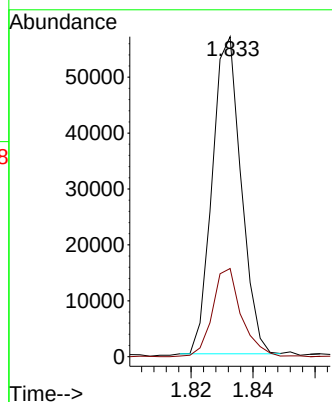
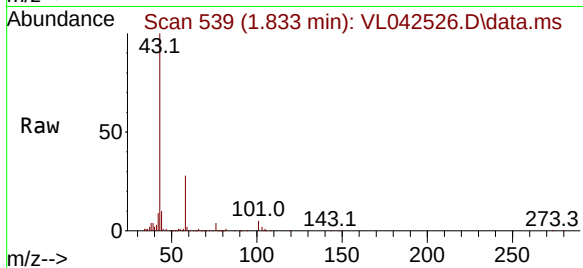
VSTDIC002

Tgt Ion: 43 Resp: 36764

Ion Ratio Lower Upper

43 100

58 28.1 21.3 31.9



#16

1,3-Butadiene

Concen: 0.033 ppbv

RT: 1.583 min Scan# 462

Delta R.T. -0.019 min

Lab File: VL042526.D

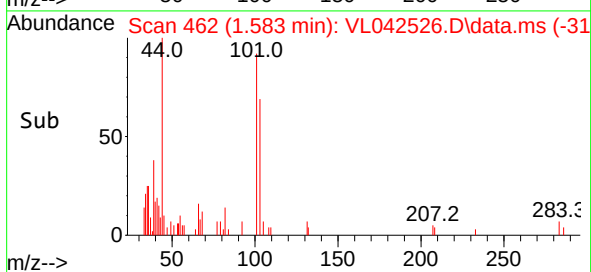
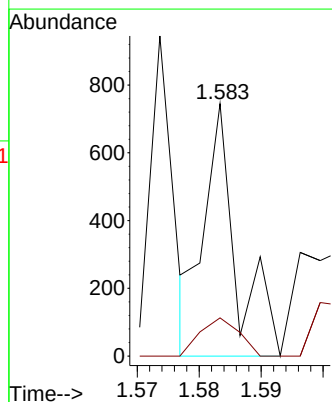
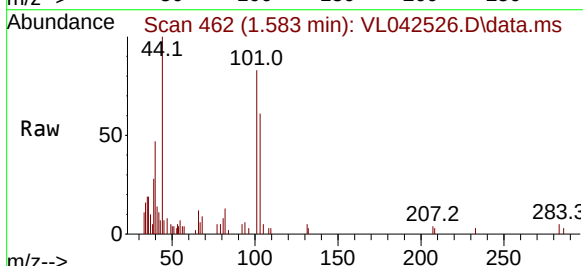
Acq: 12 May 2025 09:33

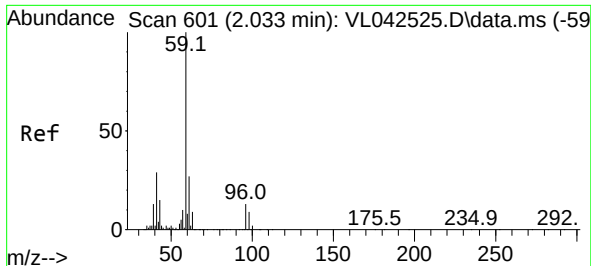
Tgt Ion: 39 Resp: 267

Ion Ratio Lower Upper

39 100

54 118.7 57.8 86.6#





#17

tert-Butyl alcohol

Concen: 1.871 ppbv

RT: 2.036 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

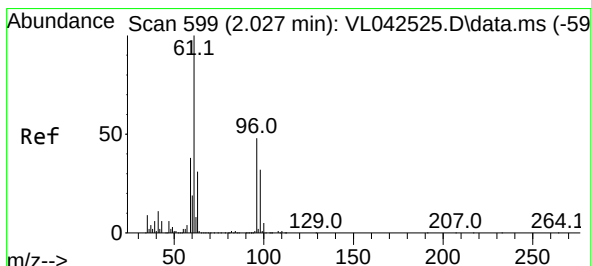
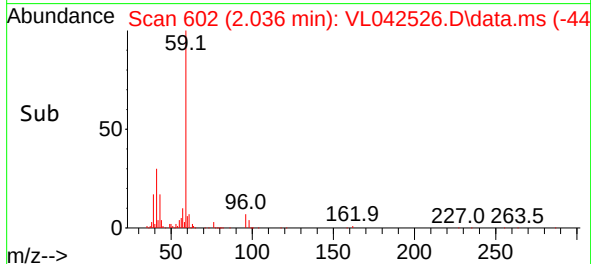
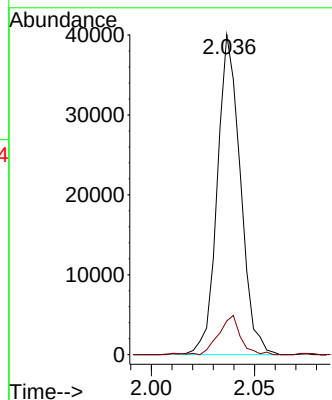
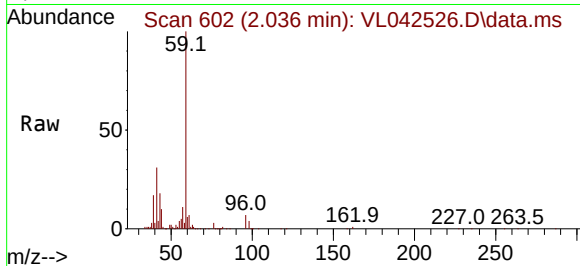
VSTDIC002

Tgt Ion: 59 Resp: 31202

Ion Ratio Lower Upper

59 100

57 11.7 8.2 12.4



#18

1,1-Dichloroethene

Concen: 2.058 ppbv

RT: 2.027 min Scan# 599

Delta R.T. 0.000 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

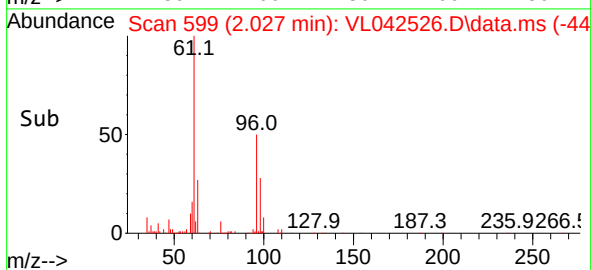
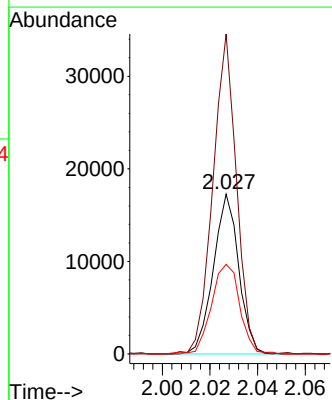
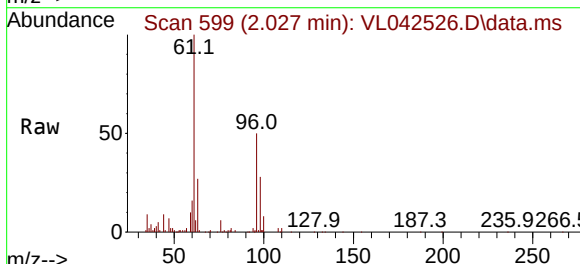
Tgt Ion: 96 Resp: 12780

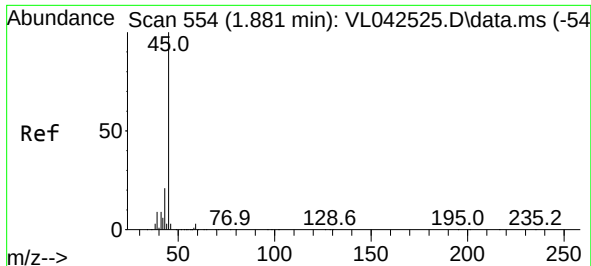
Ion Ratio Lower Upper

96 100

61 199.6 165.0 247.4

98 56.0 52.6 79.0

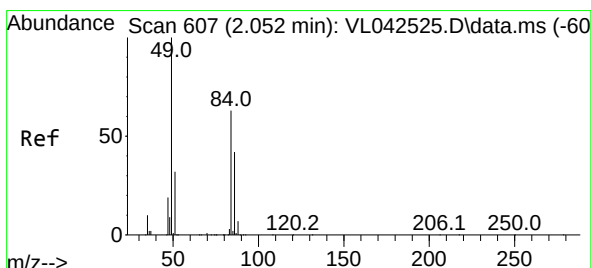
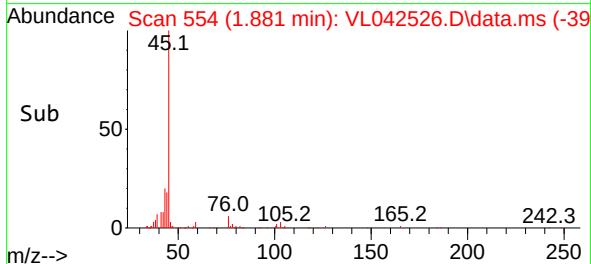
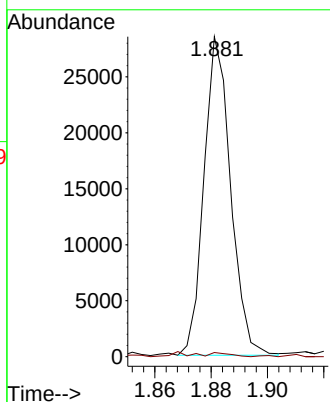
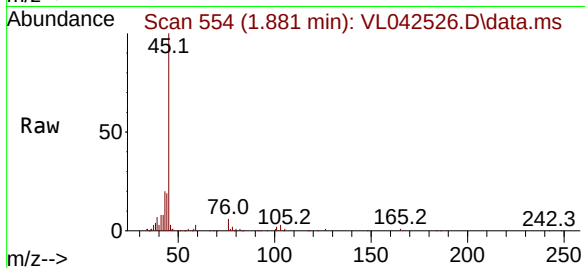




#19
Isopropyl Alcohol
Concen: 1.907 ppbv
RT: 1.881 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

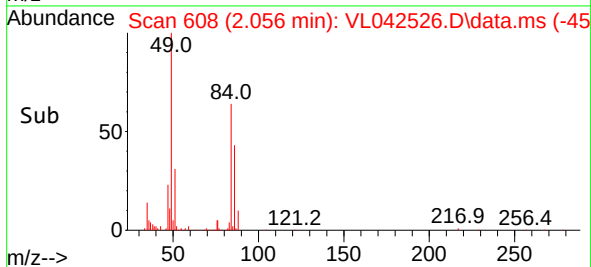
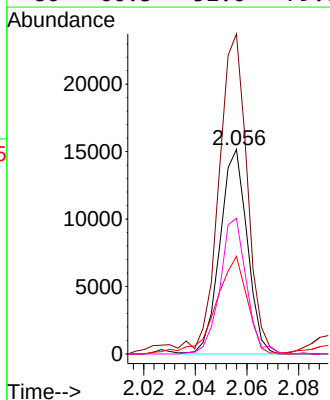
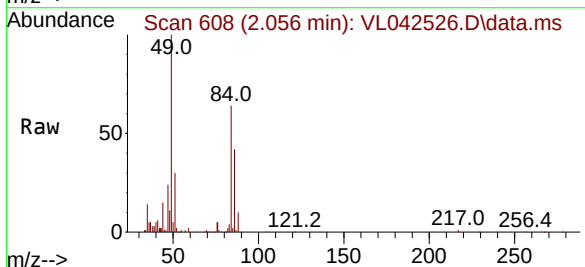
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

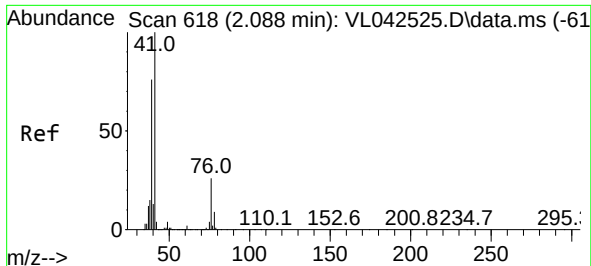
Tgt Ion: 45 Resp: 18697
Ion Ratio Lower Upper
45 100
58 2.5 1.5 2.3#



#20
Methylene Chloride
Concen: 1.764 ppbv
RT: 2.056 min Scan# 608
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 84 Resp: 11090
Ion Ratio Lower Upper
84 100
49 154.8 128.2 192.4
51 47.0 41.7 62.5
86 66.3 52.6 79.0

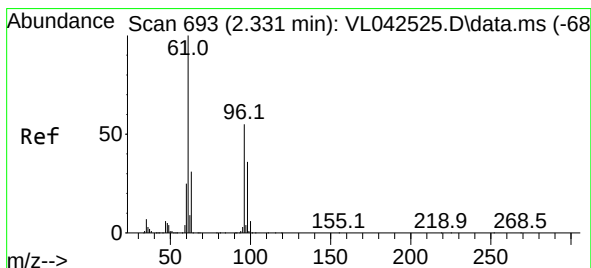
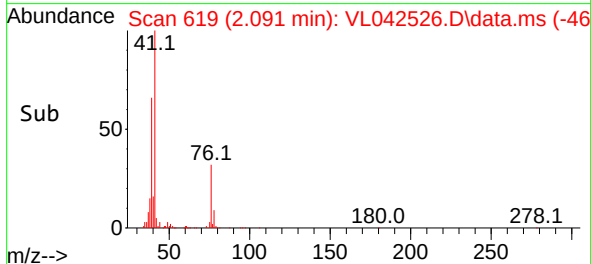
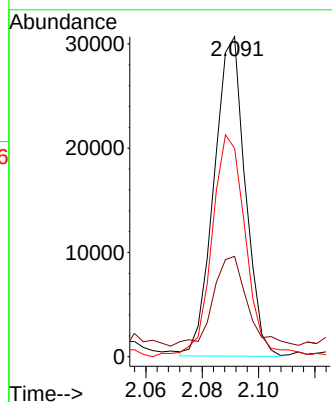
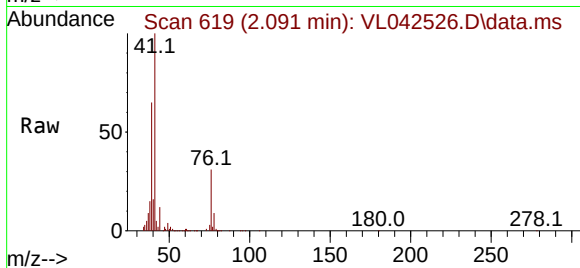




#21
 Allyl Chloride
 Concen: 1.974 ppbv
 RT: 2.091 min Scan# 618
 Delta R.T. 0.003 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

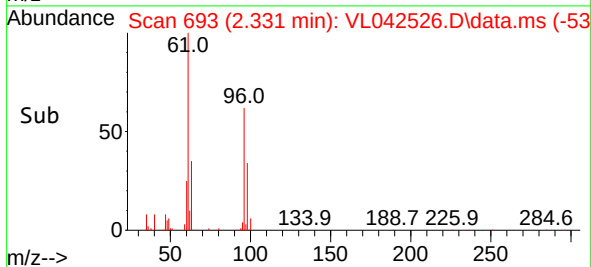
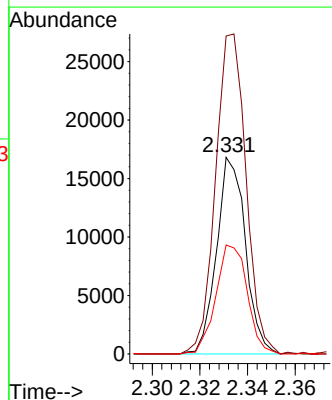
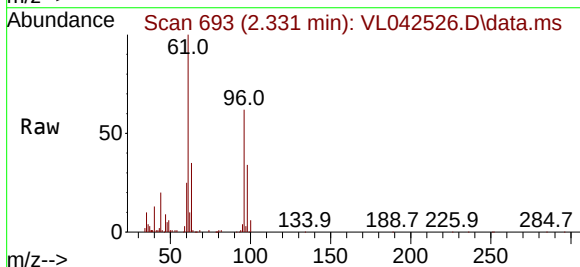
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

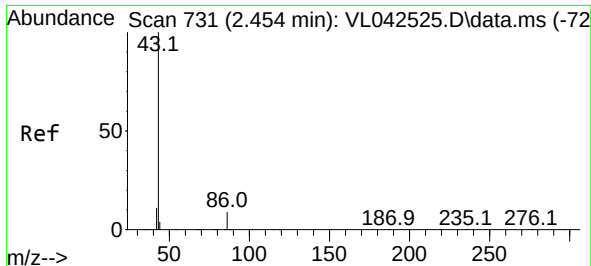
Tgt Ion: 41 Resp: 23586
 Ion Ratio Lower Upper
 41 100
 76 67.7 22.0 33.0#
 39 73.2 59.5 89.3



#22
 trans-1,2-Dichloroethene
 Concen: 1.943 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. 0.000 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

Tgt Ion: 96 Resp: 14116
 Ion Ratio Lower Upper
 96 100
 61 161.7 145.9 218.9
 98 55.4 52.2 78.4

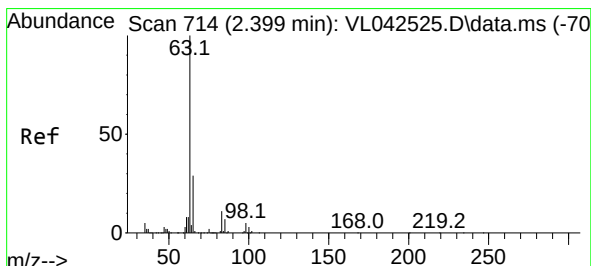
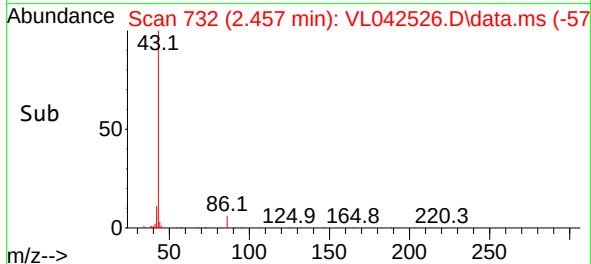
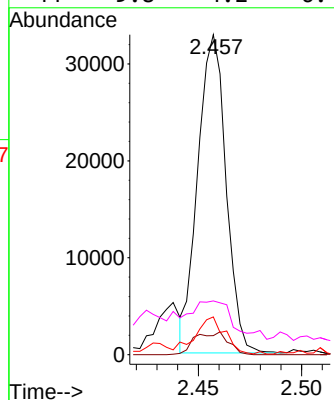
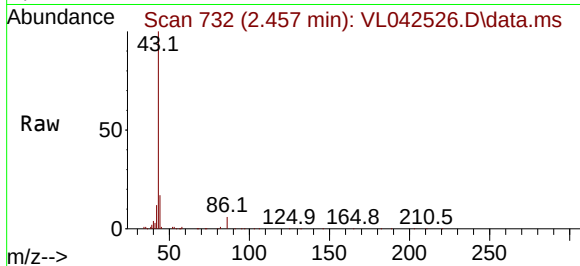




#23
 Vinyl Acetate
 Concen: 1.650 ppbv
 RT: 2.457 min Scan# 715
 Delta R.T. 0.004 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

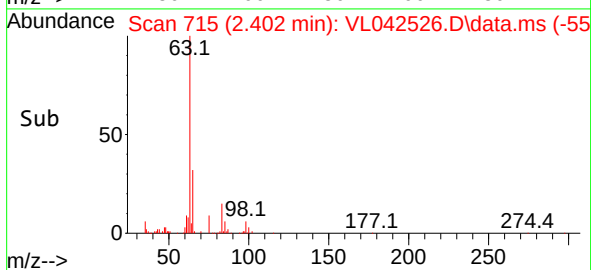
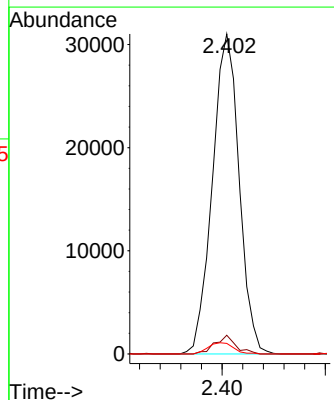
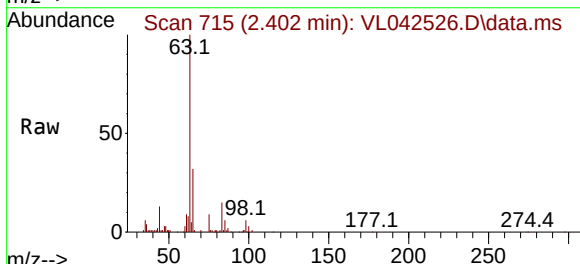
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

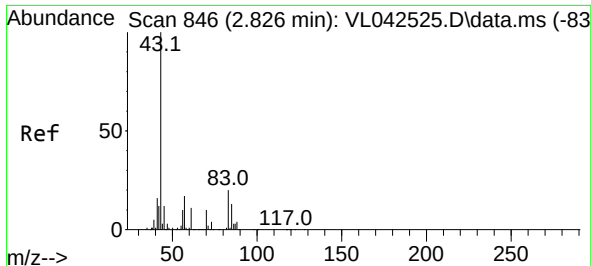
Tgt Ion: 43 Resp: 31189
 Ion Ratio Lower Upper
 43 100
 86 6.0 6.8 10.2#
 42 10.9 8.8 13.2
 44 9.8 4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 1.985 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. 0.003 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

Tgt Ion: 63 Resp: 27904
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.6 8.0
 100 3.3 1.4 4.2





#25

Ethyl Acetate

Concen: 1.984 ppbv

RT: 2.829 min Scan# 846

Delta R.T. 0.004 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 43 Resp: 62897

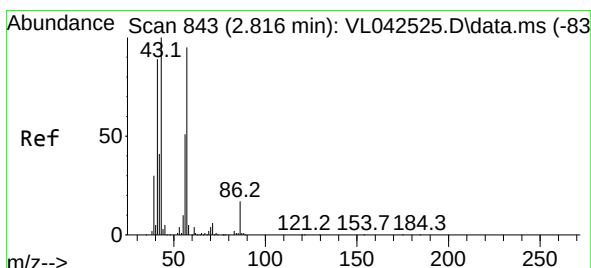
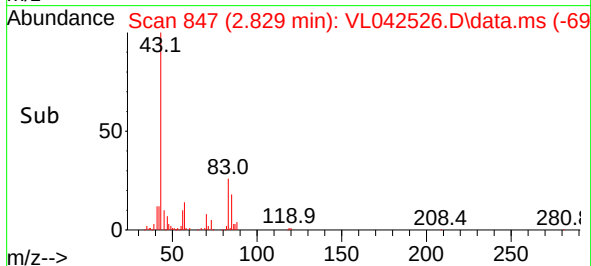
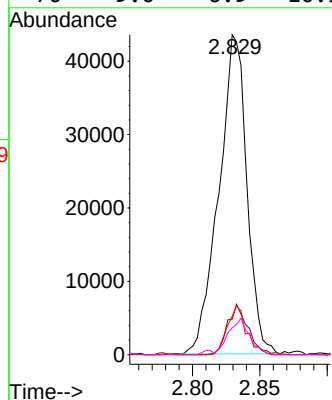
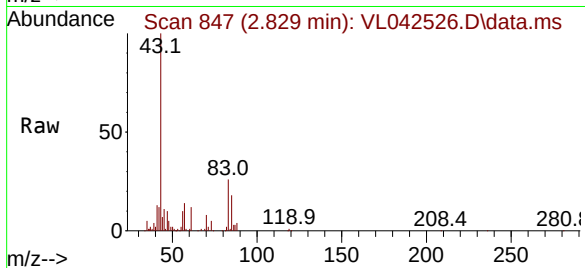
Ion Ratio Lower Upper

43 100

45 11.4 7.9 11.9

61 10.7 7.1 10.7#

70 9.0 6.9 10.3



#26

Hexane

Concen: 2.041 ppbv

RT: 2.817 min Scan# 843

Delta R.T. 0.000 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Tgt Ion: 57 Resp: 26559

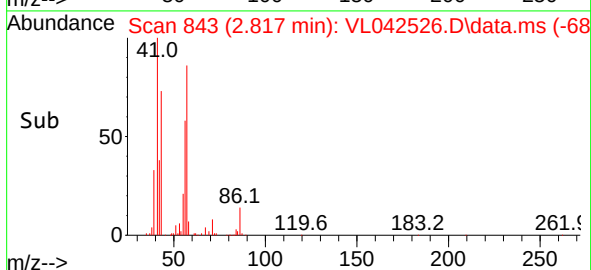
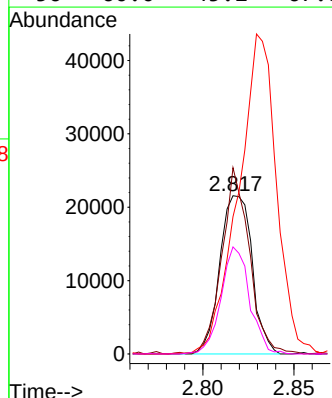
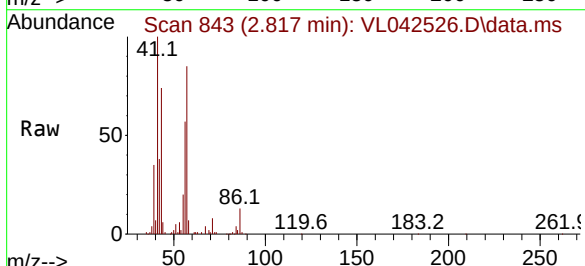
Ion Ratio Lower Upper

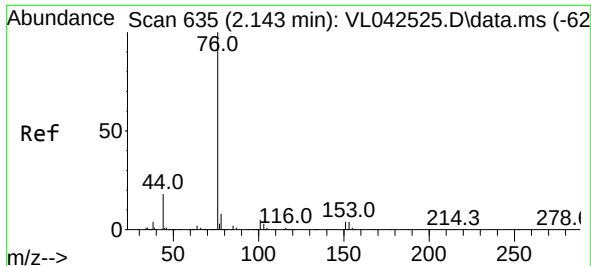
57 100

41 100.8 76.1 114.1

43 241.1 188.9 283.3

56 60.0 45.2 67.8

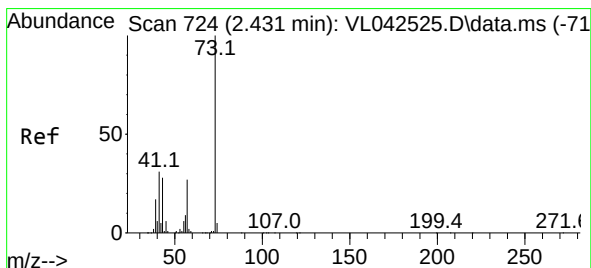
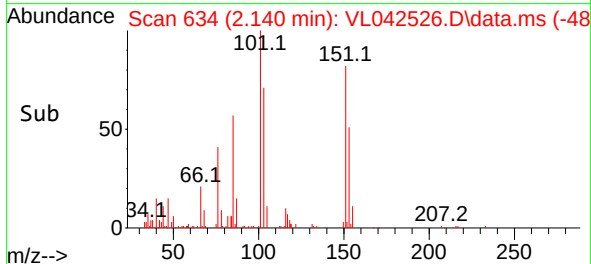
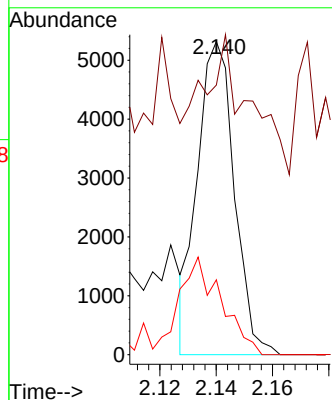
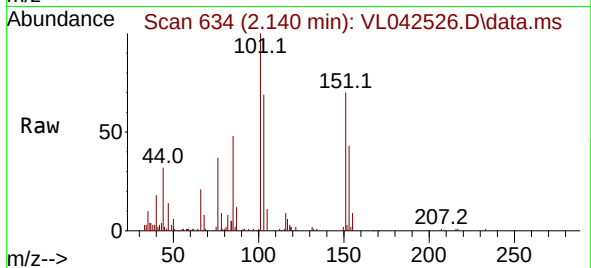




#27
Carbon Disulfide
Concen: 0.289 ppbv
RT: 2.140 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

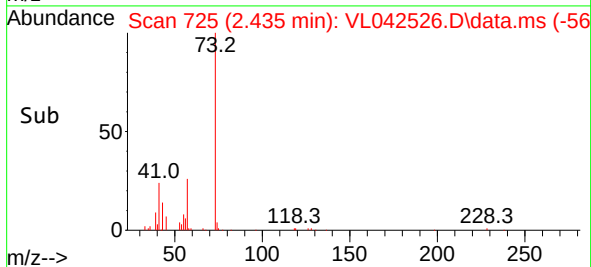
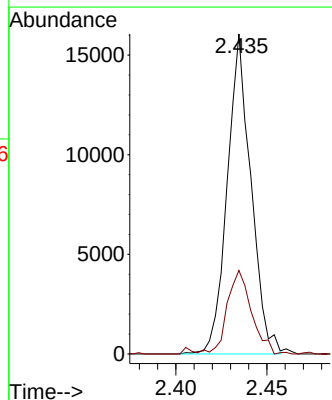
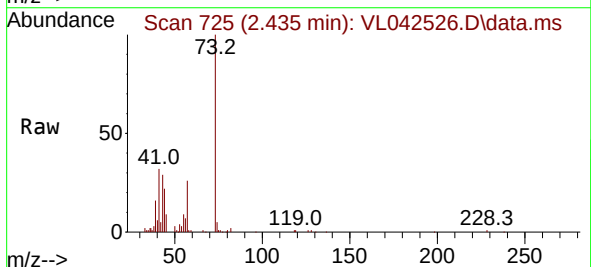
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

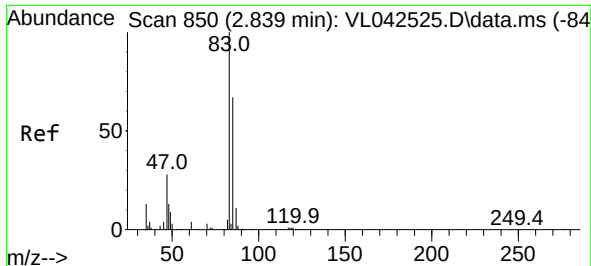
Tgt Ion: 76 Resp: 4850
Ion Ratio Lower Upper
76 100
44 158.2 17.1 25.7#
78 38.0 8.6 12.8#



#28
Methyl tert-Butyl Ether
Concen: 2.007 ppbv
RT: 2.435 min Scan# 725
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 73 Resp: 14506
Ion Ratio Lower Upper
73 100
57 27.7 20.3 30.5





#29

Chloroform

Concen: 1.980 ppbv

RT: 2.842 min Scan# 851

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

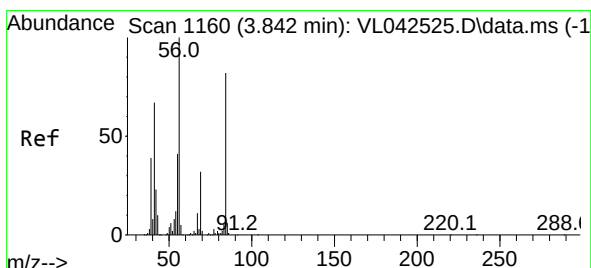
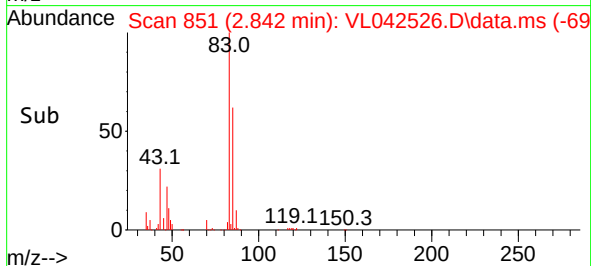
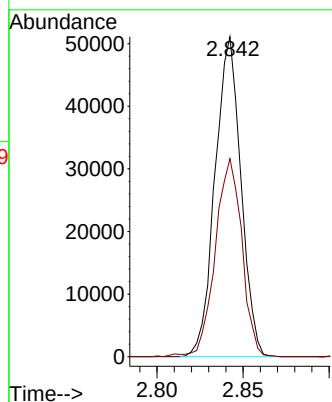
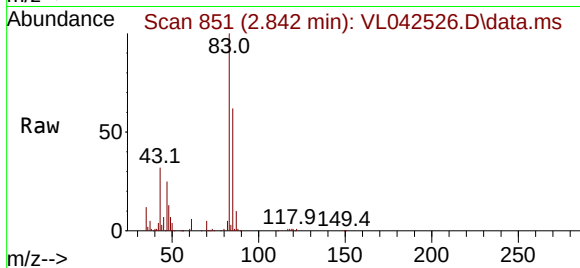
VSTDIC002

Tgt Ion: 83 Resp: 53440

Ion Ratio Lower Upper

83 100

85 61.8 53.5 80.3



#30

Cyclohexane

Concen: 2.035 ppbv

RT: 3.849 min Scan# 1162

Delta R.T. 0.007 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

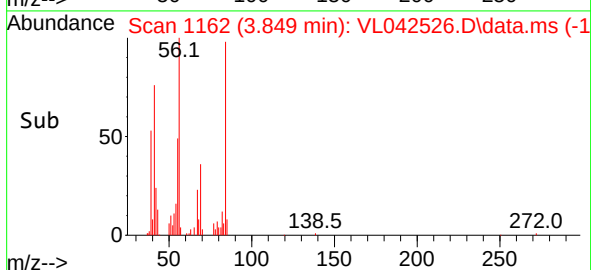
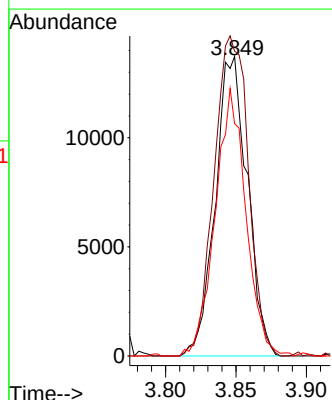
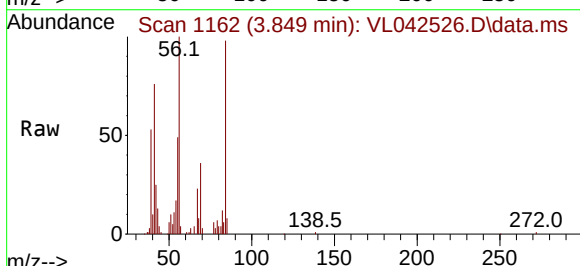
Tgt Ion: 84 Resp: 21741

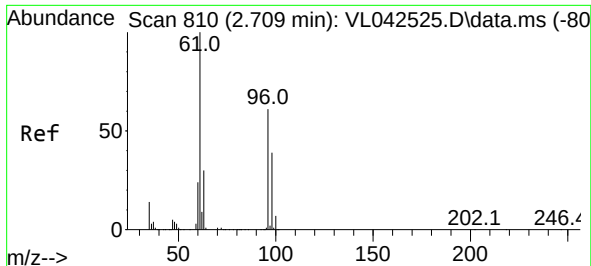
Ion Ratio Lower Upper

84 100

56 114.9 97.1 145.7

41 85.6 66.6 99.8

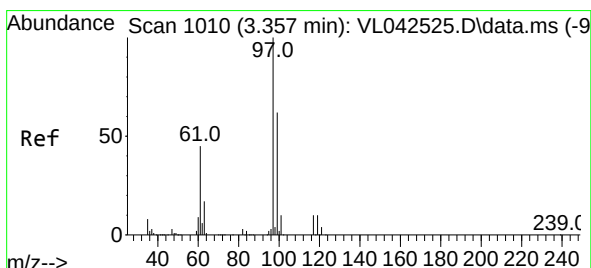
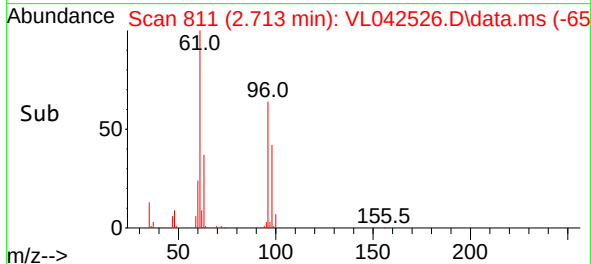
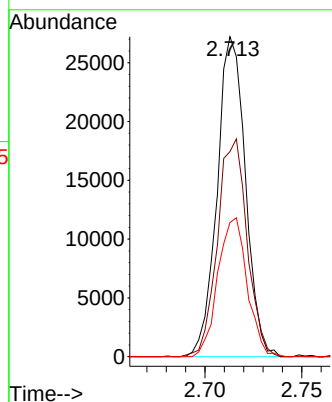
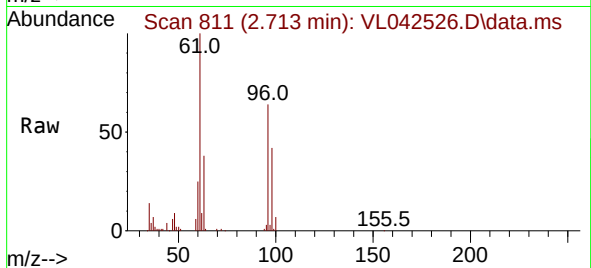




#31
 cis-1,2-Dichloroethene
 Concen: 1.886 ppbv
 RT: 2.713 min Scan# 810
 Delta R.T. 0.003 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

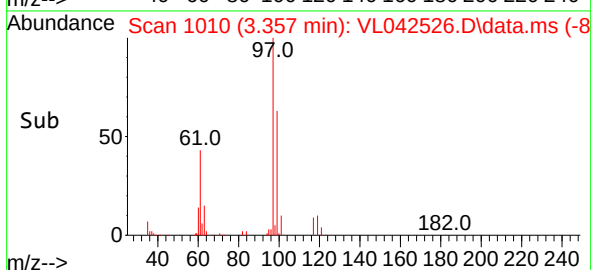
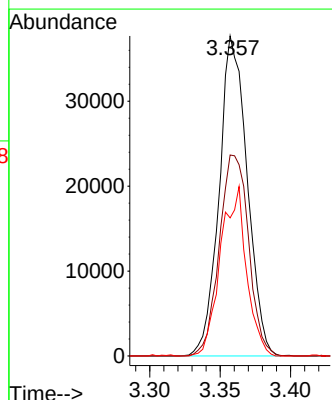
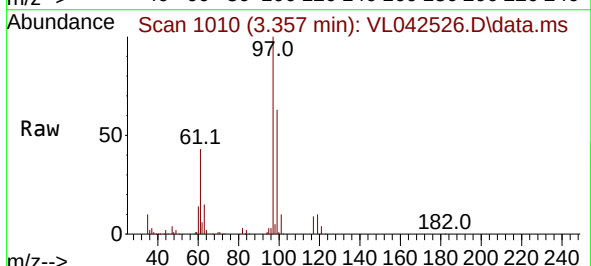
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

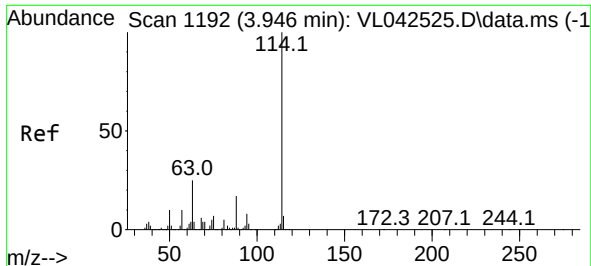
Tgt Ion: 61 Resp: 27706
 Ion Ratio Lower Upper
 61 100
 96 64.1 48.9 73.3
 98 41.9 31.4 47.2



#32
 1,1,1-Trichloroethane
 Concen: 1.919 ppbv
 RT: 3.357 min Scan# 1010
 Delta R.T. 0.000 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

Tgt Ion: 97 Resp: 52233
 Ion Ratio Lower Upper
 97 100
 99 65.7 50.1 75.1
 61 49.3 38.2 57.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

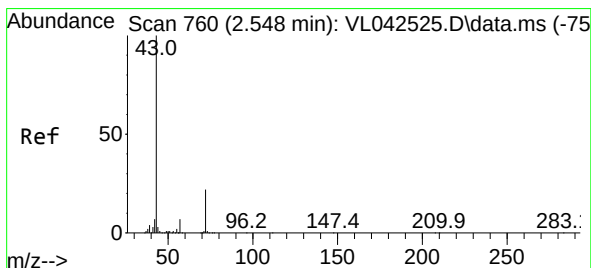
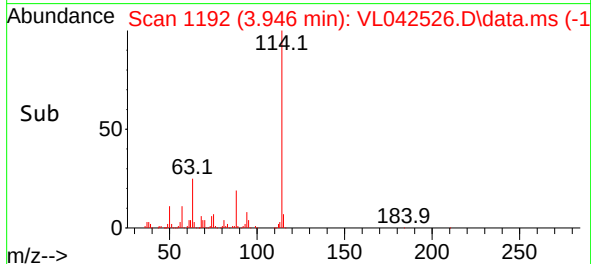
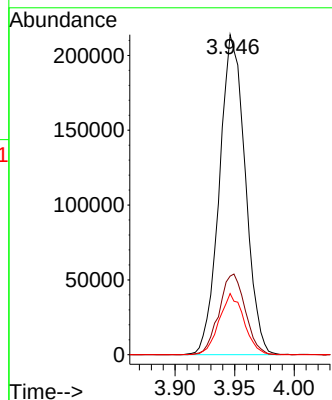
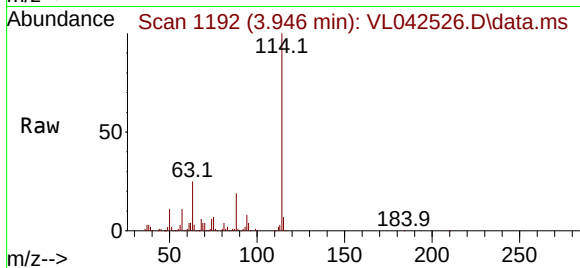
Tgt Ion:114 Resp: 322544

Ion Ratio Lower Upper

114 100

63 25.7 20.4 30.6

88 18.3 14.5 21.7



#34

2-Butanone

Concen: 2.029 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.007 min

Lab File: VL042526.D

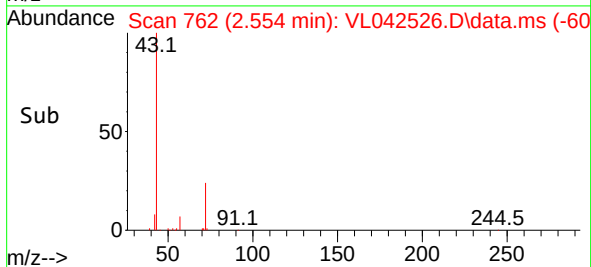
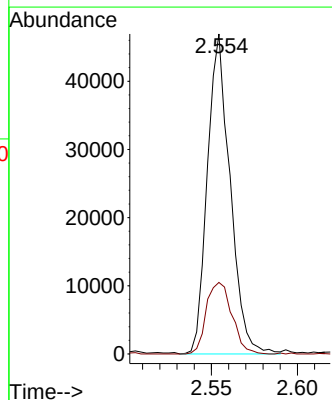
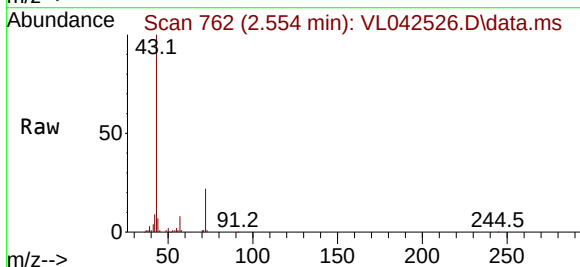
Acq: 12 May 2025 09:33

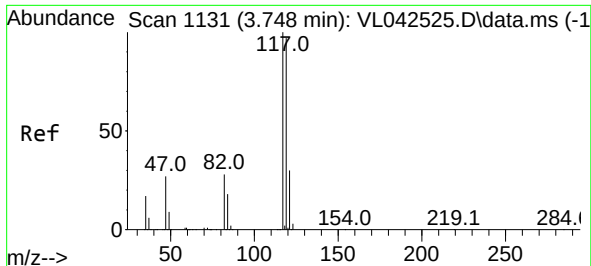
Tgt Ion: 43 Resp: 43134

Ion Ratio Lower Upper

43 100

72 25.3 18.7 28.1

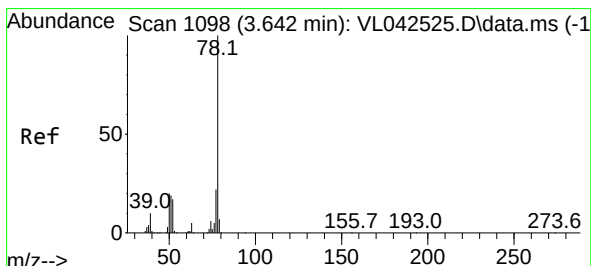
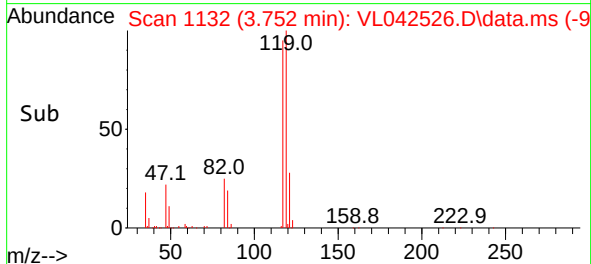
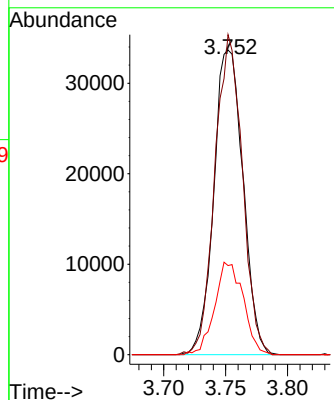
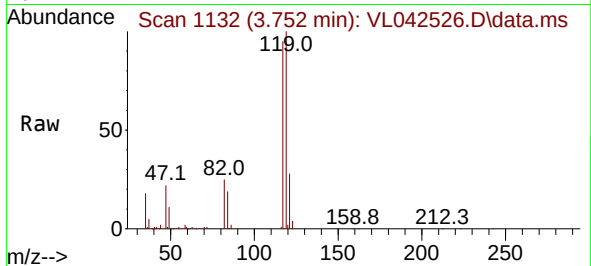




#35
Carbon Tetrachloride
Concen: 1.906 ppbv
RT: 3.752 min Scan# 1132
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

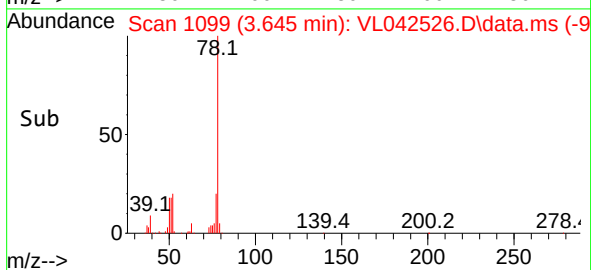
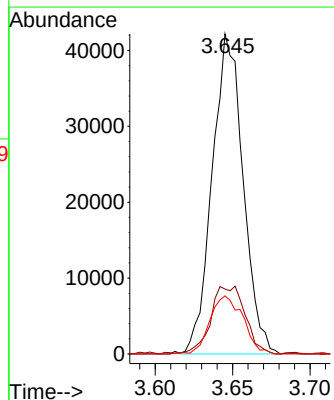
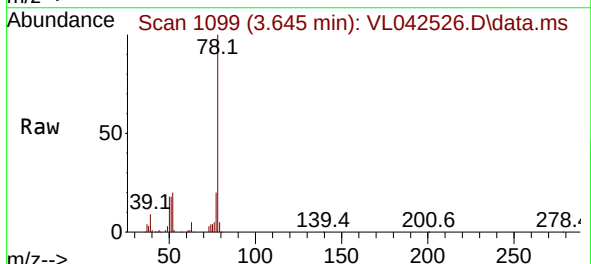
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

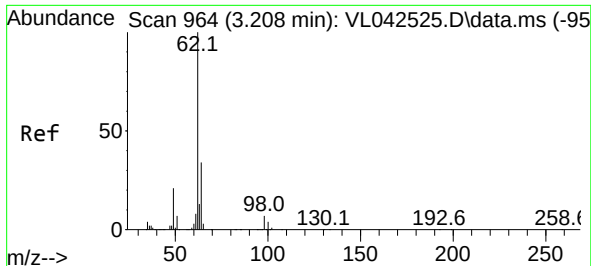
Tgt Ion:117 Resp: 55274
Ion Ratio Lower Upper
117 100
119 105.1 77.7 116.5
121 29.3 24.0 36.0



#36
Benzene
Concen: 2.050 ppbv
RT: 3.645 min Scan# 1099
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 78 Resp: 58586
Ion Ratio Lower Upper
78 100
77 20.3 17.4 26.2
50 18.1 16.3 24.5





#37

1,2-Dichloroethane

Concen: 1.928 ppbv

RT: 3.211 min Scan# 9

Delta R.T. 0.004 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_1

ClientSampleId :

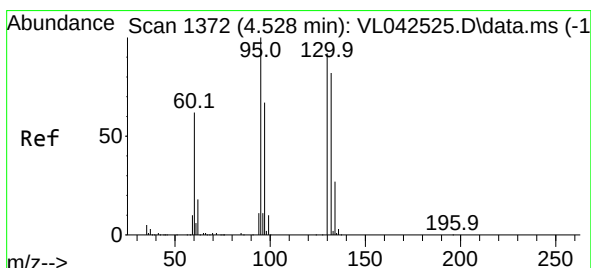
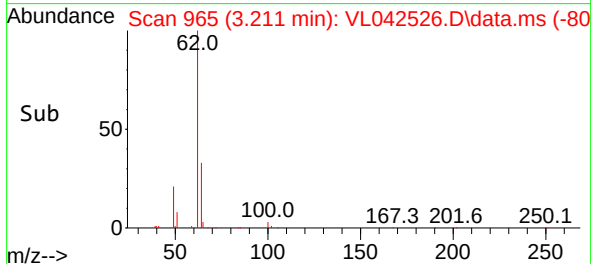
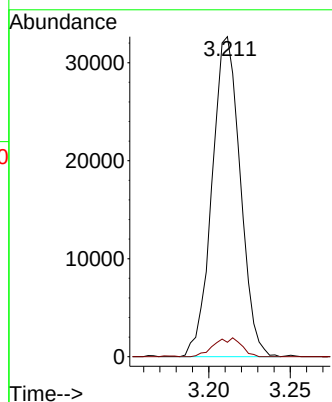
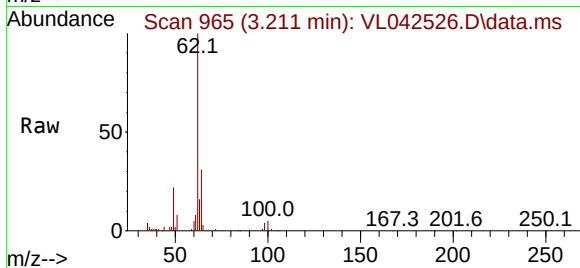
VSTDIC002

Tgt Ion: 62 Resp: 39319

Ion Ratio Lower Upper

62 100

98 5.8 5.0 7.4



#38

Trichloroethene

Concen: 1.951 ppbv

RT: 4.538 min Scan# 1375

Delta R.T. 0.010 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Tgt Ion:130 Resp: 23828

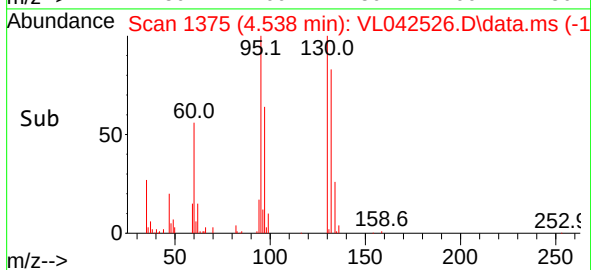
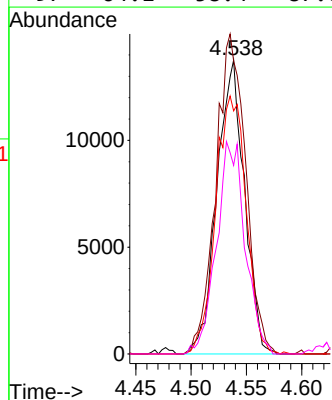
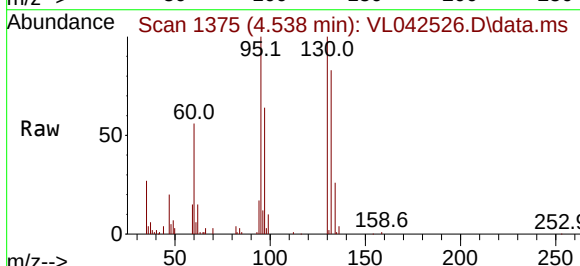
Ion Ratio Lower Upper

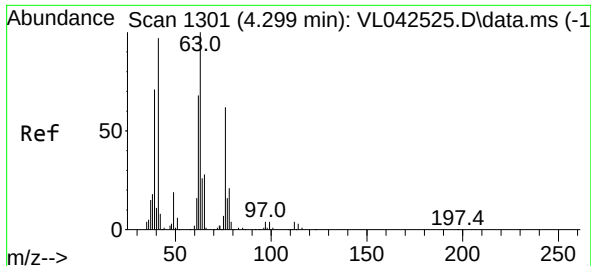
130 100

95 99.6 87.0 130.4

132 82.7 71.1 106.7

97 64.1 58.4 87.6





#39

1,2-Dichloropropane

Concen: 1.950 ppbv

RT: 4.302 min Scan# 1302

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

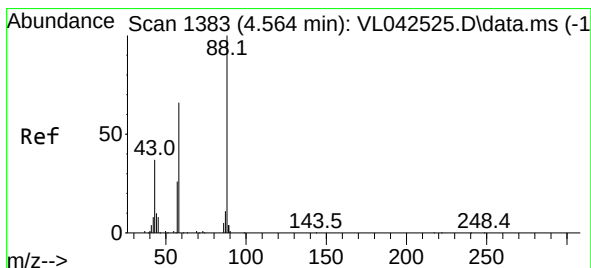
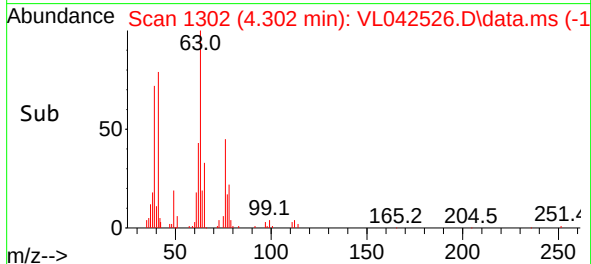
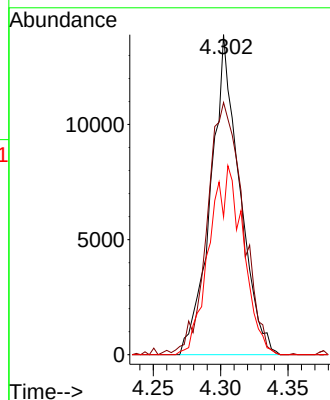
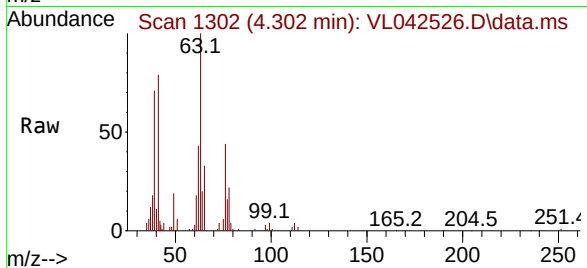
Tgt Ion: 63 Resp: 20752

Ion Ratio Lower Upper

63 100

41 78.8 77.5 116.3

62 43.0 54.6 82.0#



#40

1,4-Dioxane

Concen: 0.791 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.016 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Tgt Ion: 88 Resp: 3355

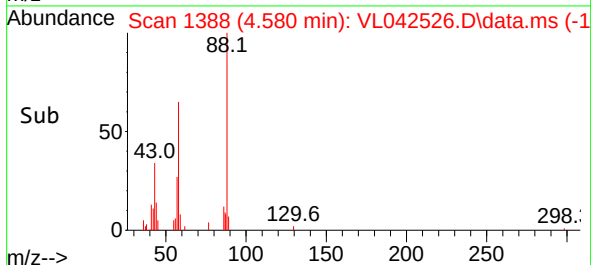
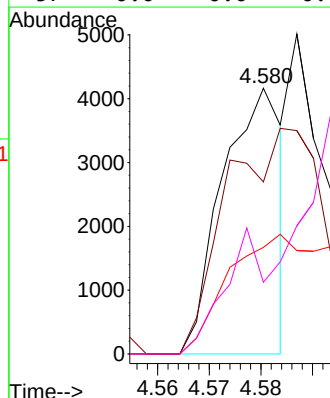
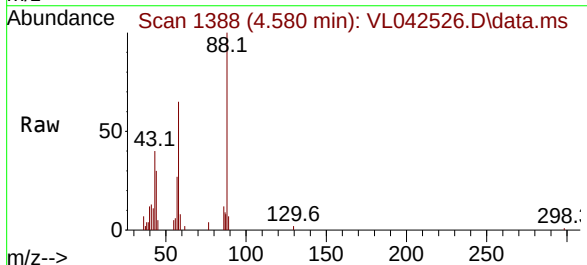
Ion Ratio Lower Upper

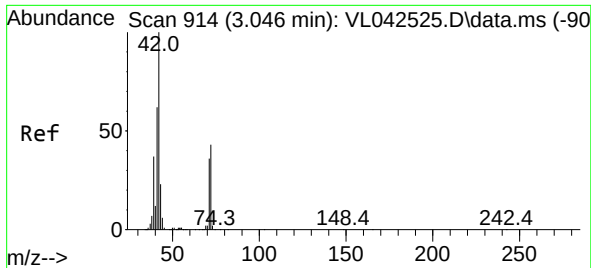
88 100

58 0.0 58.2 87.2#

43 0.0 27.9 41.9#

57 0.0 0.0 0.0

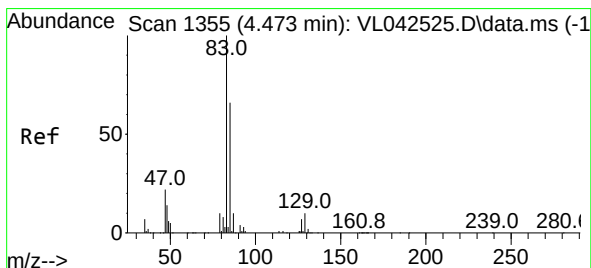
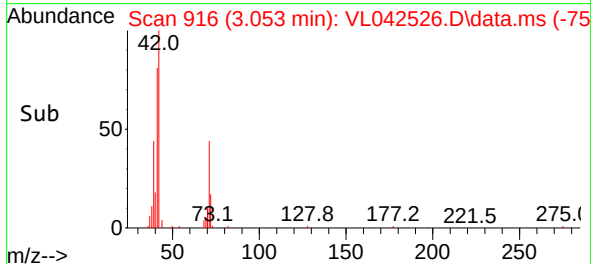
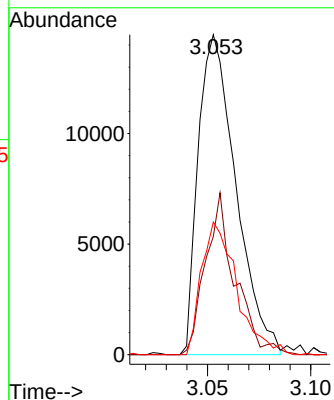
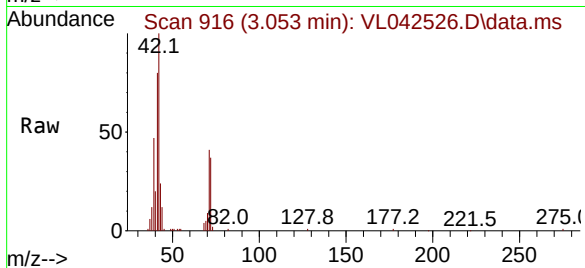




#41
Tetrahydrofuran
Concen: 2.003 ppbv
RT: 3.053 min Scan# 914
Delta R.T. 0.007 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

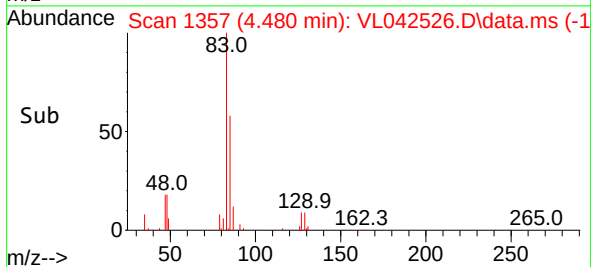
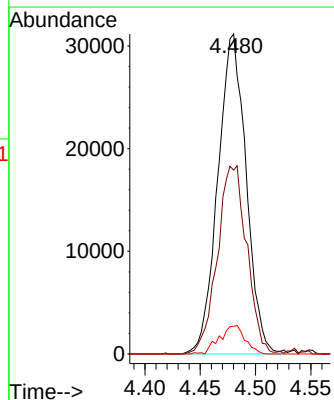
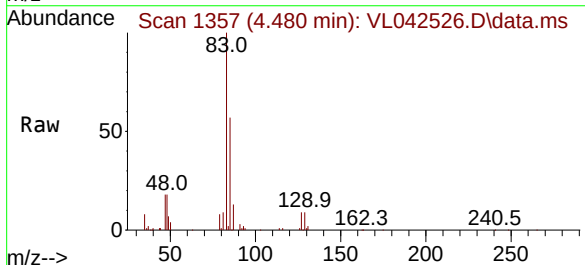
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

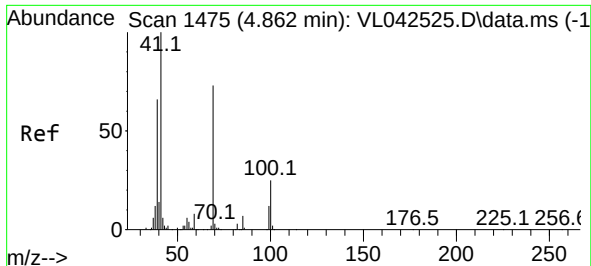
Tgt Ion: 42 Resp: 18370
Ion Ratio Lower Upper
42 100
72 39.7 32.7 49.1
71 39.2 30.4 45.6



#42
Bromodichloromethane
Concen: 2.038 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.007 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 83 Resp: 55363
Ion Ratio Lower Upper
83 100
85 57.5 52.6 79.0
127 8.7 6.0 9.0

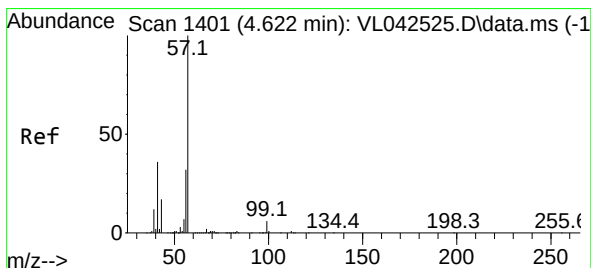
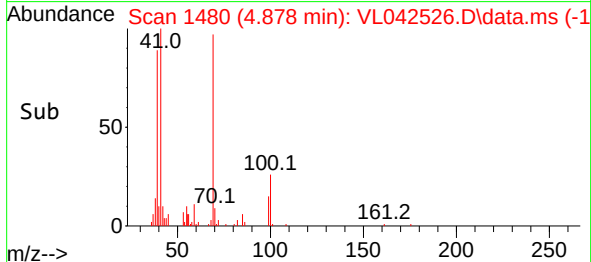
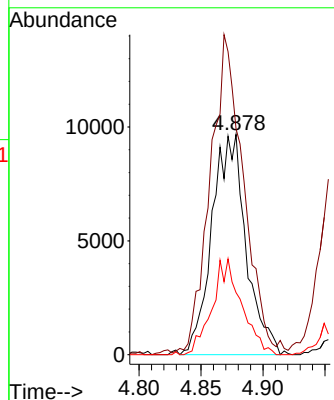
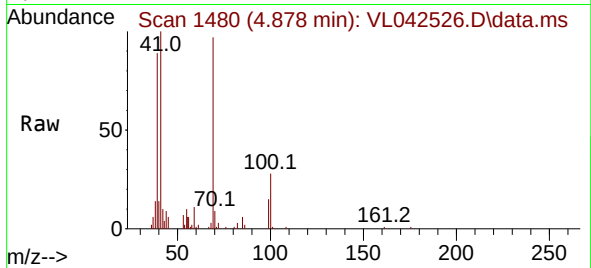




#43
Methyl Methacrylate
Concen: 1.941 ppbv
RT: 4.878 min Scan# 1475
Delta R.T. 0.016 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

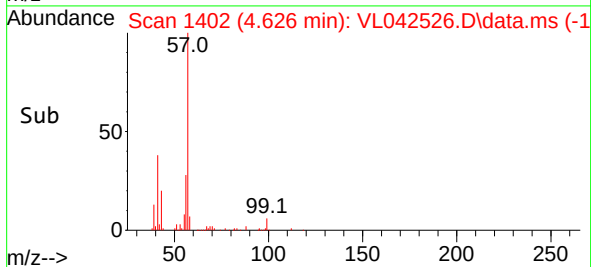
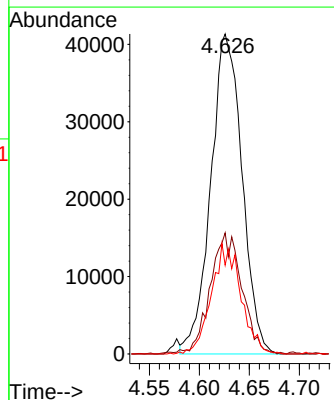
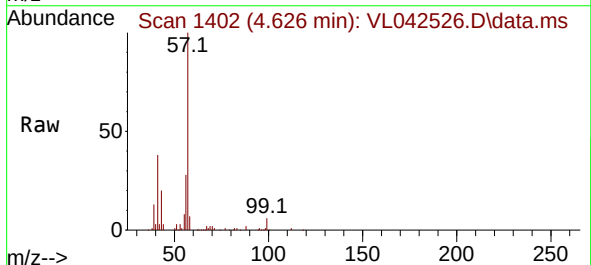
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

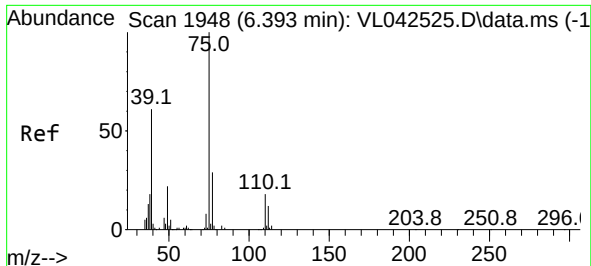
Tgt Ion: 69 Resp: 18530
Ion Ratio Lower Upper
69 100
41 143.6 119.9 179.9
100 37.8 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 2.009 ppbv
RT: 4.626 min Scan# 1402
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 57 Resp: 90191
Ion Ratio Lower Upper
57 100
41 38.6 28.3 42.5
56 32.3 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 0.979 ppbv

RT: 6.399 min Scan# 1948

Delta R.T. 0.007 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

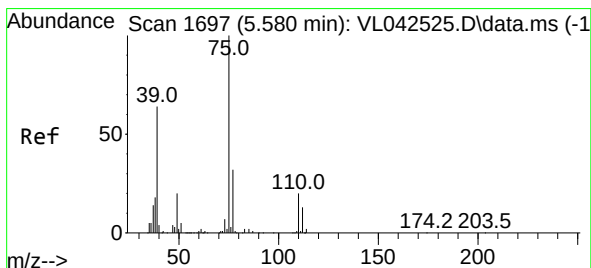
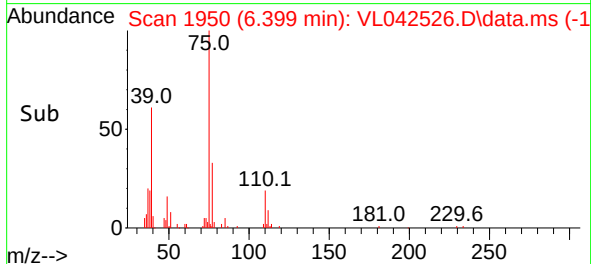
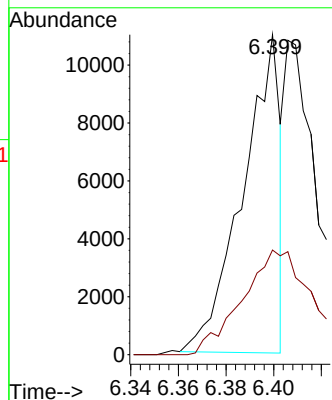
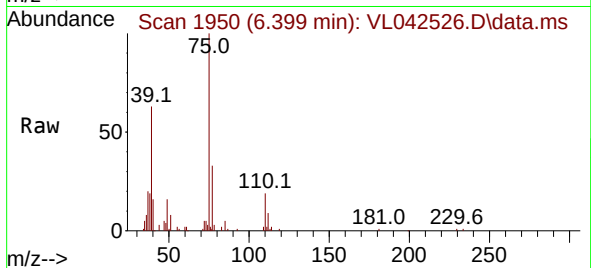
VSTDICC002

Tgt Ion: 75 Resp: 11927

Ion Ratio Lower Upper

75 100

77 32.0 23.3 34.9



#46

cis-1,3-Dichloropropene

Concen: 0.933 ppbv

RT: 5.590 min Scan# 1700

Delta R.T. 0.010 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

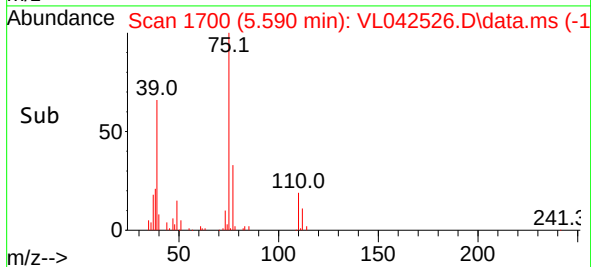
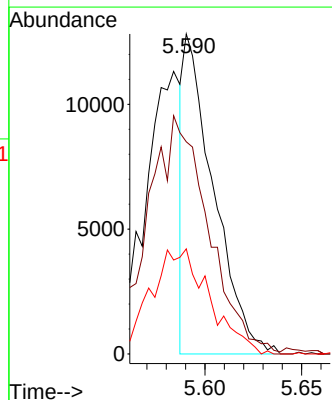
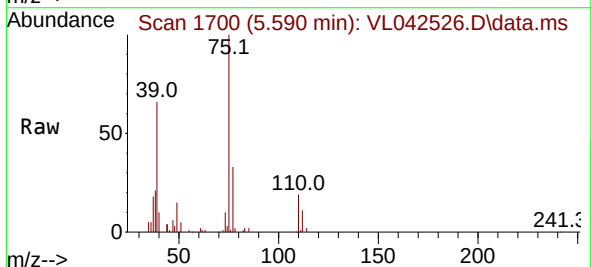
Tgt Ion: 75 Resp: 13720

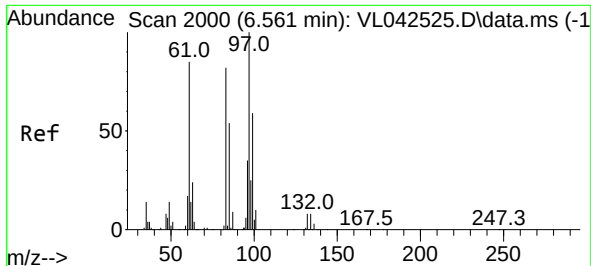
Ion Ratio Lower Upper

75 100

39 65.6 51.2 76.8

77 32.9 25.4 38.0

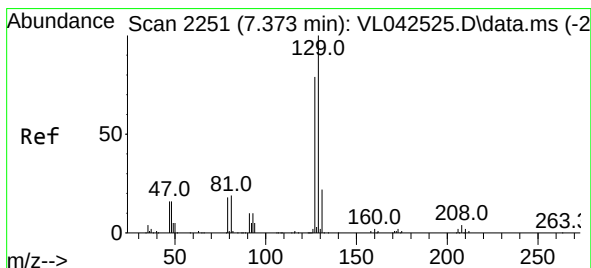
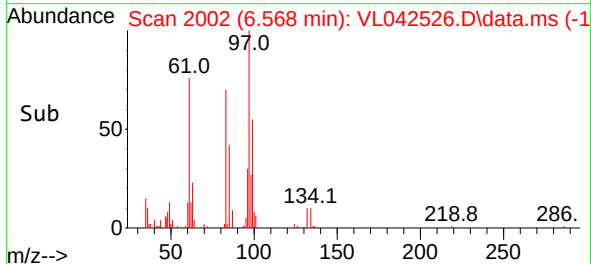
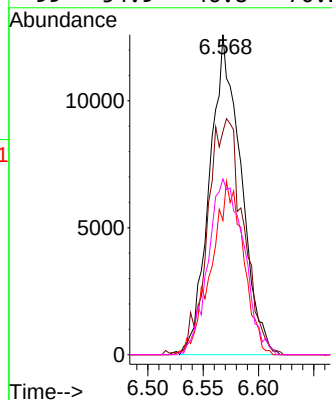
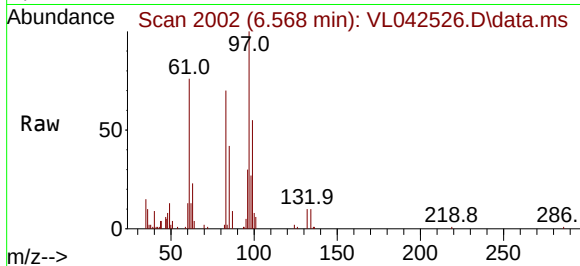




#47
 1,1,2-Trichloroethane
 Concen: 1.976 ppbv
 RT: 6.568 min Scan# 2002
 Delta R.T. 0.007 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

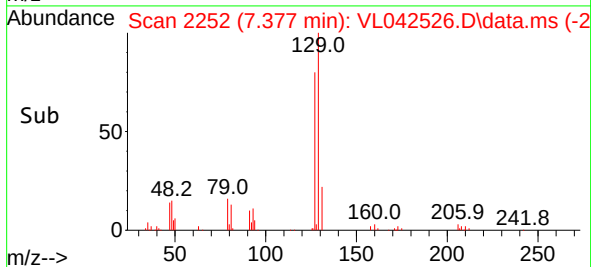
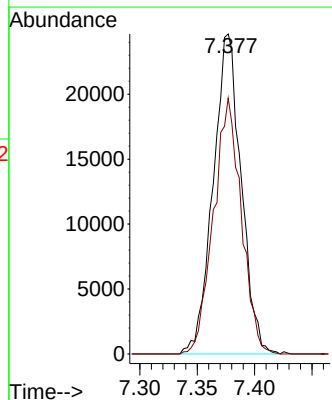
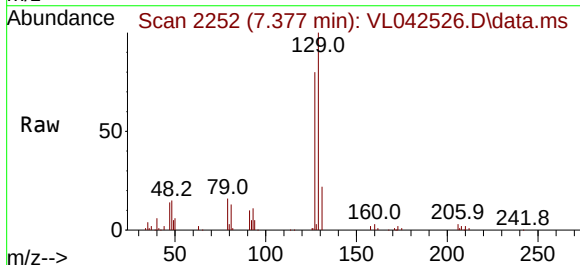
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

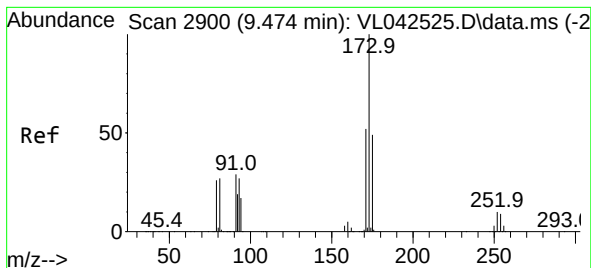
Tgt Ion: 97	Resp: 24759
Ion Ratio	Lower Upper
97 100	
83 69.0	66.0 99.0
85 42.0	42.8 64.2#
99 54.9	46.8 70.2



#48
 Dibromochloromethane
 Concen: 2.000 ppbv
 RT: 7.377 min Scan# 2252
 Delta R.T. 0.003 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

Tgt Ion:129	Resp:	41867	
Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	118.8





#49

Bromoform

Concen: 1.968 ppbv

RT: 9.478 min Scan# 2900

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

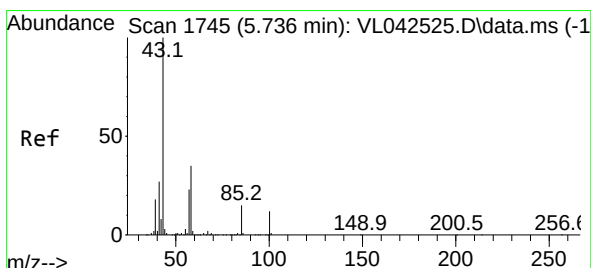
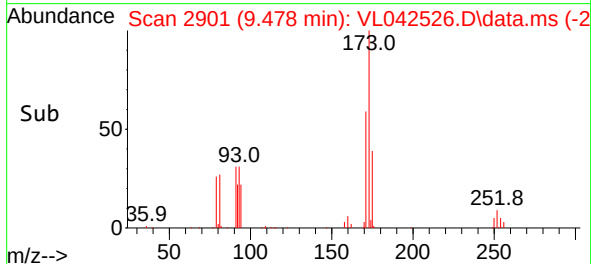
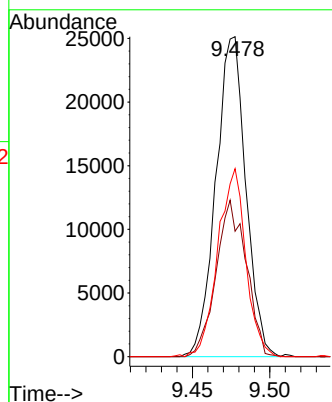
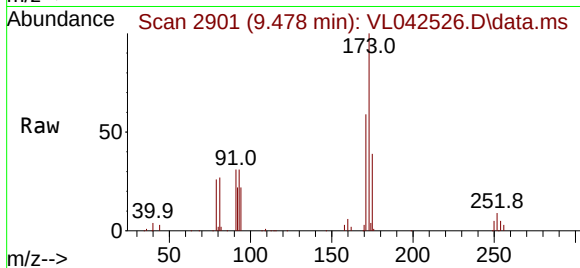
Tgt Ion:173 Resp: 33801

Ion Ratio Lower Upper

173 100

175 49.3 39.1 58.7

171 54.9 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 1.947 ppbv

RT: 5.749 min Scan# 1749

Delta R.T. 0.013 min

Lab File: VL042526.D

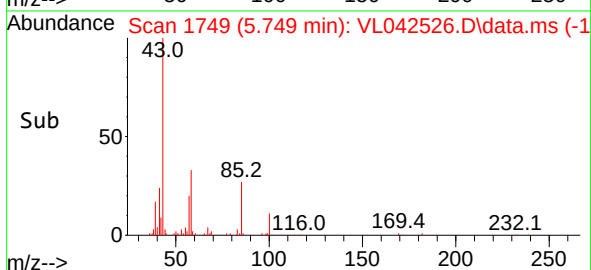
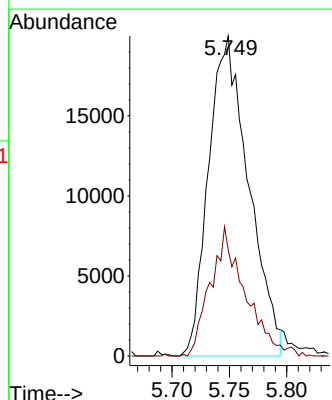
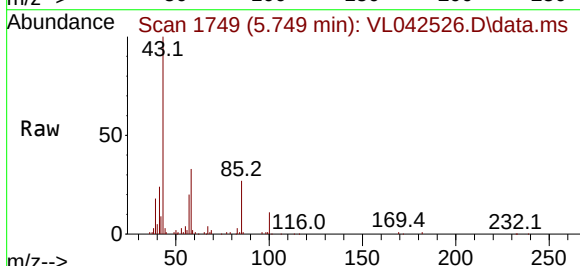
Acq: 12 May 2025 09:33

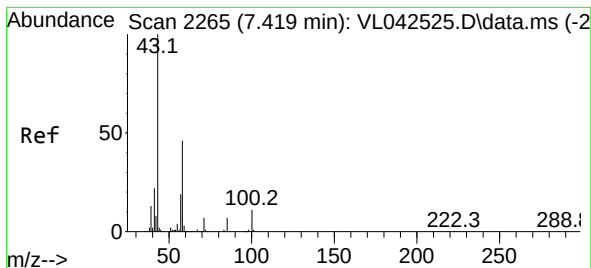
Tgt Ion: 43 Resp: 48553

Ion Ratio Lower Upper

43 100

58 35.1 28.6 42.8





#51

2-Hexanone

Concen: 1.994 ppbv

RT: 7.432 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

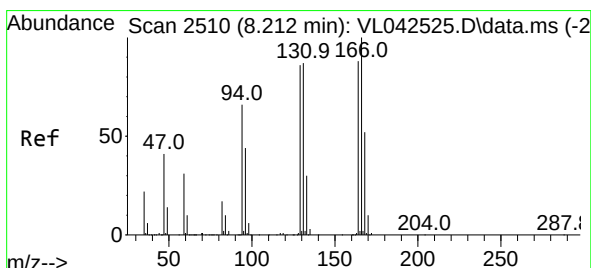
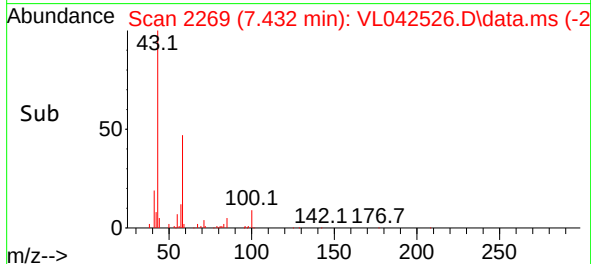
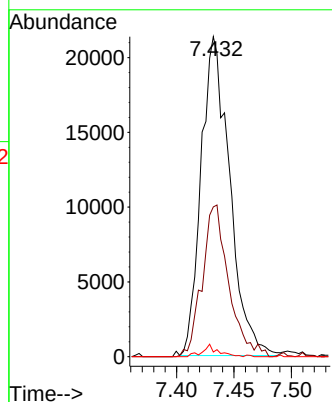
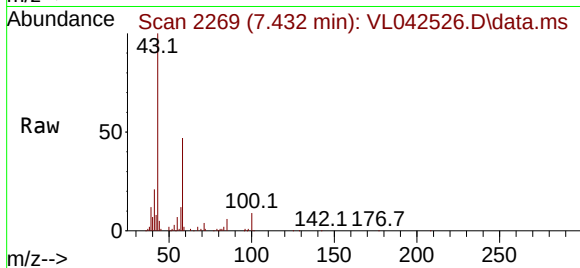
Tgt Ion: 43 Resp: 36951

Ion Ratio Lower Upper

43 100

58 44.8 37.5 56.3

98 2.2 0.9 1.3#



#52

Tetrachloroethene

Concen: 1.854 ppbv

RT: 8.212 min Scan# 2510

Delta R.T. 0.000 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Tgt Ion: 164 Resp: 20417

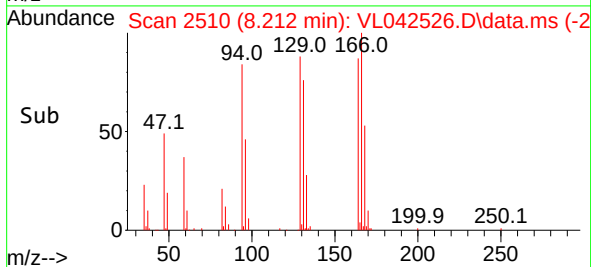
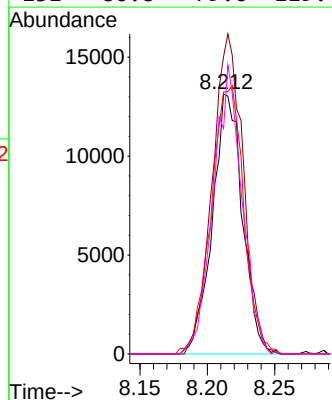
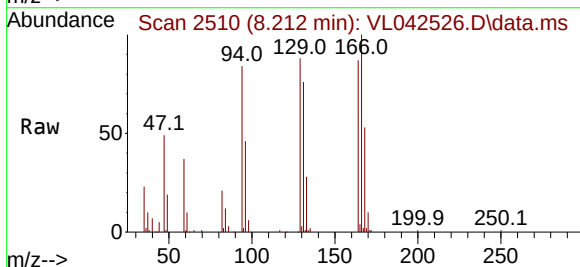
Ion Ratio Lower Upper

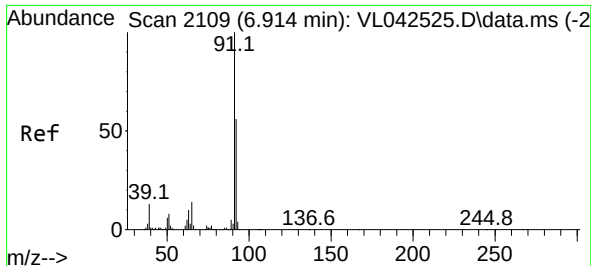
164 100

166 114.5 91.3 136.9

129 100.8 78.9 118.3

131 86.8 79.6 119.4

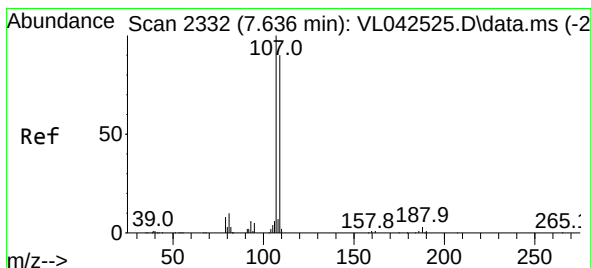
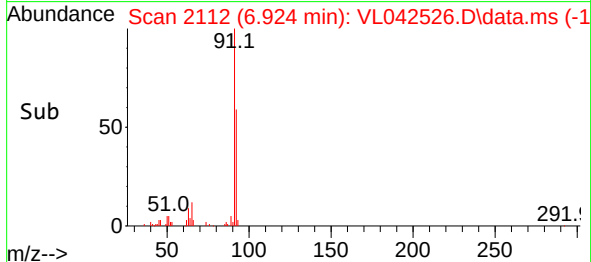
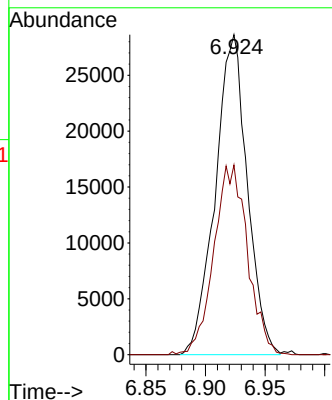
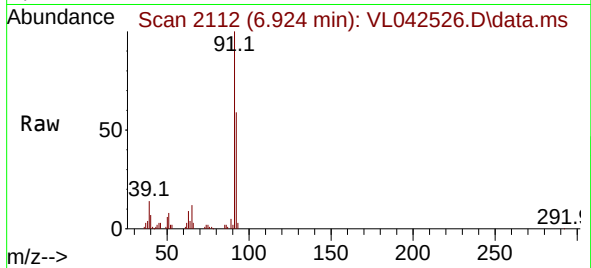




#53
Toluene
Concen: 1.908 ppbv
RT: 6.924 min Scan# 2109
Delta R.T. 0.010 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

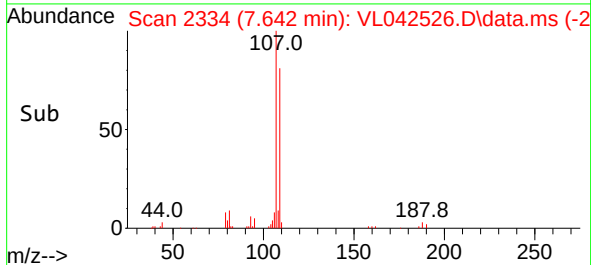
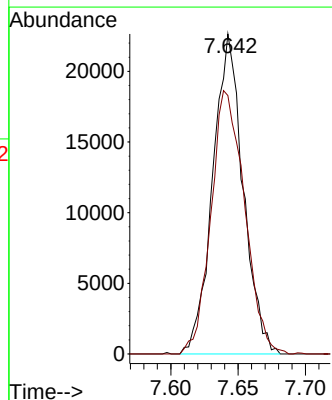
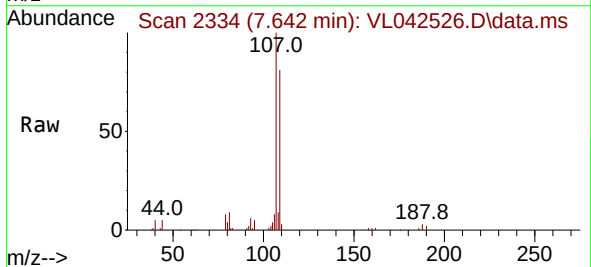
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

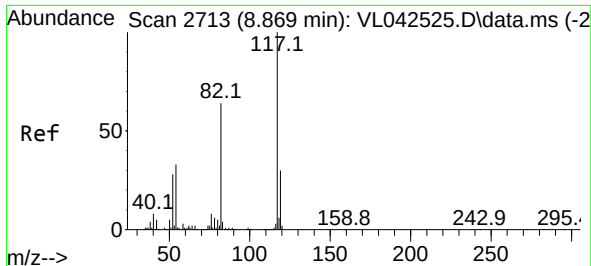
Tgt Ion: 91 Resp: 53508
Ion Ratio Lower Upper
91 100
92 62.4 47.8 71.6



#54
1,2-Dibromoethane
Concen: 1.936 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. 0.007 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 107 Resp: 35440
Ion Ratio Lower Upper
107 100
109 80.7 72.2 108.4

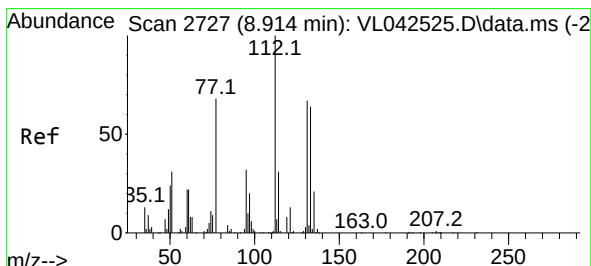
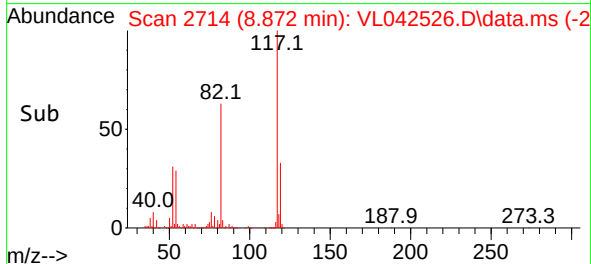
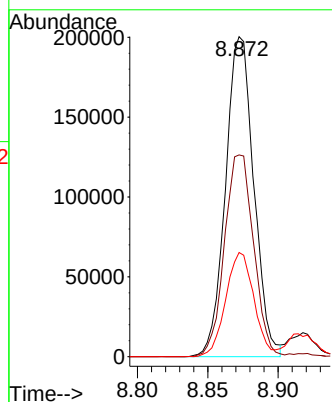
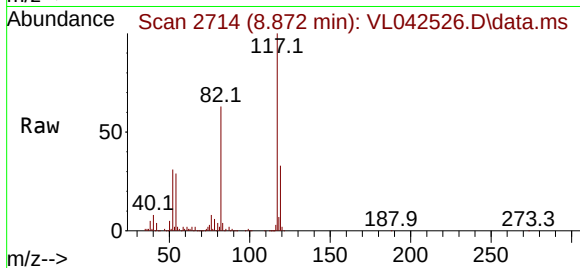




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2117
Delta R.T. 0.004 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

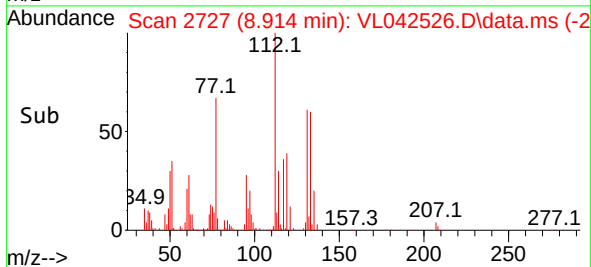
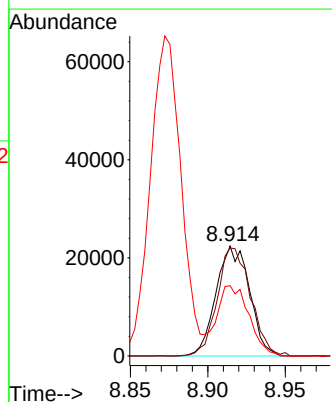
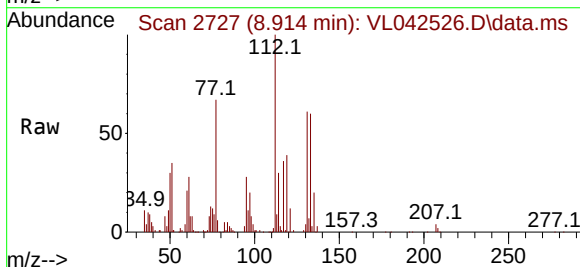
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

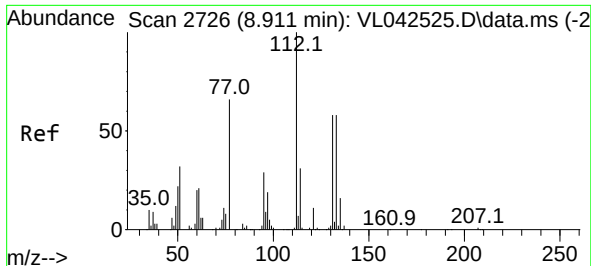
Tgt Ion:117 Resp: 280550
Ion Ratio Lower Upper
117 100
82 65.8 55.0 82.4
119 33.3 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 1.943 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion:131 Resp: 33789
Ion Ratio Lower Upper
131 100
133 97.5 77.4 116.2
119 58.0 49.0 73.4

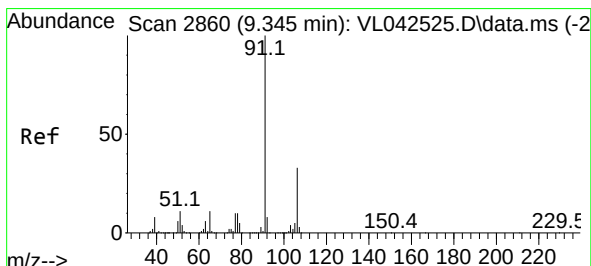
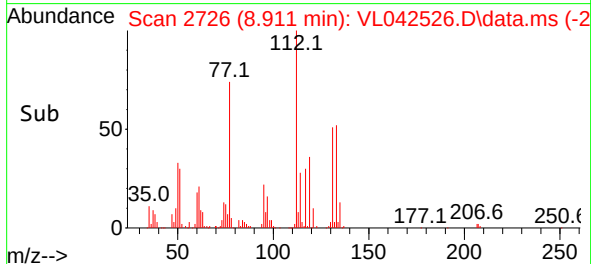
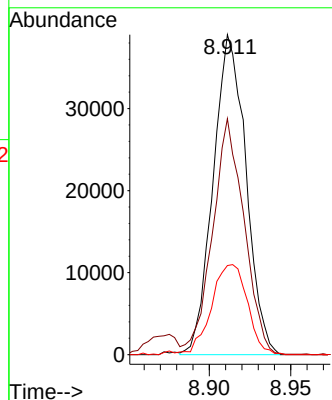
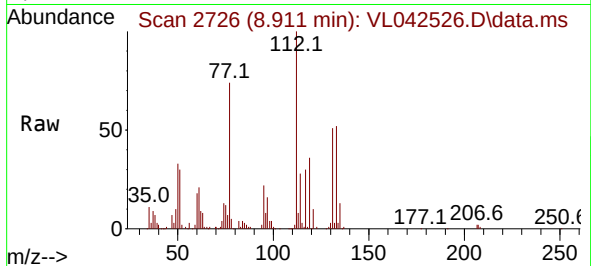




#57
Chlorobenzene
Concen: 1.936 ppbv
RT: 8.911 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

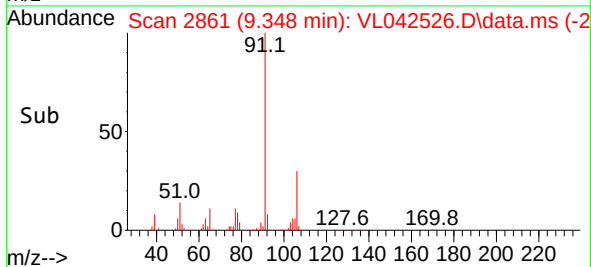
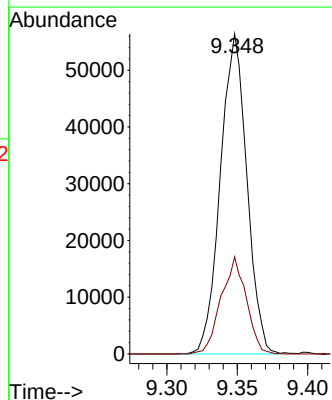
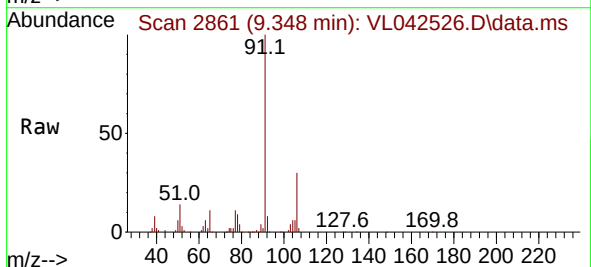
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

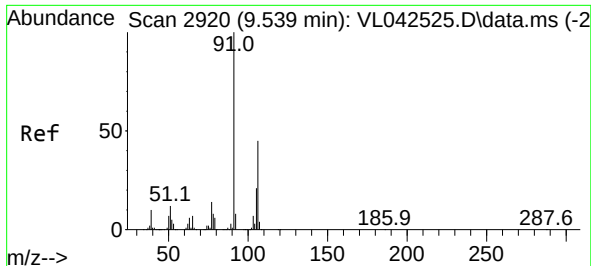
Tgt Ion:112 Resp: 54542
Ion Ratio Lower Upper
112 100
77 73.4 53.6 80.4
114 27.3 28.2 34.4#



#58
Ethyl Benzene
Concen: 1.931 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.004 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 91 Resp: 73830
Ion Ratio Lower Upper
91 100
106 30.3 26.0 39.0





#59

m/p-Xylene

Concen: 2.166 ppbv

RT: 9.542 min Scan# 2920

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

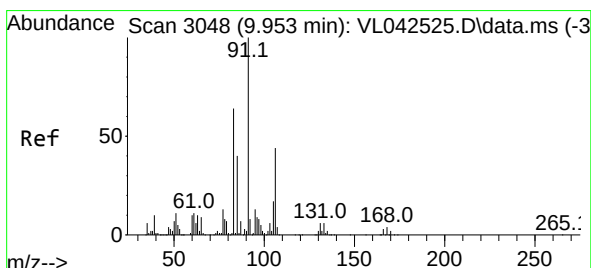
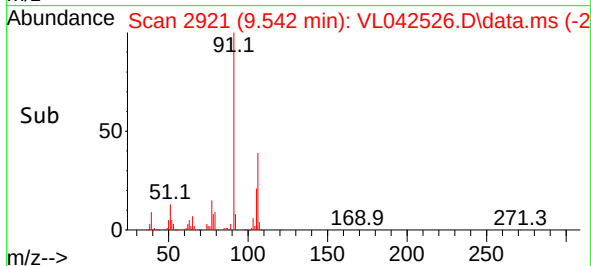
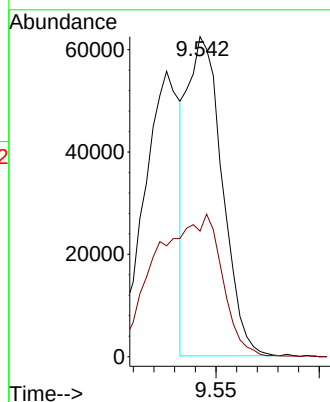
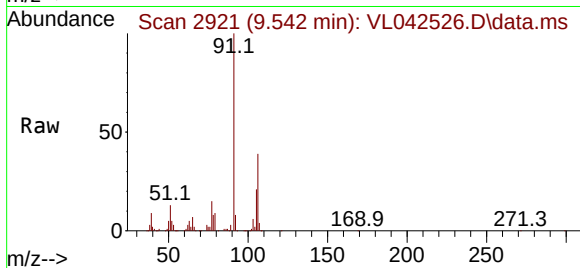
VSTDIC002

Tgt Ion: 91 Resp: 73677

Ion Ratio Lower Upper

91 100

106 85.3 0.0 0.0#



#60

o-Xylene

Concen: 2.085 ppbv

RT: 9.957 min Scan# 3049

Delta R.T. 0.003 min

Lab File: VL042526.D

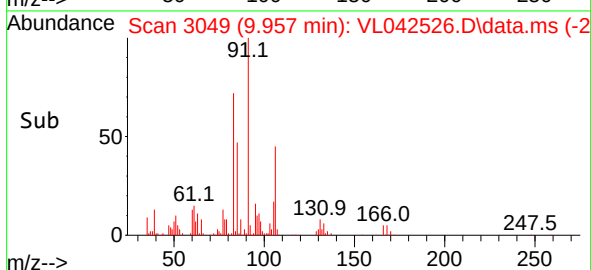
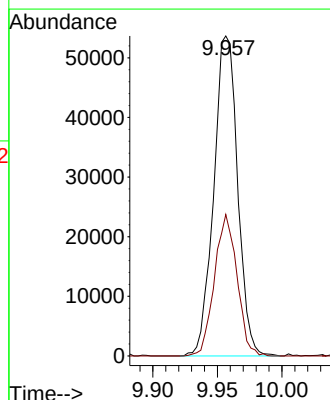
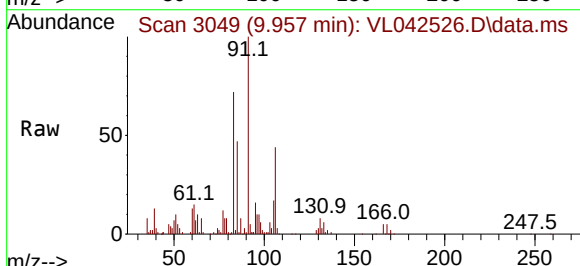
Acq: 12 May 2025 09:33

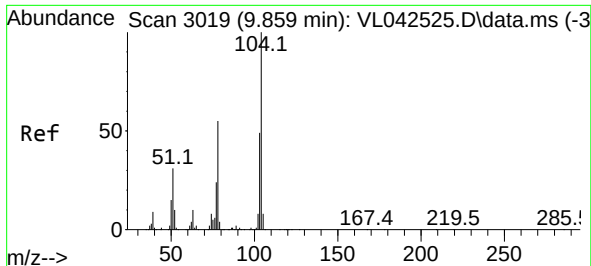
Tgt Ion: 91 Resp: 69105

Ion Ratio Lower Upper

91 100

106 41.7 21.6 64.6

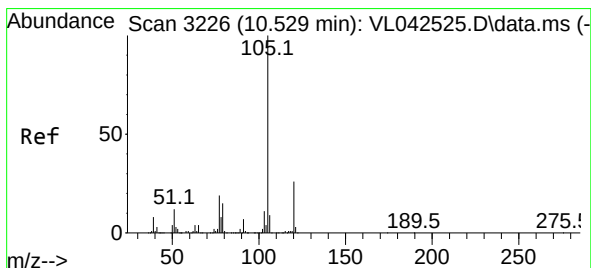
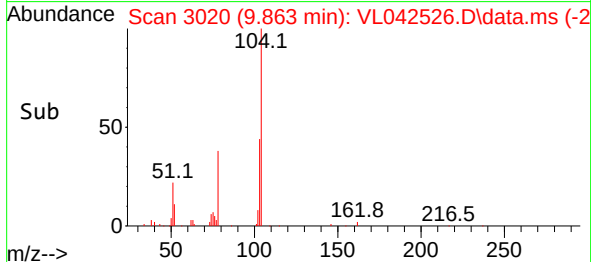
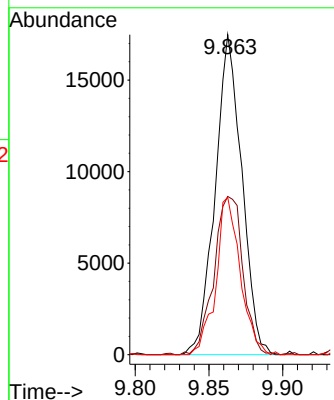
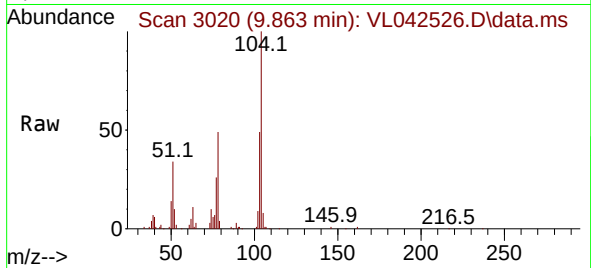




#61
Styrene
Concen: 1.801 ppbv
RT: 9.863 min Scan# 3019
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

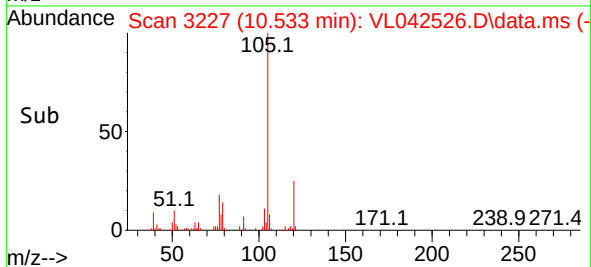
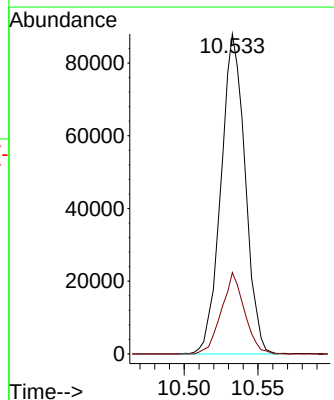
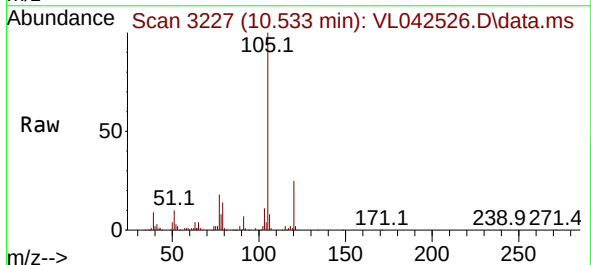
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

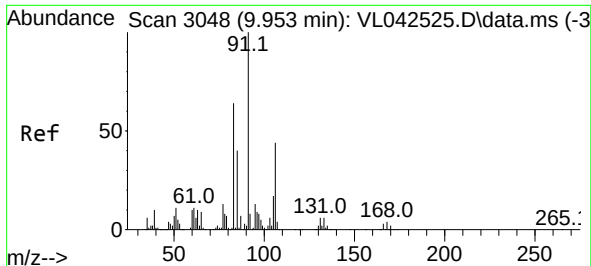
Tgt Ion:104 Resp: 21989
Ion Ratio Lower Upper
104 100
78 53.8 44.7 67.1
103 45.0 38.6 58.0



#62
Isopropylbenzene
Concen: 2.010 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion:105 Resp: 100391
Ion Ratio Lower Upper
105 100
120 24.2 20.1 30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 1.944 ppbv

RT: 9.957 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

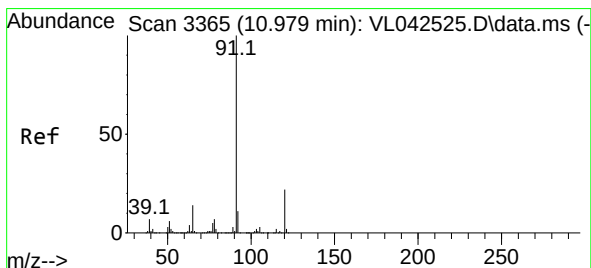
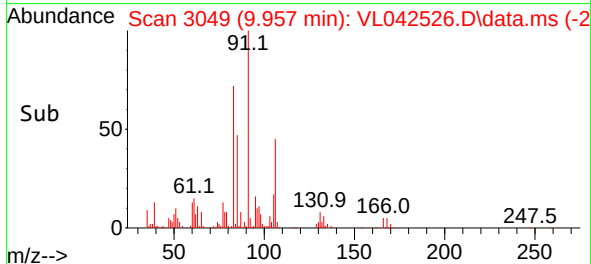
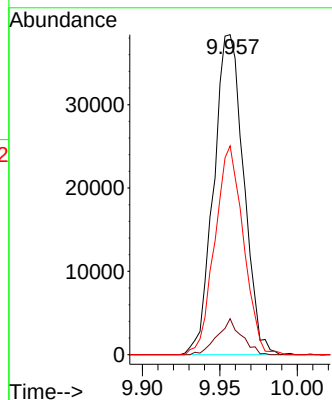
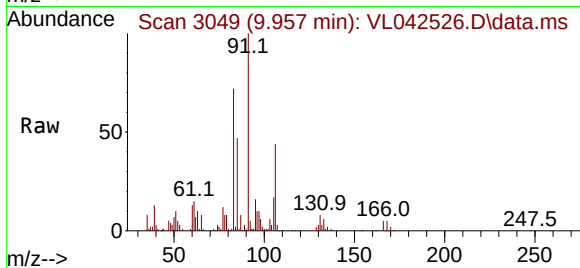
Tgt Ion: 83 Resp: 51679

Ion Ratio Lower Upper

83 100

131 9.0 4.9 14.7

85 62.3 32.3 96.8



#64

n-propylbenzene

Concen: 2.042 ppbv

RT: 10.983 min Scan# 3366

Delta R.T. 0.003 min

Lab File: VL042526.D

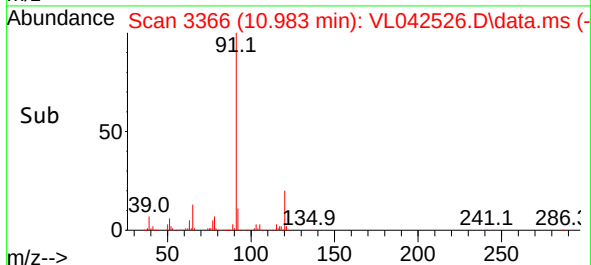
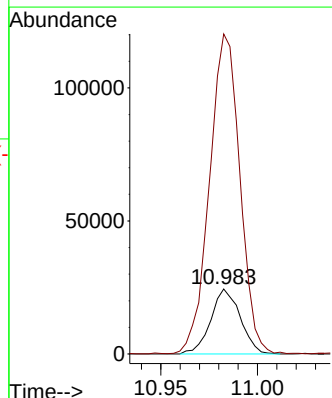
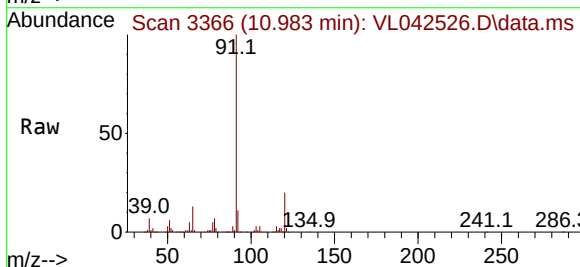
Acq: 12 May 2025 09:33

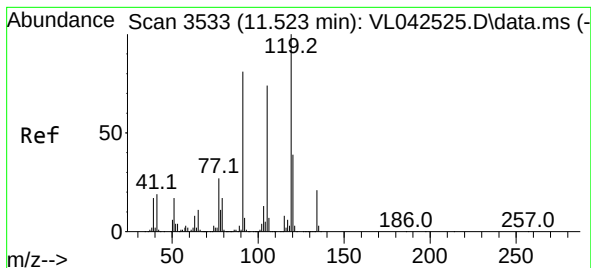
Tgt Ion: 120 Resp: 25847

Ion Ratio Lower Upper

120 100

91 508.7 377.7 566.5





#65

tert-Butylbenzene

Concen: 2.170 ppbv

RT: 11.526 min Scan# 3533

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

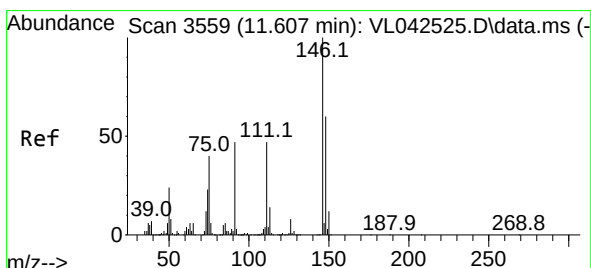
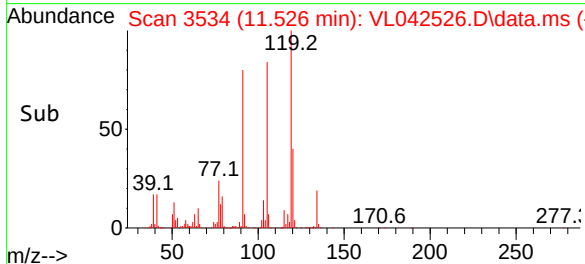
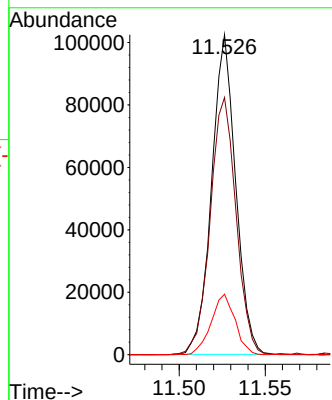
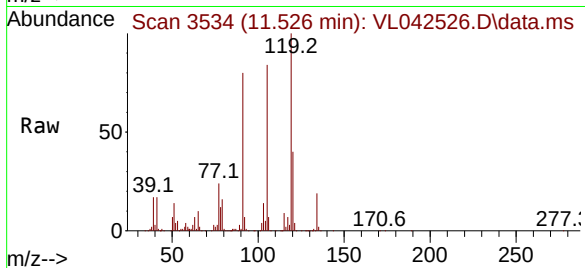
Tgt Ion:119 Resp: 99543

Ion Ratio Lower Upper

119 100

91 86.6 66.6 99.8

134 18.9 16.3 24.5



#66

Benzyl Chloride

Concen: 1.829 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

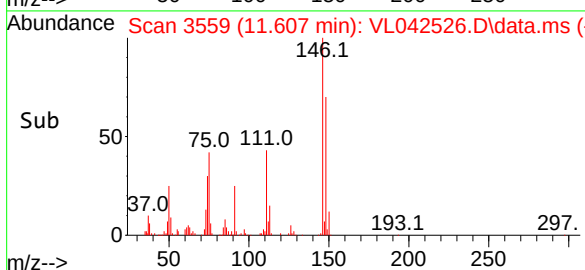
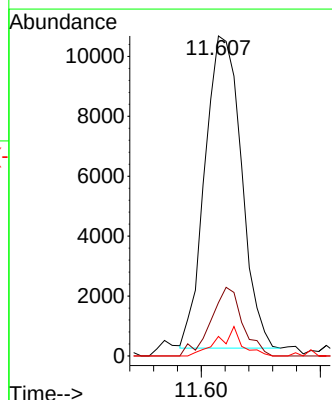
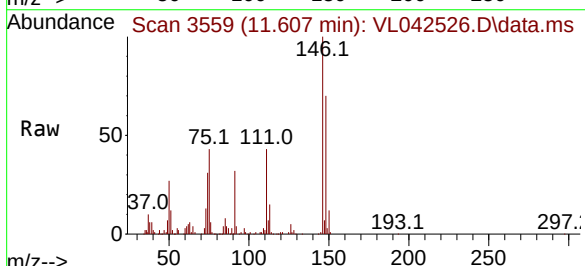
Tgt Ion: 91 Resp: 11099

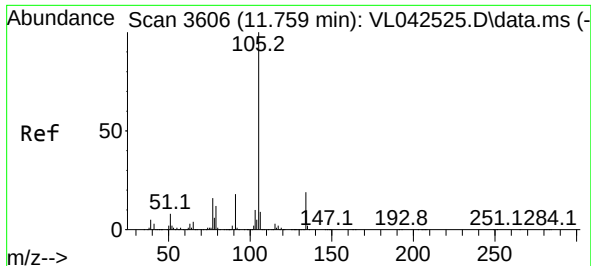
Ion Ratio Lower Upper

91 100

126 19.0 13.7 20.5

128 6.1 4.2 6.2

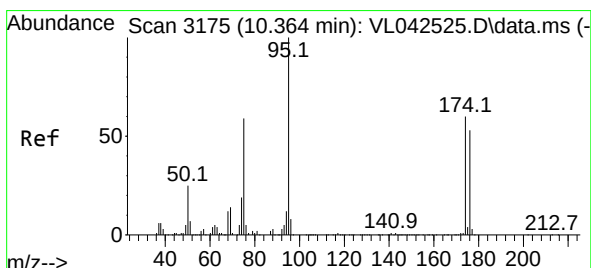
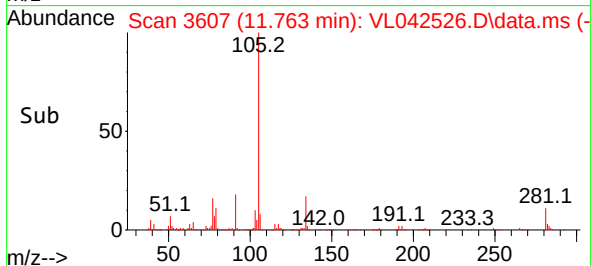
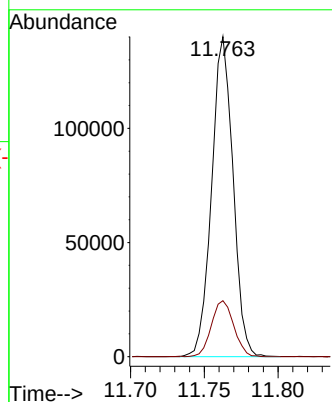
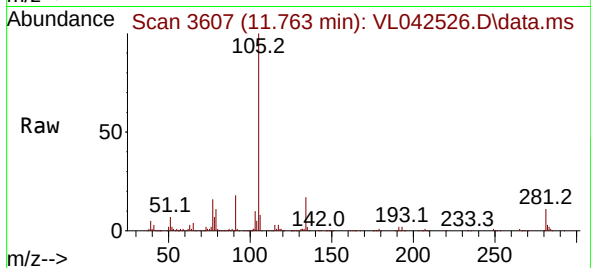




#67
 sec-Butylbenzene
 Concen: 2.148 ppbv
 RT: 11.763 min Scan# 3607
 Delta R.T. 0.004 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

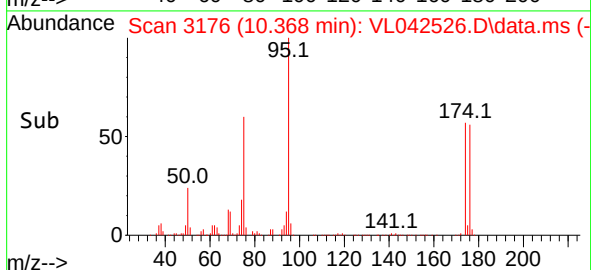
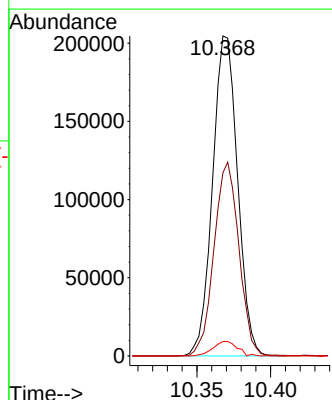
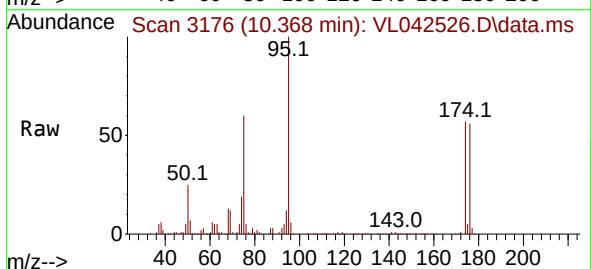
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

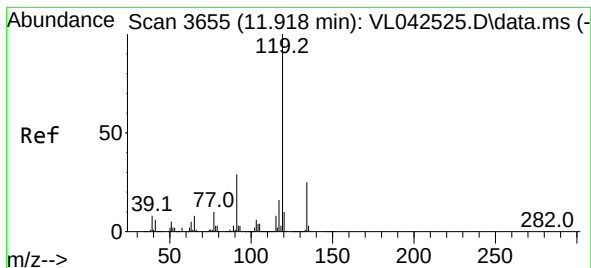
Tgt Ion:105 Resp: 141237
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.887 ppbv
 RT: 10.368 min Scan# 3176
 Delta R.T. 0.003 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

Tgt Ion: 95 Resp: 241358
 Ion Ratio Lower Upper
 95 100
 174 60.6 48.0 72.0
 175 4.5 3.5 5.3





#69

p-Isopropyltoluene

Concen: 2.167 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. 0.004 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

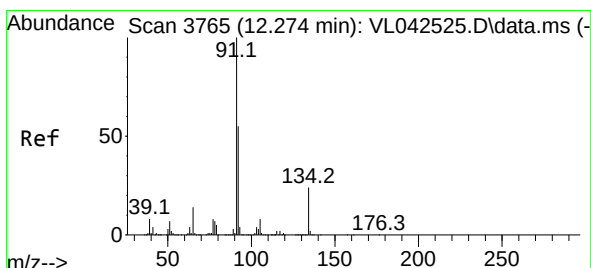
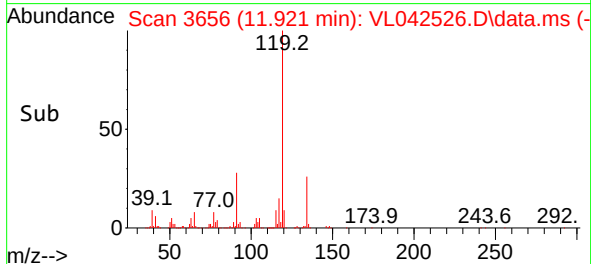
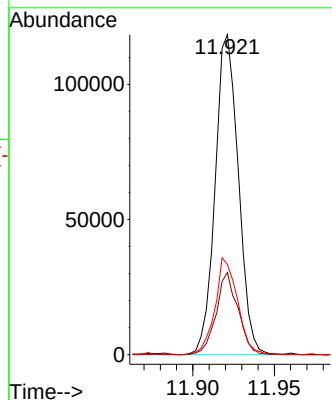
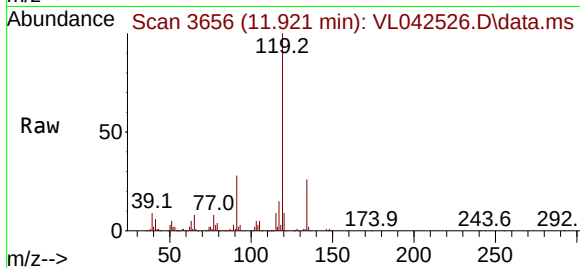
Tgt Ion:119 Resp: 117152

Ion Ratio Lower Upper

119 100

134 24.5 19.8 29.6

91 29.3 23.6 35.4



#70

n-Butylbenzene

Concen: 2.214 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

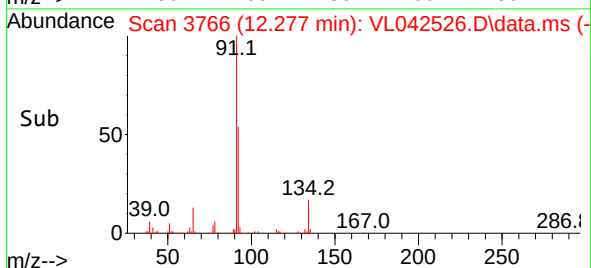
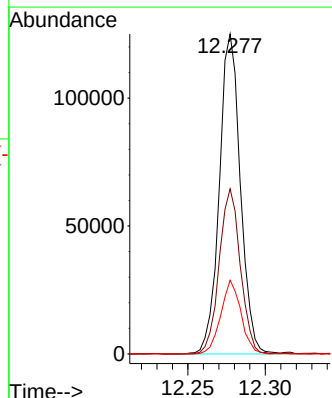
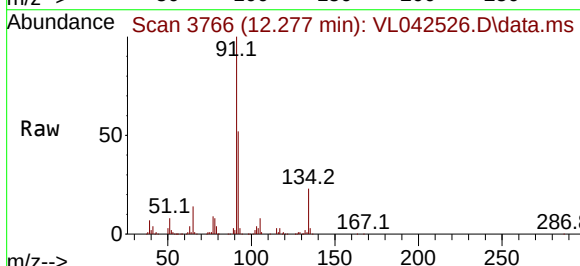
Tgt Ion: 91 Resp: 118263

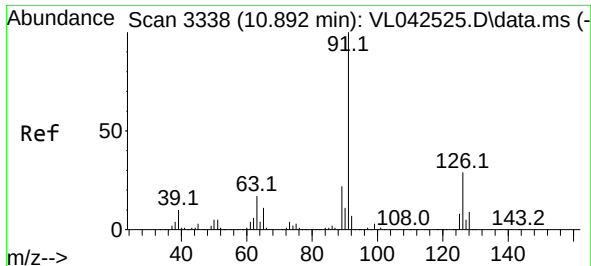
Ion Ratio Lower Upper

91 100

92 51.9 43.7 65.5

134 22.2 18.9 28.3

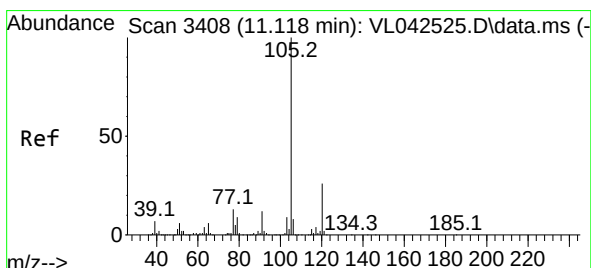
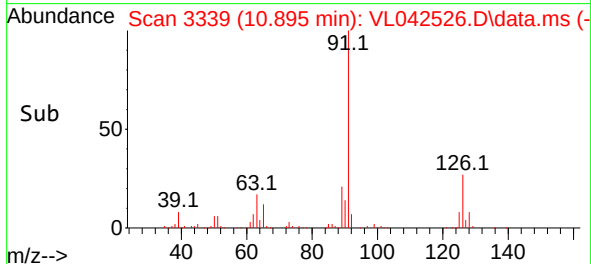
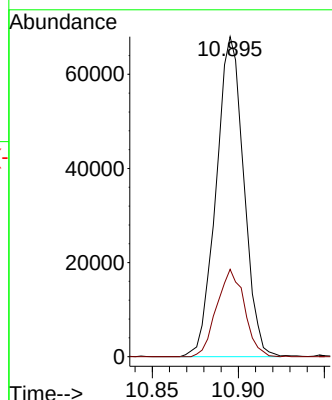
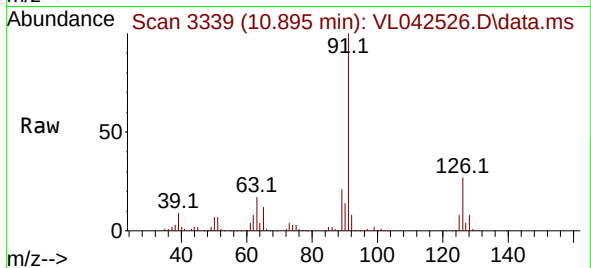




#71
2-Chlorotoluene
Concen: 2.008 ppbv
RT: 10.895 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

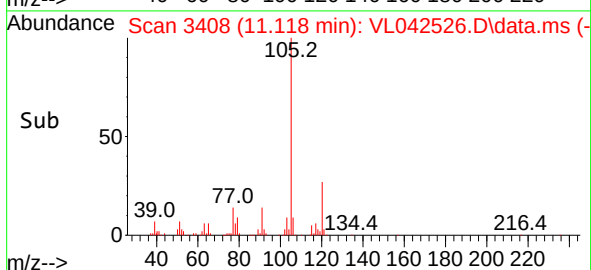
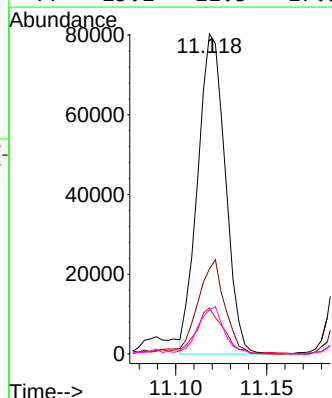
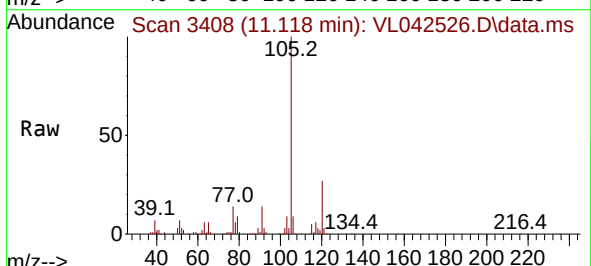
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

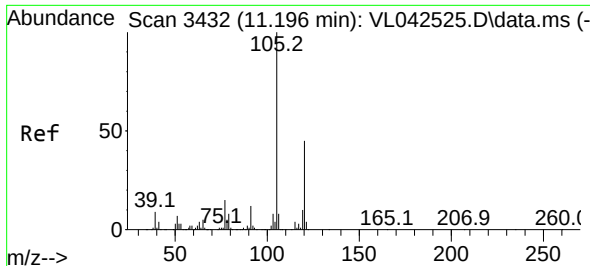
Tgt Ion: 91 Resp: 75933
Ion Ratio Lower Upper
91 100
126 27.3 11.4 45.6



#72
4-Ethyltoluene
Concen: 2.057 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. 0.000 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion: 105 Resp: 84650
Ion Ratio Lower Upper
105 100
120 30.2 22.9 34.3
91 15.7 10.9 16.3
77 15.1 11.5 17.3

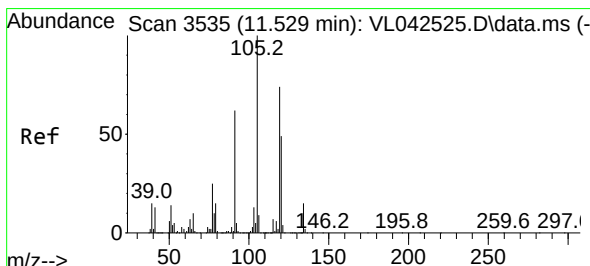
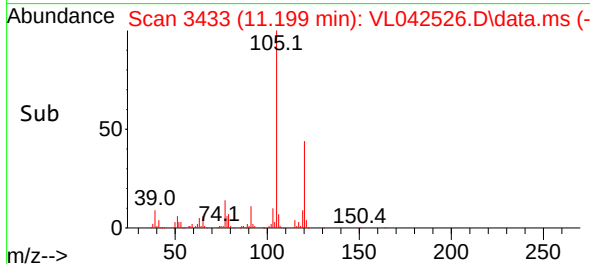
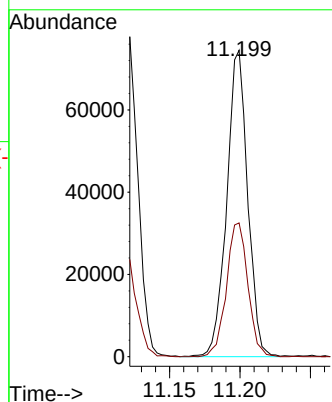
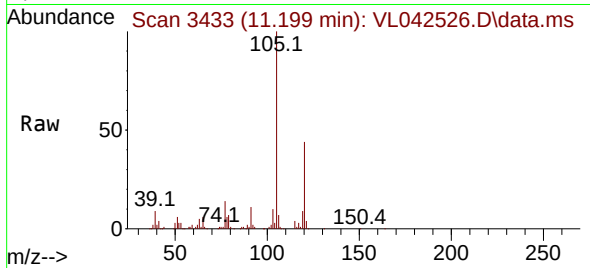




#73
1,3,5-Trimethylbenzene
Concen: 2.152 ppbv
RT: 11.199 min Scan# 3432
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

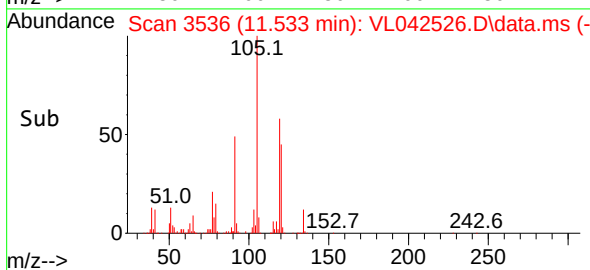
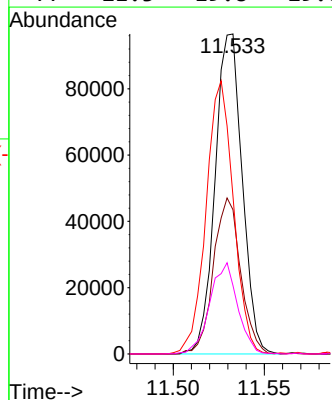
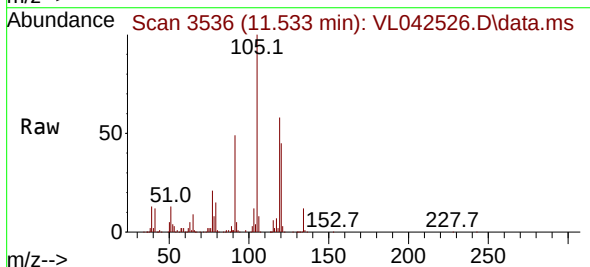
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

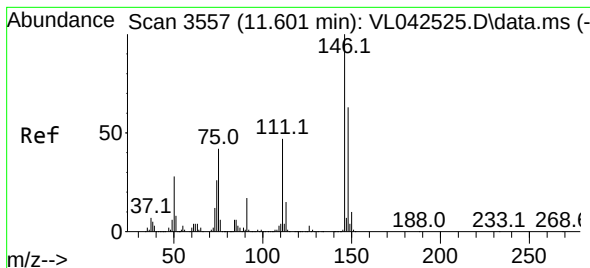
Tgt Ion:105 Resp: 77135
Ion Ratio Lower Upper
105 100
120 43.6 36.0 54.0



#74
1,2,4-Trimethylbenzene
Concen: 2.271 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion:105 Resp: 100144
Ion Ratio Lower Upper
105 100
120 44.9 39.0 58.6
91 48.8 49.4 74.2#
77 21.3 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 2.021 ppbv

RT: 11.601 min Scan# 3557

Delta R.T. 0.000 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC002

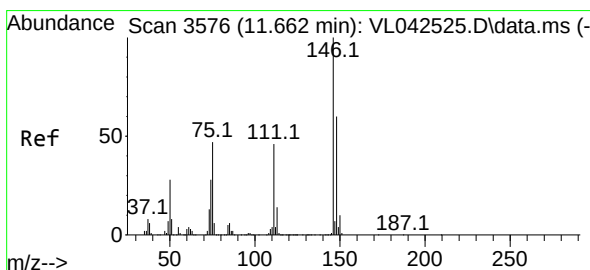
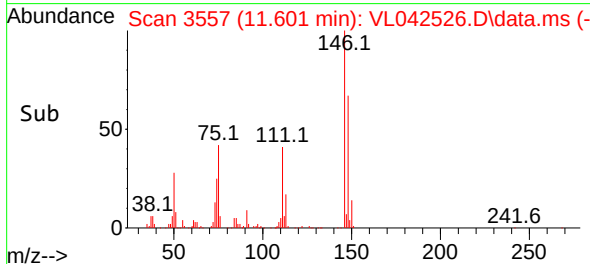
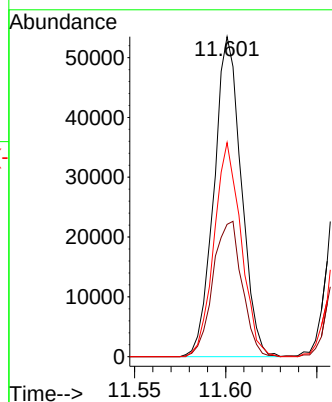
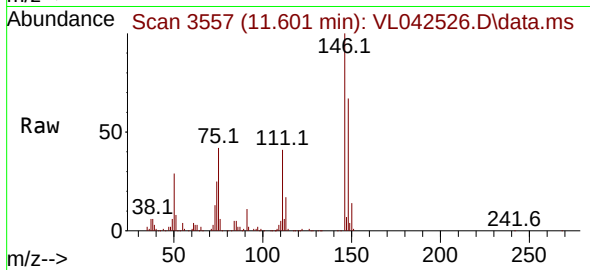
Tgt Ion:146 Resp: 55802

Ion Ratio Lower Upper

146 100

111 45.0 23.6 71.0

148 66.2 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 2.068 ppbv

RT: 11.665 min Scan# 3577

Delta R.T. 0.003 min

Lab File: VL042526.D

Acq: 12 May 2025 09:33

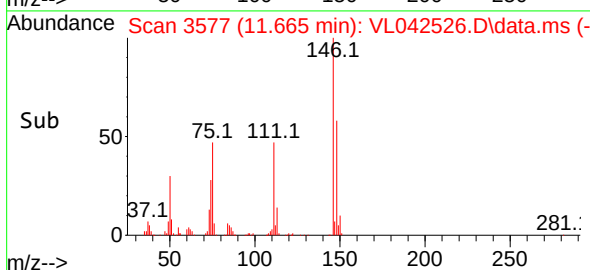
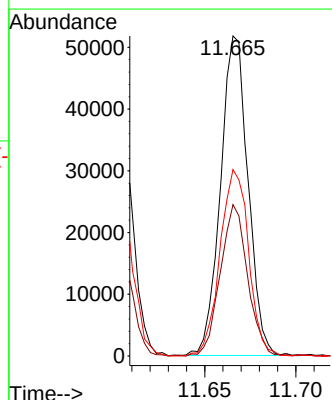
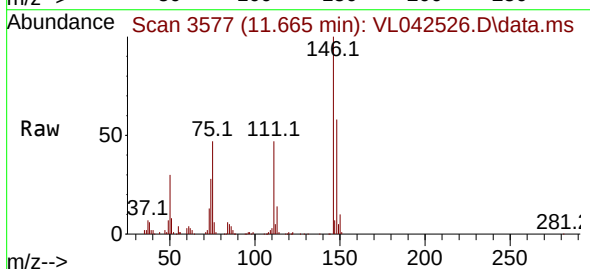
Tgt Ion:146 Resp: 54323

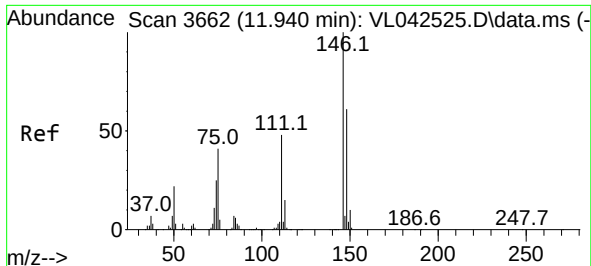
Ion Ratio Lower Upper

146 100

111 47.1 23.4 70.3

148 60.8 31.6 94.7

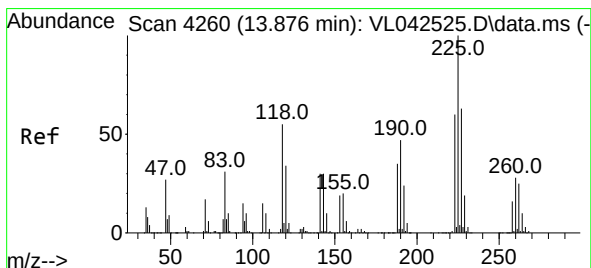
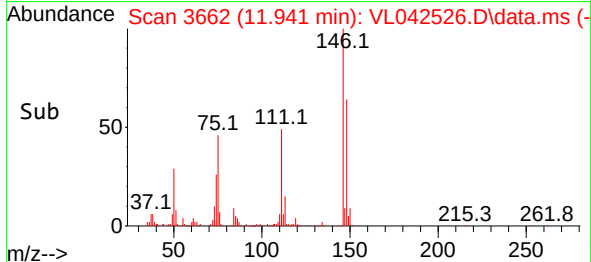
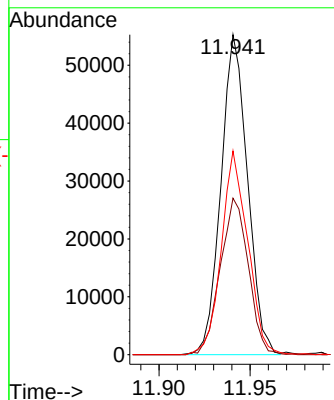
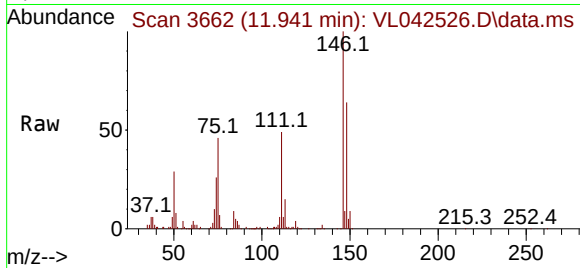




#77
 1,2-Dichlorobenzene
 Concen: 1.961 ppbv
 RT: 11.941 min Scan# 3662
 Delta R.T. 0.000 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

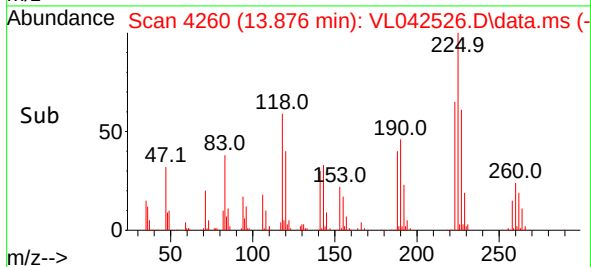
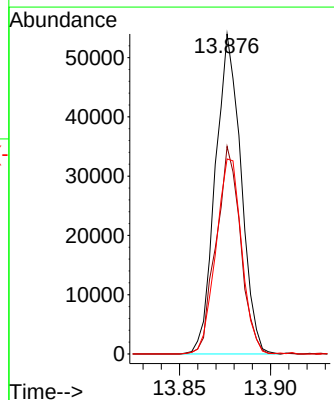
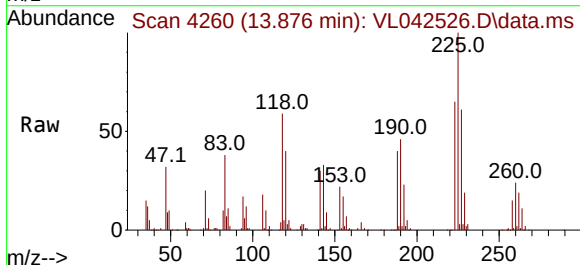
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

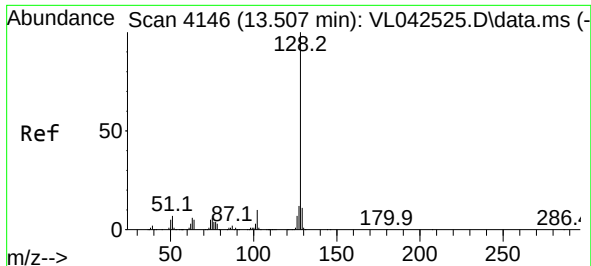
Tgt Ion:146 Resp: 55926
 Ion Ratio Lower Upper
 146 100
 111 51.6 24.9 74.8
 148 63.3 31.4 94.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.157 ppbv
 RT: 13.876 min Scan# 4260
 Delta R.T. 0.000 min
 Lab File: VL042526.D
 Acq: 12 May 2025 09:33

Tgt Ion:225 Resp: 52757
 Ion Ratio Lower Upper
 225 100
 223 61.9 50.8 76.2
 227 61.5 50.5 75.7

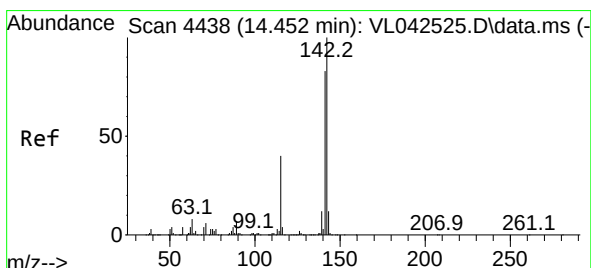
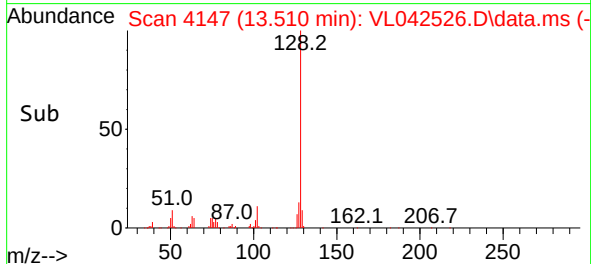
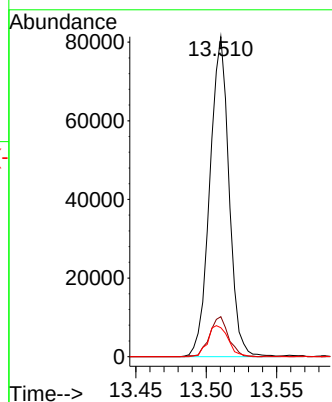
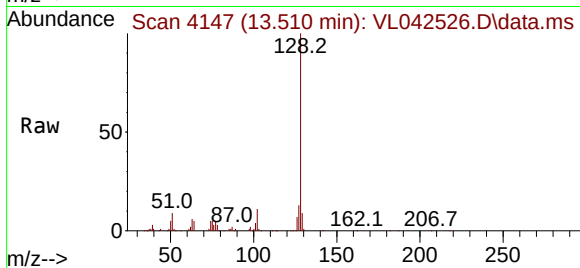




#79
Naphthalene
Concen: 2.544 ppbv
RT: 13.510 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

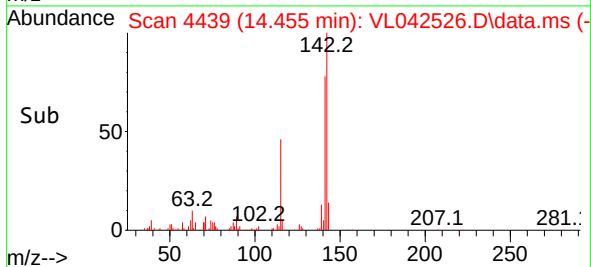
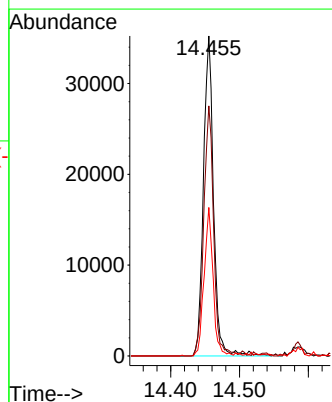
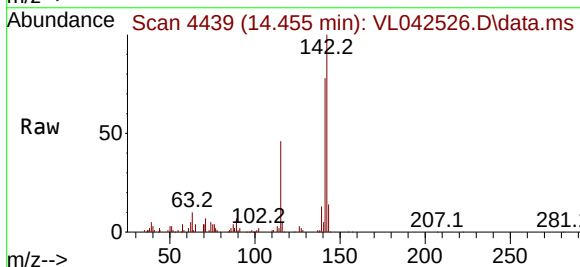
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

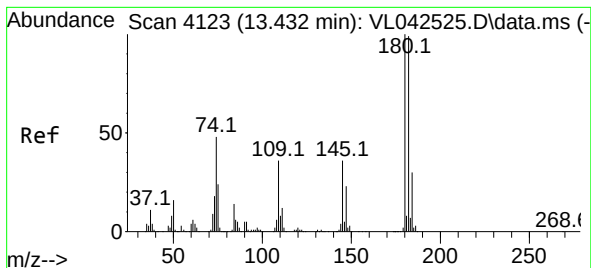
Tgt Ion:128 Resp: 77440
Ion Ratio Lower Upper
128 100
127 12.5 9.8 14.8
129 9.0 8.6 12.8



#80
Naphthalene,2-methyl-
Concen: 2.030 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL042526.D
Acq: 12 May 2025 09:33

Tgt Ion:142 Resp: 35955
Ion Ratio Lower Upper
142 100
141 76.7 66.8 100.2
115 41.3 33.0 49.6





#81

1,2,4-Trichlorobenzene

Concen: 2.294 ppbv

RT: 13.436 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042526.D

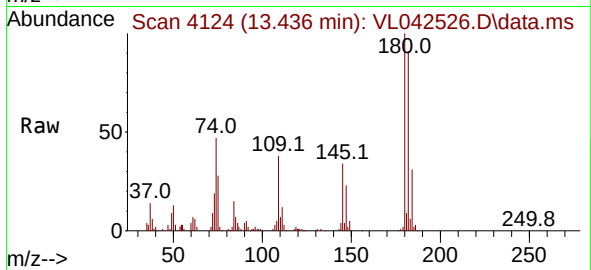
Acq: 12 May 2025 09:33

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002



Tgt Ion:180 Resp: 42643

Ion Ratio Lower Upper

180 100

182 92.9 76.6 114.8

184 29.8 24.6 36.8

