

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043206.D
 Acq On : 18 Nov 2025 11:10
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Nov 19 00:51:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	102795	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	278732	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	227998	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	167061	9.996	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	15474	1.067	ppbv	100
3) Chlorodifluoromethane	1.476	51	14437	1.013	ppbv #	92
4) Chloromethane	1.531	50	5751	1.061	ppbv	92
5) Vinyl Chloride	1.580	62	5967	1.007	ppbv	95
6) Bromomethane	1.667	94	3104	1.080	ppbv	94
7) Chloroethane	1.706	64	2550	1.104	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	12759	1.058	ppbv	98
9) Propene	1.483	41	6147	0.929	ppbv #	1
10) Heptane	4.972	43	18544	1.022	ppbv	100
11) Trichlorofluoromethane	1.877	101	15571	1.108	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	11743	1.071	ppbv	99
13) Ethanol	1.719	45	2373	1.115	ppbv	67
14) Bromoethene	1.780	108	4345	1.033	ppbv #	91
15) Acetone	1.835	43	16353	1.145	ppbv	90
16) 1,3-Butadiene	1.609	39	6469	1.016	ppbv	96
17) tert-Butyl alcohol	2.039	59	20703	1.104	ppbv #	92
18) 1,1-Dichloroethene	2.033	96	5447	1.067	ppbv	97
19) Isopropyl Alcohol	1.884	45	8849	1.097	ppbv #	43
20) Methylene Chloride	2.059	84	7297	1.030	ppbv	85
21) Allyl Chloride	2.094	41	9198	0.957	ppbv #	84
22) trans-1,2-Dichloroethene	2.340	96	6313	1.082	ppbv	94
23) Vinyl Acetate	2.460	43	16779	0.973	ppbv	98
24) 1,1-Dichloroethane	2.405	63	12062	1.071	ppbv	94
25) Ethyl Acetate	2.832	43	32108	1.041	ppbv	98
26) Hexane	2.819	57	14639	1.084	ppbv	99
27) Carbon Disulfide	2.149	76	14637	1.062	ppbv #	30
28) Methyl tert-Butyl Ether	2.441	73	7236	1.092	ppbv #	83
29) Chloroform	2.845	83	19509	1.016	ppbv	91
30) Cyclohexane	3.852	84	12269	1.084	ppbv	96
31) cis-1,2-Dichloroethene	2.716	61	13889	1.035	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	20745	1.005	ppbv	99
34) 2-Butanone	2.554	43	20940	1.064	ppbv	96
35) Carbon Tetrachloride	3.758	117	21497	1.016	ppbv	96
36) Benzene	3.648	78	27911	1.046	ppbv	99
37) 1,2-Dichloroethane	3.214	62	16159	1.035	ppbv	99
38) Trichloroethene	4.544	130	4331	0.414	ppbv	94
39) 1,2-Dichloropropane	4.311	63	10147	1.039	ppbv	91
40) 1,4-Dioxane	4.577	88	1369	0.312	ppbv #	1
41) Tetrahydrofuran	3.052	42	11176	1.029	ppbv	96
42) Bromodichloromethane	4.480	83	22150	1.028	ppbv #	98
43) Methyl Methacrylate	4.871	69	14821	1.046	ppbv	94
44) 2,2,4-Trimethylpentane	4.632	57	30372	0.662	ppbv #	60
45) t-1,3-Dichloropropene	6.402	75	8750	0.663	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
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 Acq On : 18 Nov 2025 11:10
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

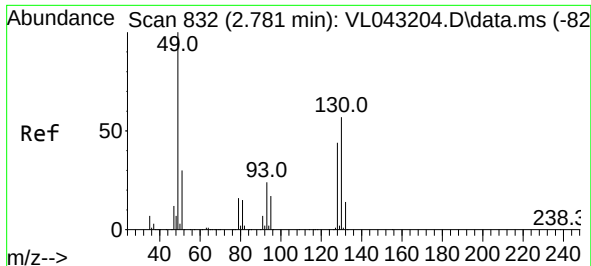
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	15527	1.001	ppbv #	95
47) 1,1,2-Trichloroethane	6.577	97	10369	0.995	ppbv #	85
48) Dibromochloromethane	7.377	129	18560	1.041	ppbv	93
49) Bromoform	9.477	173	15858	1.004	ppbv	98
50) 4-Methyl-2-Pentanone	5.745	43	29560	1.067	ppbv	99
51) 2-Hexanone	7.428	43	22438	1.043	ppbv #	98
52) Tetrachloroethene	8.215	164	10080	1.015	ppbv	90
53) Toluene	6.923	91	32951	1.036	ppbv	100
54) 1,2-Dibromoethane	7.645	107	15865	1.040	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.917	131	17535	1.046	ppbv	99
57) Chlorobenzene	8.914	112	24806	1.060	ppbv	98
58) Ethyl Benzene	9.344	91	46455	1.059	ppbv	96
59) m/p-Xylene	9.545	91	32159	0.911	ppbv #	31
60) o-Xylene	9.956	91	37054	1.054	ppbv	97
61) Styrene	9.866	104	15730	1.023	ppbv	95
62) Isopropylbenzene	10.532	105	67163	1.068	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	23083	1.035	ppbv	97
64) n-propylbenzene	10.985	120	17289	1.070	ppbv	100
65) tert-Butylbenzene	11.526	119	61258	1.091	ppbv	99
66) Benzyl Chloride	11.610	91	5729	1.005	ppbv	96
67) sec-Butylbenzene	11.762	105	84989	1.084	ppbv	99
69) p-Isopropyltoluene	11.921	119	69993	1.054	ppbv	99
70) n-Butylbenzene	12.277	91	69323	1.076	ppbv	99
71) 2-Chlorotoluene	10.895	91	51452	1.065	ppbv	100
72) 4-Ethyltoluene	11.118	105	44403	1.037	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	38350	1.068	ppbv	91
74) 1,2,4-Trimethylbenzene	11.532	105	42051	1.073	ppbv #	81
75) 1,3-Dichlorobenzene	11.600	146	24011	1.050	ppbv	98
76) 1,4-Dichlorobenzene	11.665	146	23543	1.029	ppbv	97
77) 1,2-Dichlorobenzene	11.940	146	24248	1.103	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	20489	1.116	ppbv	99
79) Naphthalene	13.507	128	36462	1.047	ppbv	95
80) Naphthalene,2-methyl-	14.455	142	7375	0.807	ppbv	95
81) 1,2,4-Trichlorobenzene	13.436	180	15785	1.014	ppbv	98

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

Quant Time: Nov 19 00:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

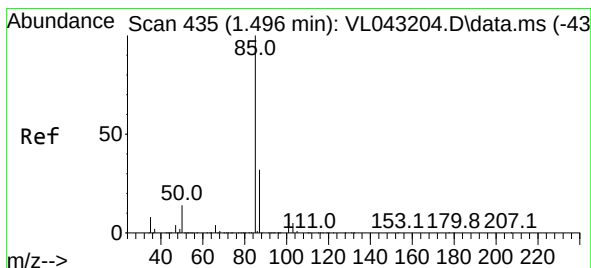
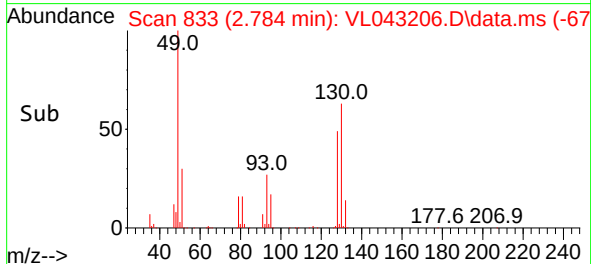
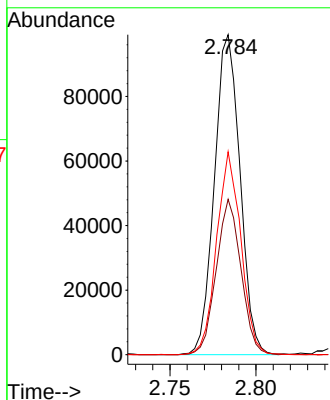
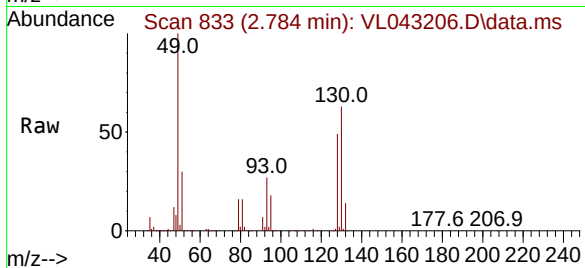




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 832
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

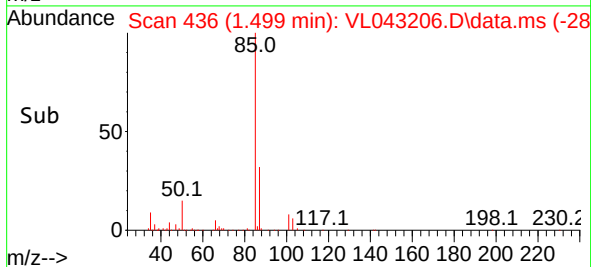
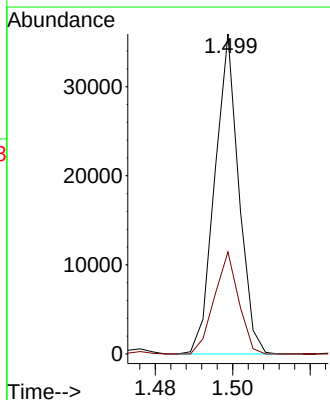
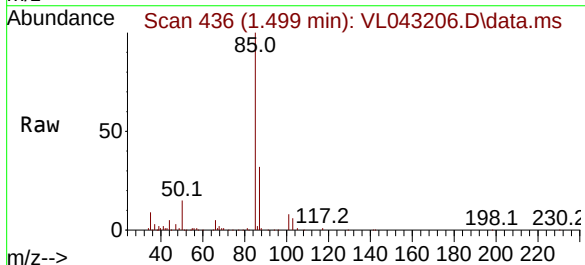
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

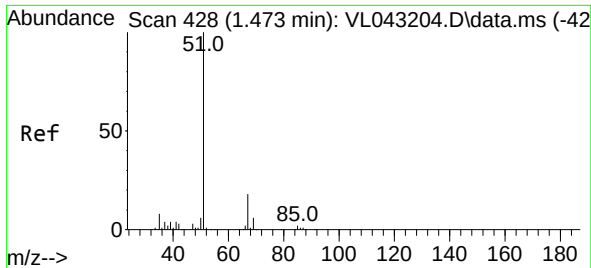
Tgt Ion: 49 Resp: 102795
Ion Ratio Lower Upper
49 100
128 46.9 23.0 69.0
130 60.1 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 1.067 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 85 Resp: 15474
Ion Ratio Lower Upper
85 100
87 31.9 25.4 38.2

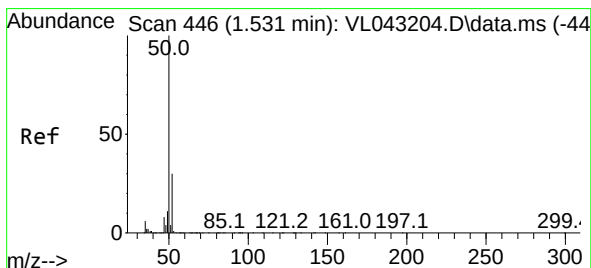
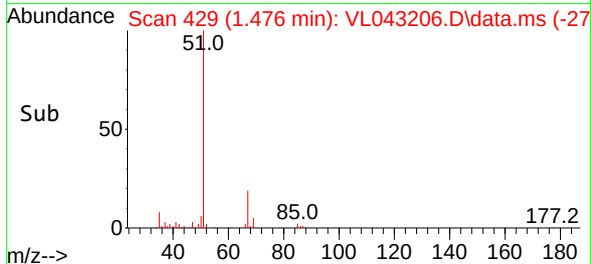
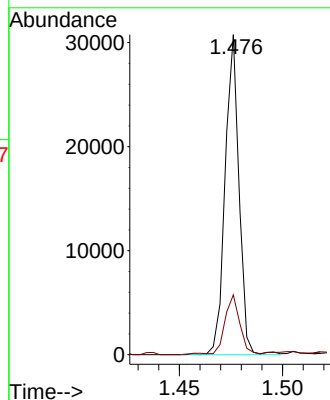
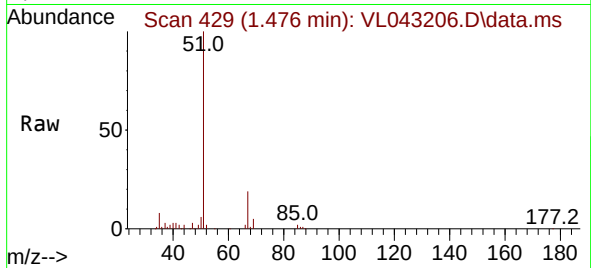




#3
Chlorodifluoromethane
Concen: 1.013 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

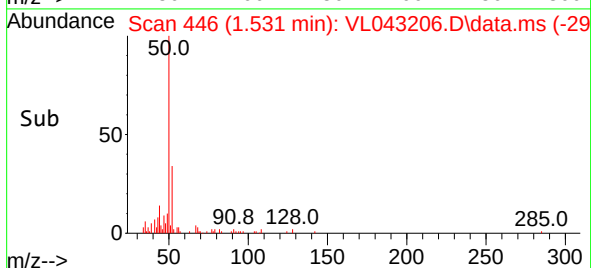
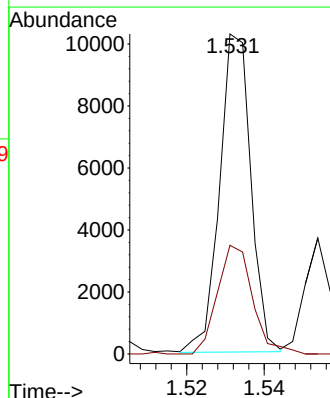
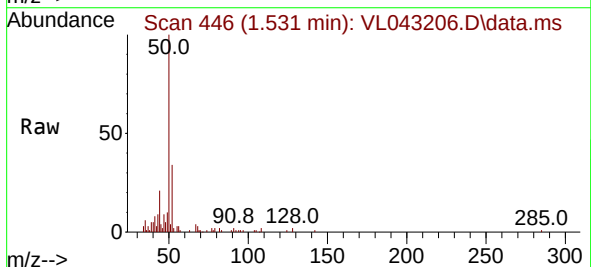
Instrument :
MSVOA_L
ClientSampleId :
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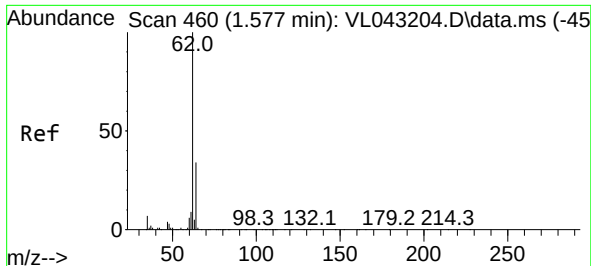
Tgt Ion: 51 Resp: 14437
Ion Ratio Lower Upper
51 100
67 22.3 14.9 22.3#



#4
Chloromethane
Concen: 1.061 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 50 Resp: 5751
Ion Ratio Lower Upper
50 100
52 34.2 24.1 36.1

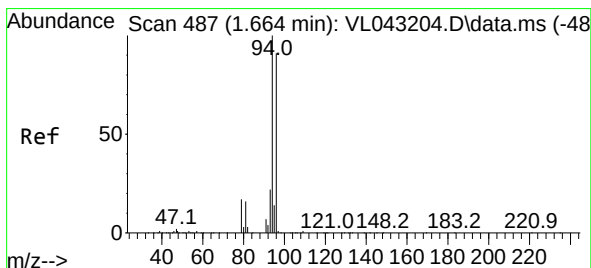
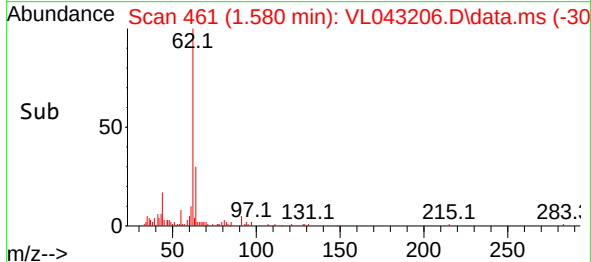
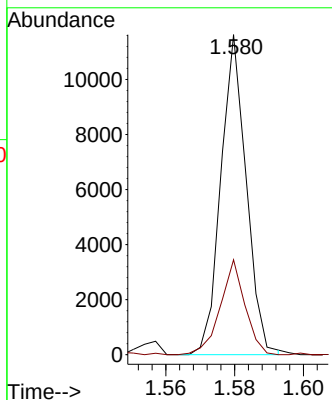
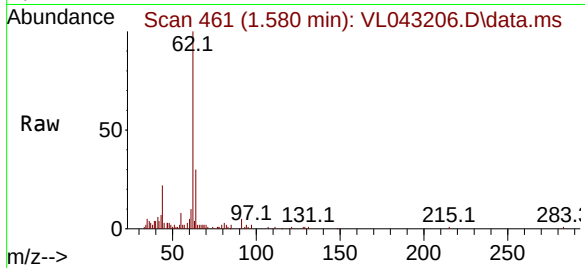




#5
 Vinyl Chloride
 Concen: 1.007 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

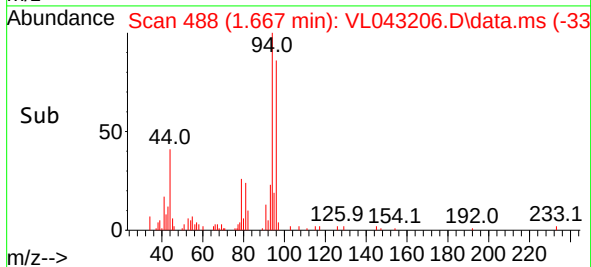
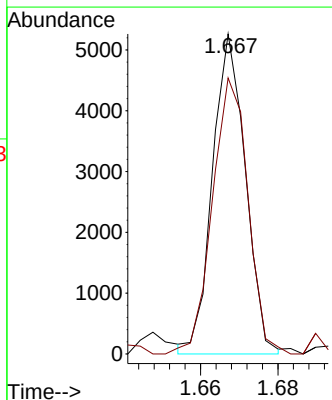
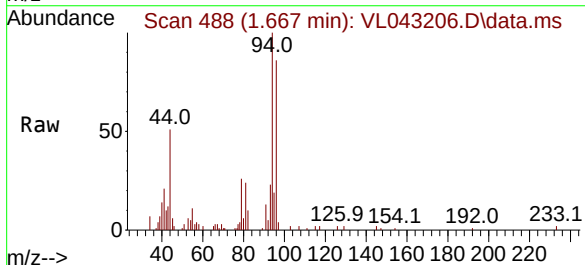
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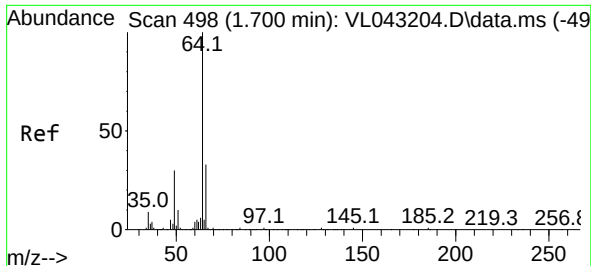
Tgt Ion: 62 Resp: 5967
 Ion Ratio Lower Upper
 62 100
 64 31.3 27.3 40.9



#6
 Bromomethane
 Concen: 1.080 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion: 94 Resp: 3104
 Ion Ratio Lower Upper
 94 100
 96 85.7 72.9 109.3

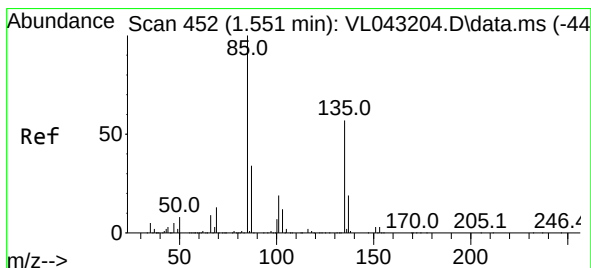
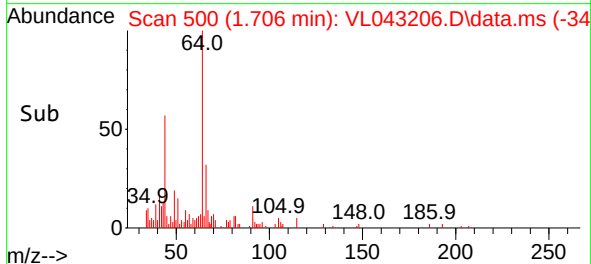
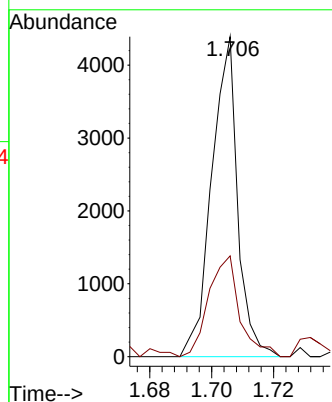
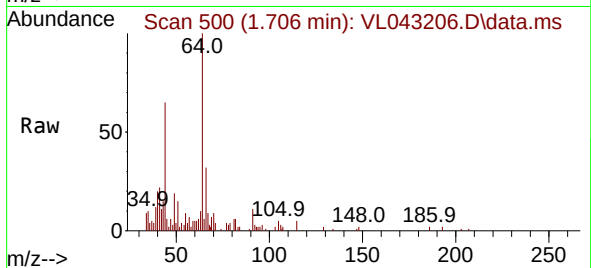




#7
Chloroethane
Concen: 1.104 ppbv
RT: 1.706 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

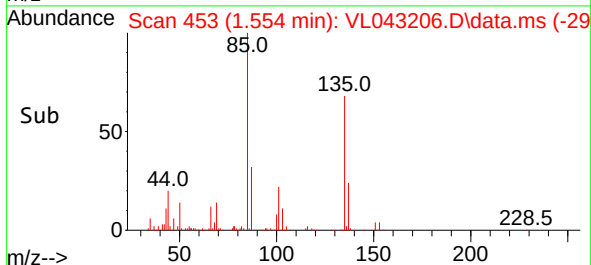
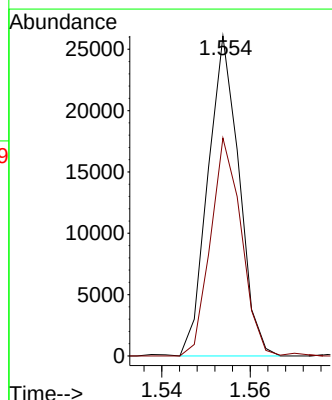
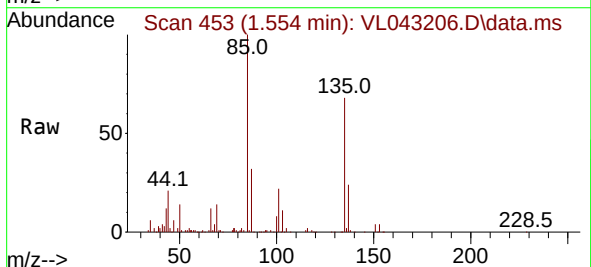
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

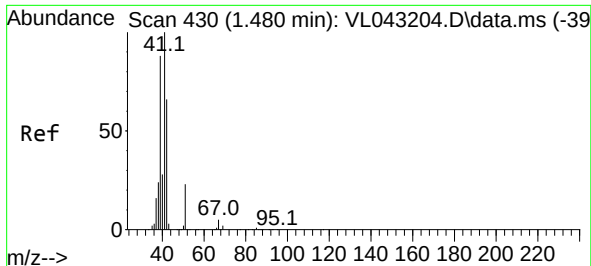
Tgt Ion: 64 Resp: 2550
Ion Ratio Lower Upper
64 100
66 31.5 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 1.058 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 85 Resp: 12759
Ion Ratio Lower Upper
85 100
135 67.7 52.6 79.0





#9

Propene

Concen: 0.929 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_1

ClientSampleId :

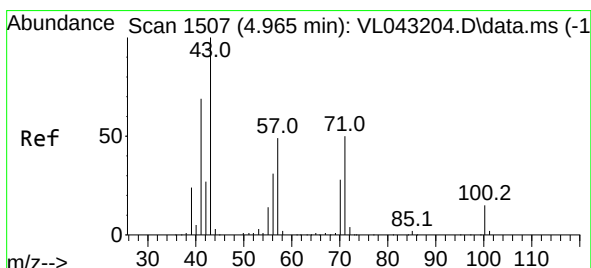
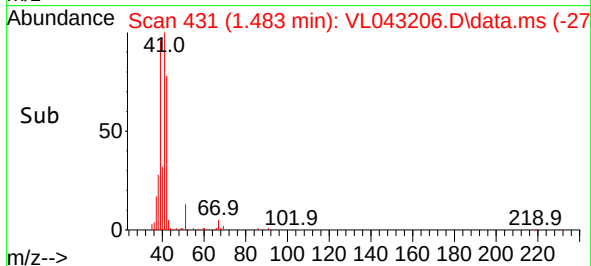
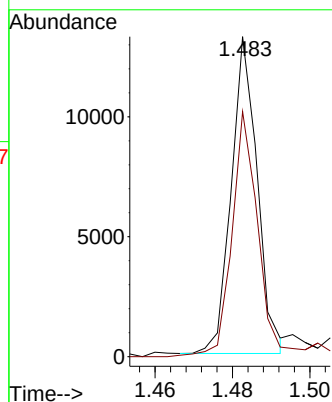
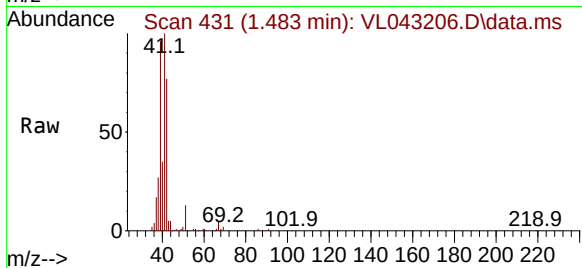
VSTDIC001

Tgt Ion: 41 Resp: 6147

Ion Ratio Lower Upper

41 100

42 80.0 3.7 5.5#



#10

Heptane

Concen: 1.022 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. 0.006 min

Lab File: VL043206.D

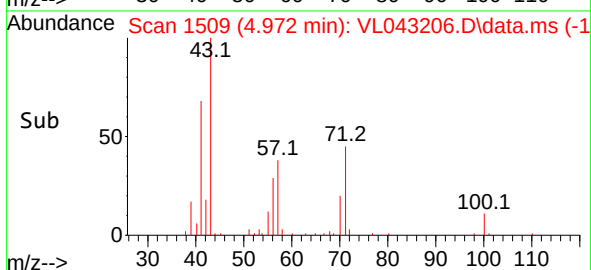
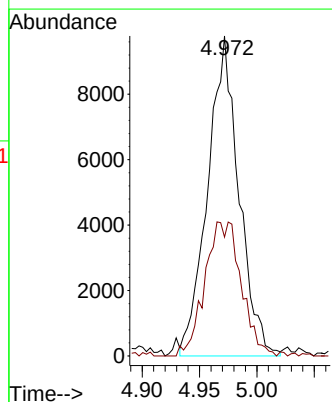
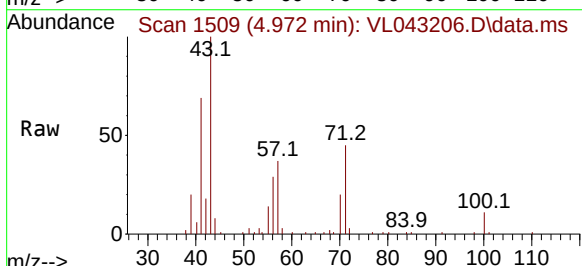
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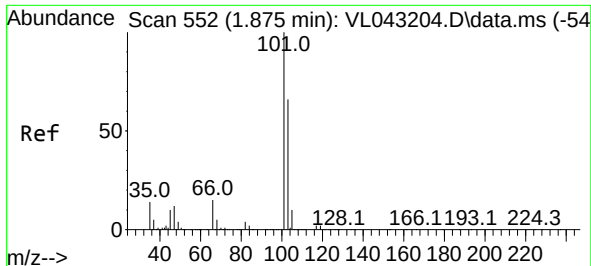
Tgt Ion: 43 Resp: 18544

Ion Ratio Lower Upper

43 100

57 49.3 39.7 59.5

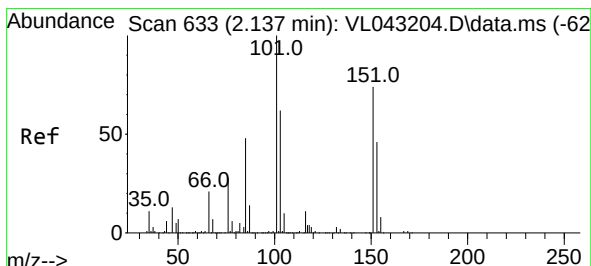
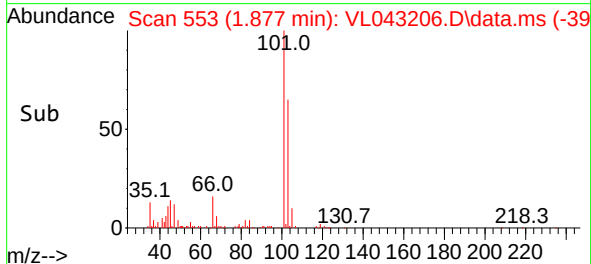
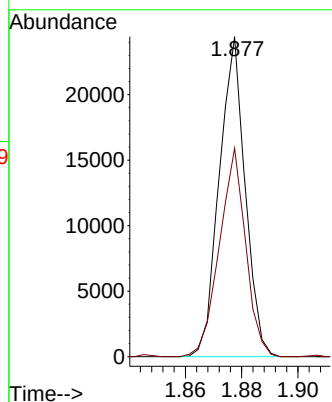
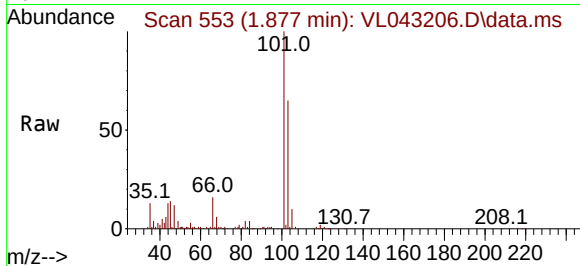




#11
 Trichlorofluoromethane
 Concen: 1.108 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

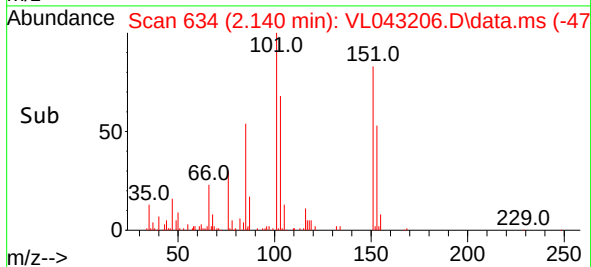
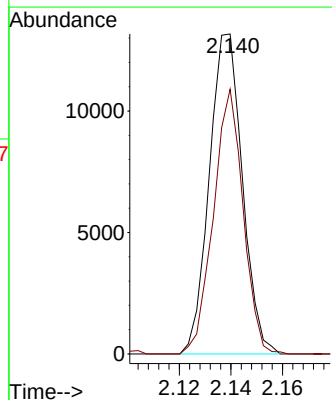
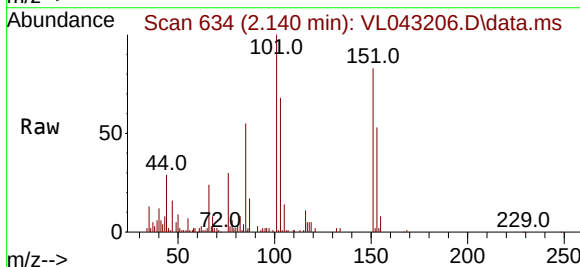
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

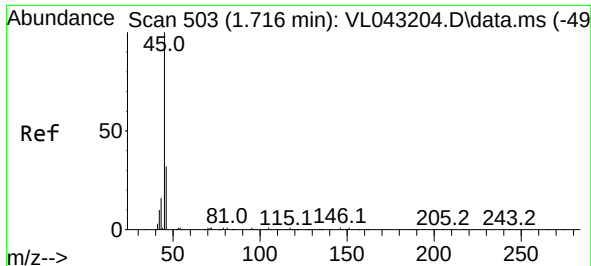
Tgt Ion:101 Resp: 15571
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.071 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion:101 Resp: 11743
 Ion Ratio Lower Upper
 101 100
 151 74.6 59.2 88.8

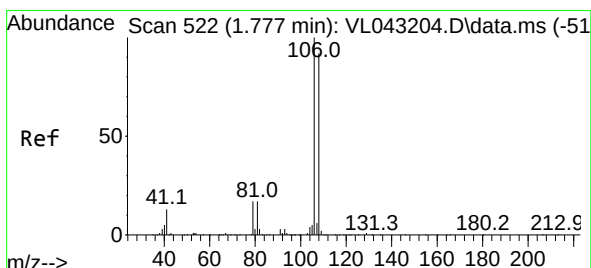
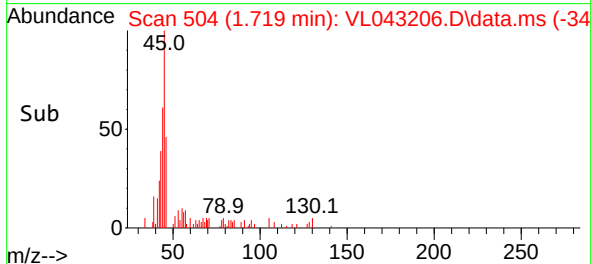
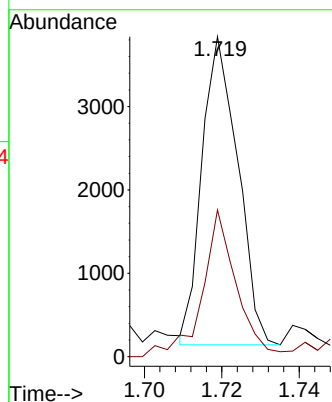
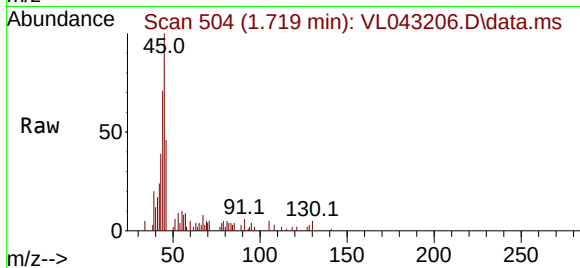




#13
Ethanol
Concen: 1.115 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

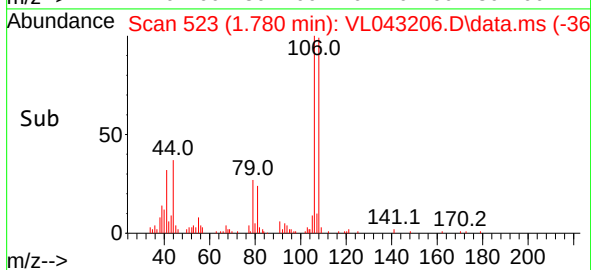
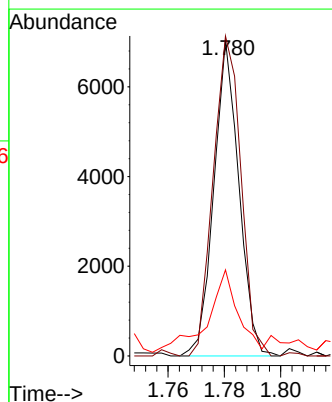
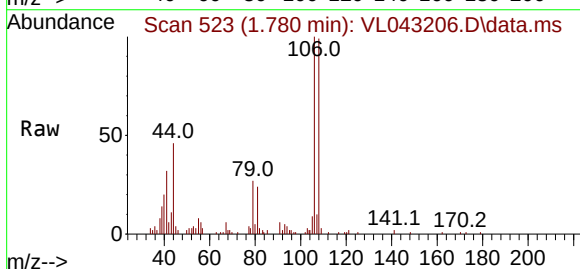
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

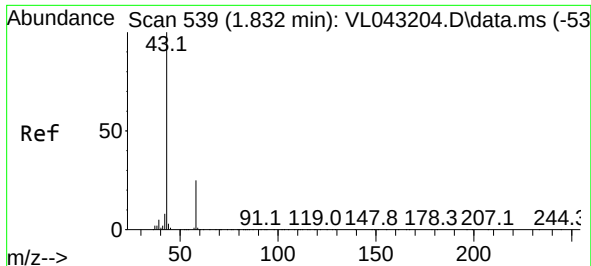
Tgt Ion: 45 Resp: 2373
Ion Ratio Lower Upper
45 100
46 57.0 15.0 59.8



#14
Bromoethene
Concen: 1.033 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 108 Resp: 4345
Ion Ratio Lower Upper
108 100
106 114.0 88.9 133.3
79 39.2 16.5 24.7#

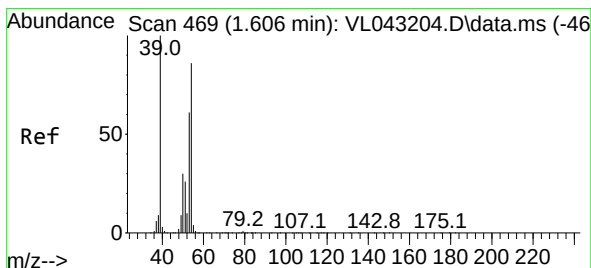
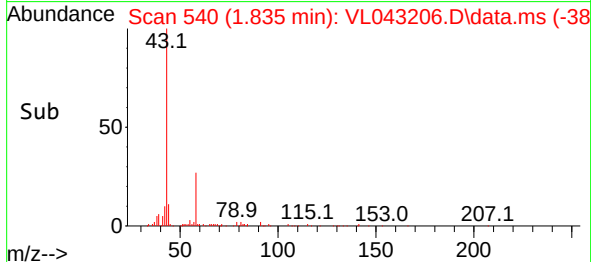
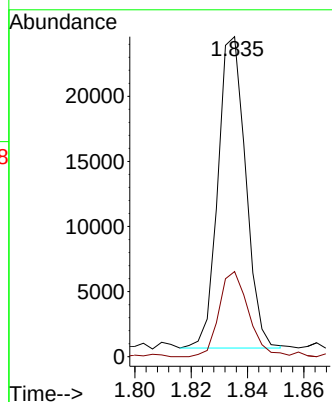
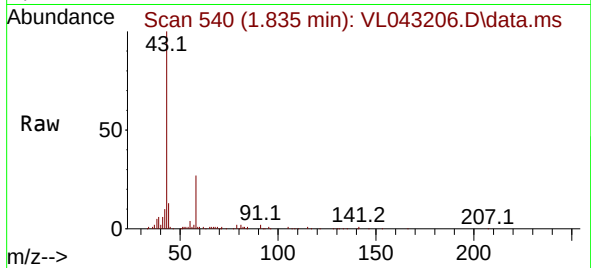




#15
Acetone
Concen: 1.145 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

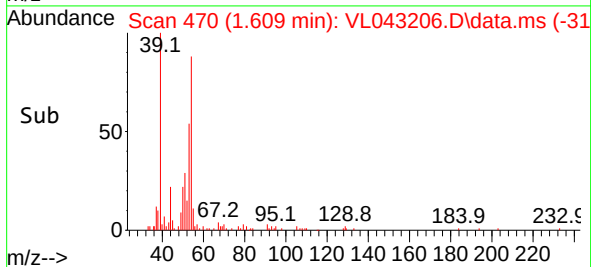
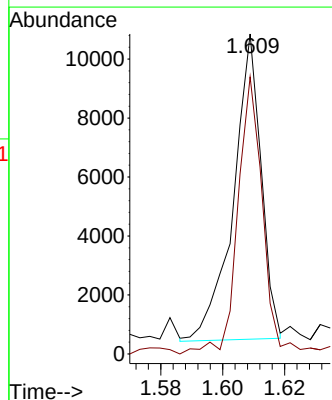
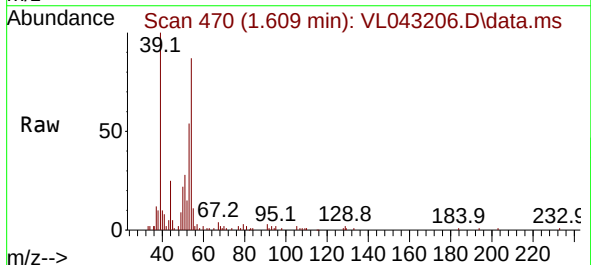
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC001

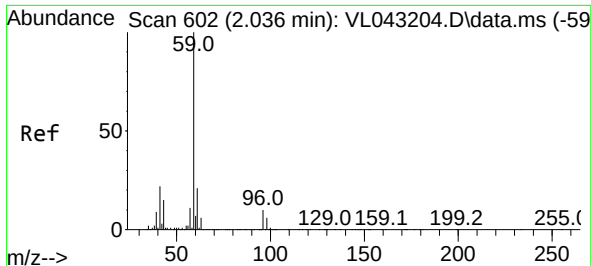
Tgt Ion: 43 Resp: 16353
Ion Ratio Lower Upper
43 100
58 30.9 20.7 31.1



#16
1,3-Butadiene
Concen: 1.016 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 39 Resp: 6469
Ion Ratio Lower Upper
39 100
54 77.8 59.4 89.2





#17

tert-Butyl alcohol

Concen: 1.104 ppbv

RT: 2.039 min Scan# 60

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

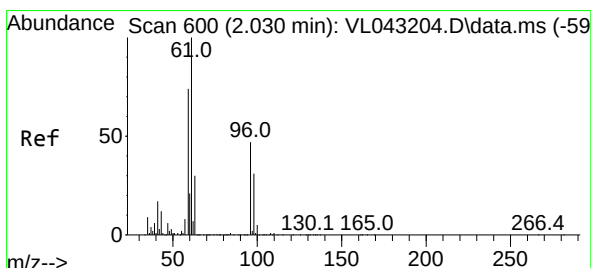
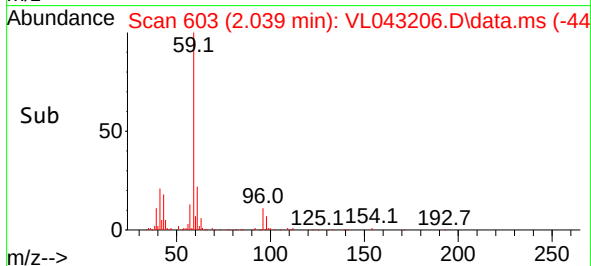
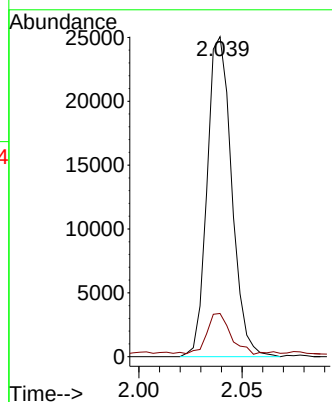
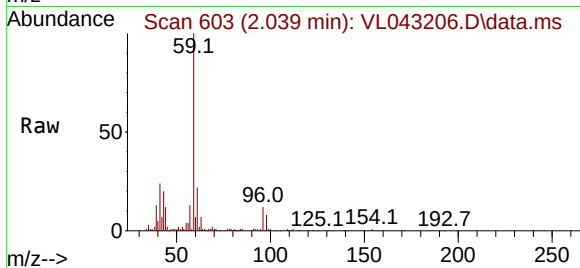
VSTDIC001

Tgt Ion: 59 Resp: 20703

Ion Ratio Lower Upper

59 100

57 14.1 9.0 13.4#



#18

1,1-Dichloroethene

Concen: 1.067 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

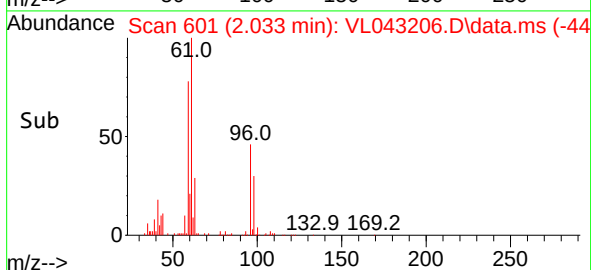
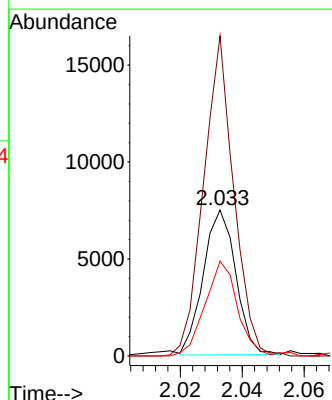
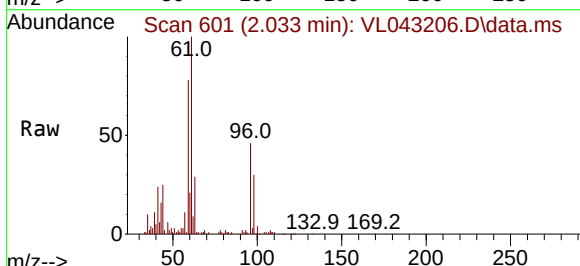
Tgt Ion: 96 Resp: 5447

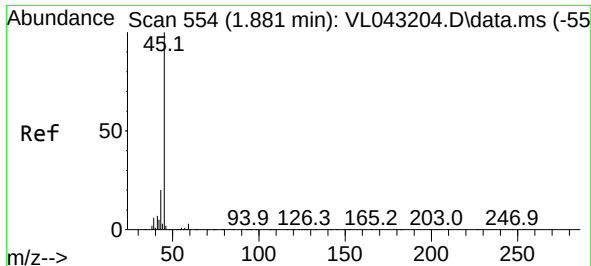
Ion Ratio Lower Upper

96 100

61 219.3 170.6 255.8

98 63.7 52.2 78.4

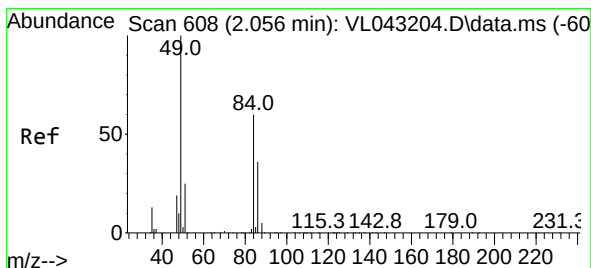
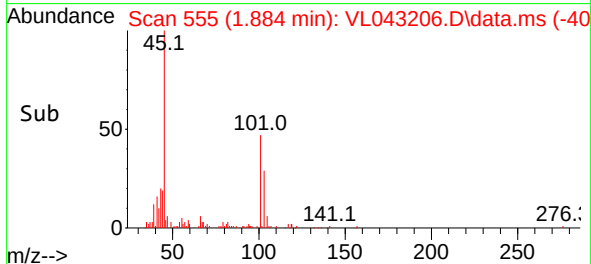
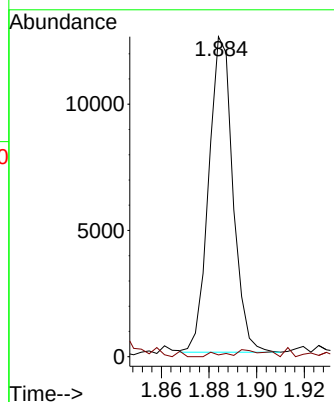
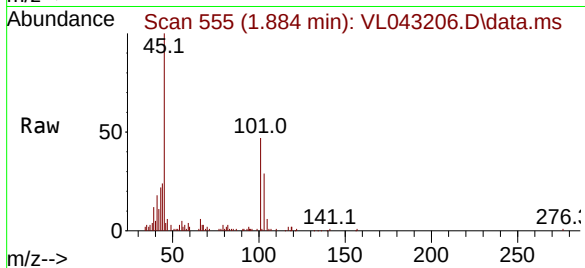




#19
Isopropyl Alcohol
Concen: 1.097 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

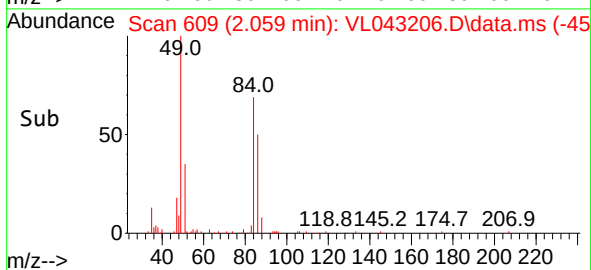
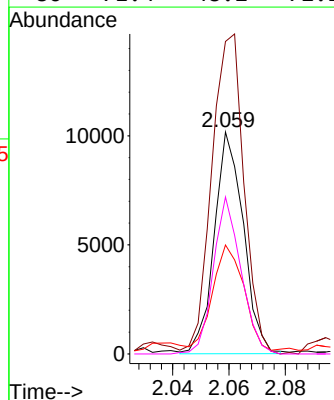
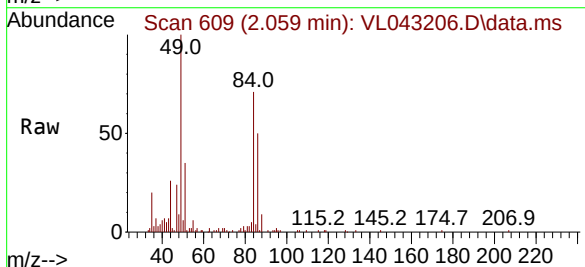
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

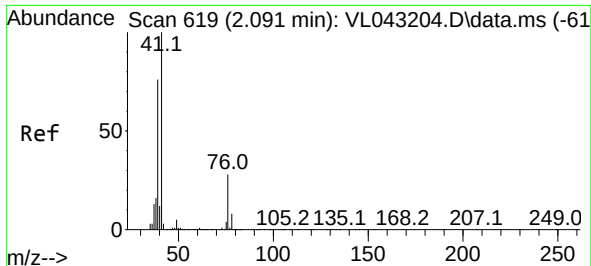
Tgt Ion: 45 Resp: 8849
Ion Ratio Lower Upper
45 100
58 4.0 31.3 46.9#



#20
Methylene Chloride
Concen: 1.030 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 84 Resp: 7297
Ion Ratio Lower Upper
84 100
49 142.0 132.9 199.3
51 47.3 34.8 52.2
86 71.4 48.2 72.2

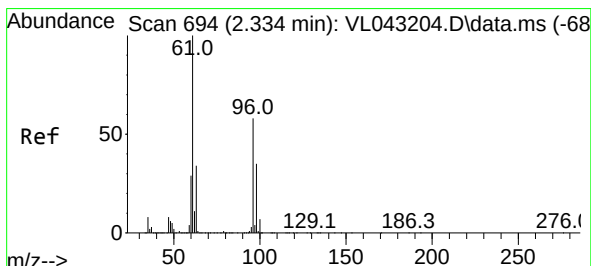
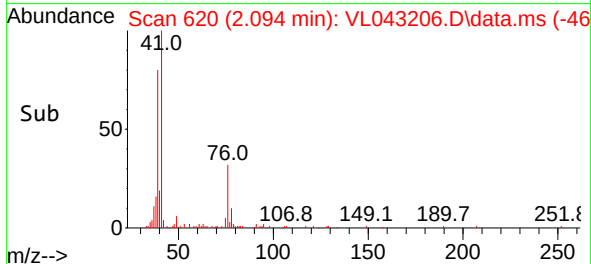
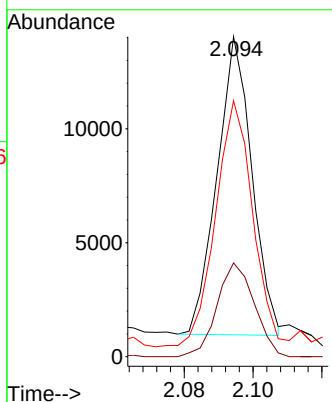
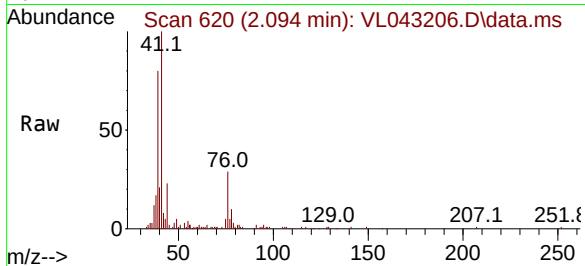




#21
 Allyl Chloride
 Concen: 0.957 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

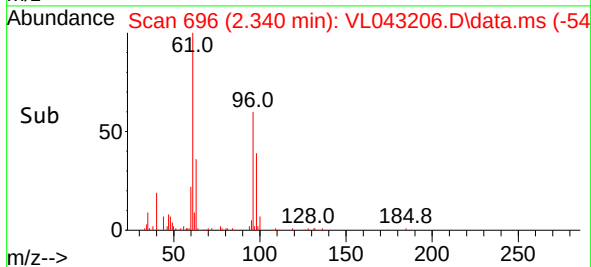
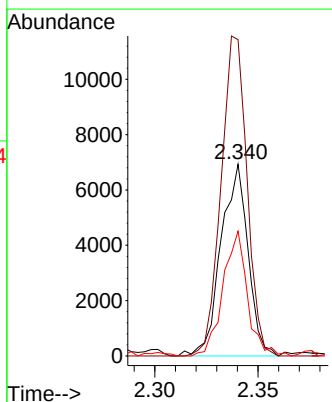
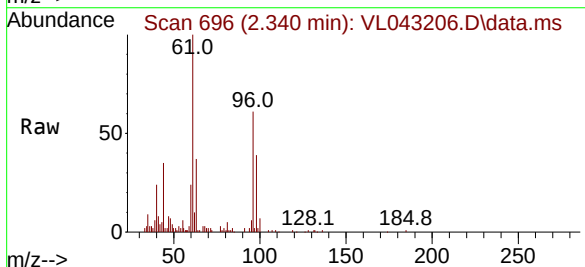
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

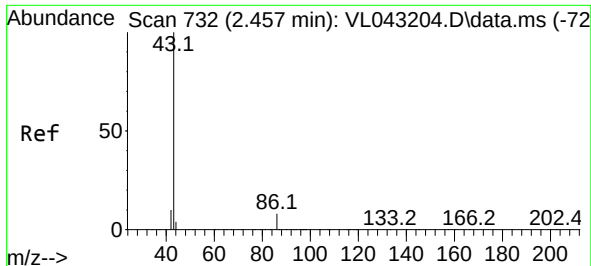
Tgt Ion: 41 Resp: 9198
 Ion Ratio Lower Upper
 41 100
 76 33.5 22.1 33.1#
 39 91.7 61.0 91.4#



#22
 trans-1,2-Dichloroethene
 Concen: 1.082 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.006 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion: 96 Resp: 6313
 Ion Ratio Lower Upper
 96 100
 61 165.0 139.0 208.6
 98 65.1 49.4 74.2

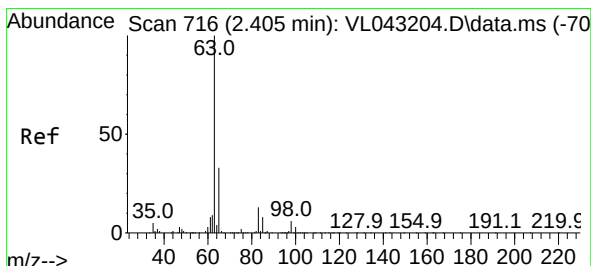
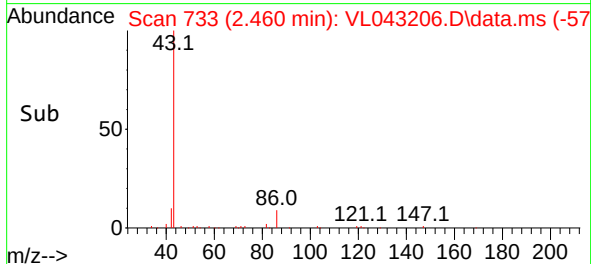
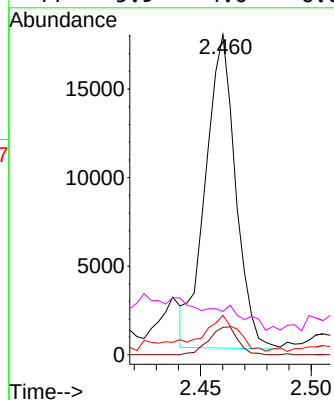
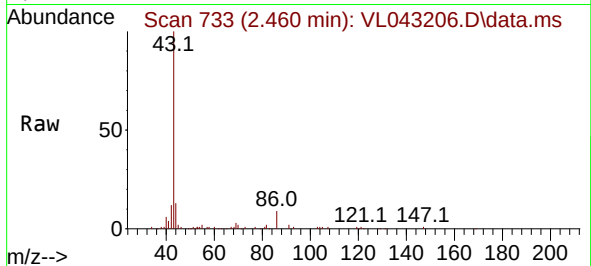




#23
 Vinyl Acetate
 Concen: 0.973 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

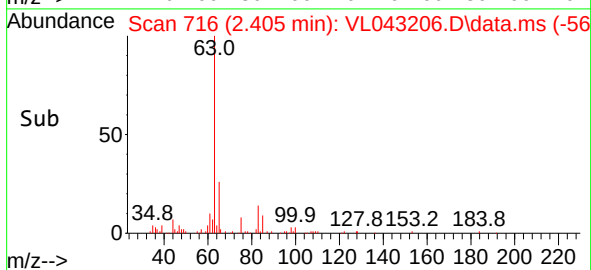
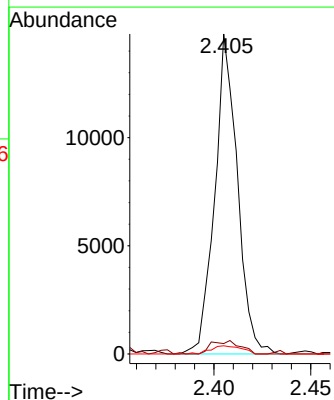
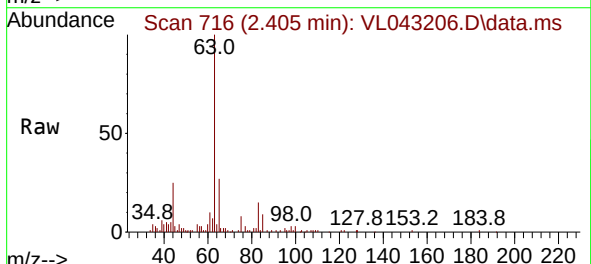
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

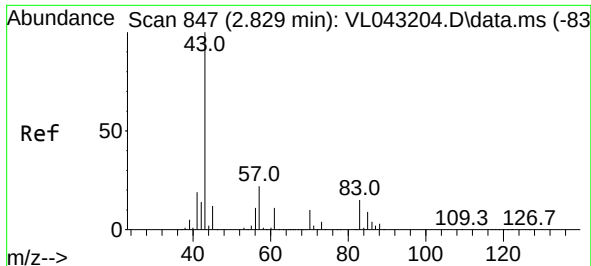
Tgt Ion:	43	Resp:	16779
Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.2	9.2
42	10.4	8.0	12.0
44	5.9	4.0	6.0



#24
 1,1-Dichloroethane
 Concen: 1.071 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion:	63	Resp:	12062
Ion	Ratio	Lower	Upper
63	100		
98	2.9	2.8	8.4
100	2.5	1.3	3.9

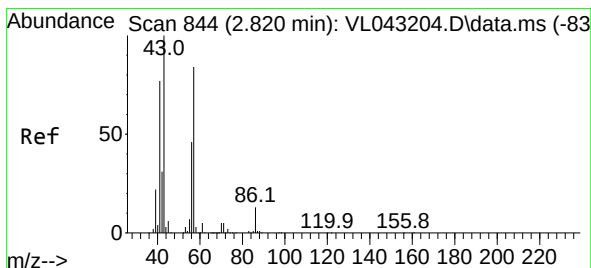
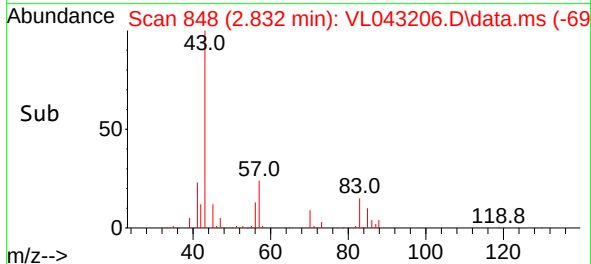
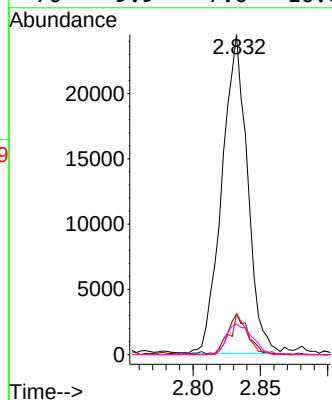
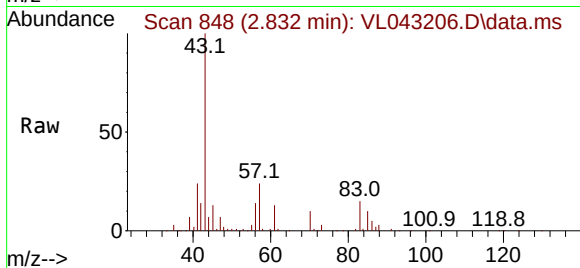




#25
Ethyl Acetate
Concen: 1.041 ppbv
RT: 2.832 min Scan# 847
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

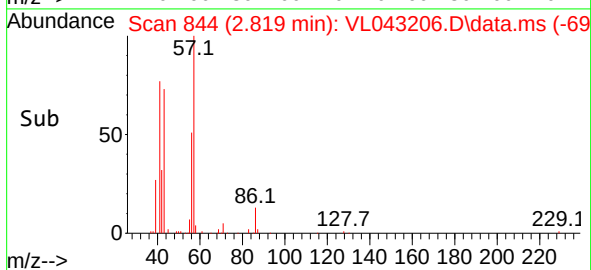
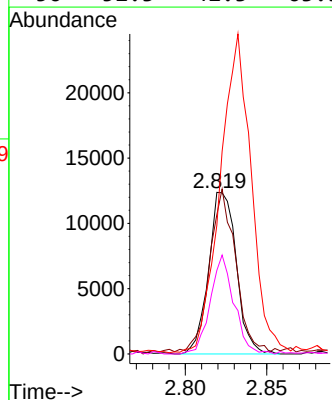
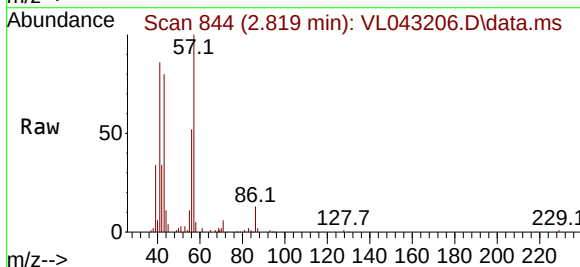
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

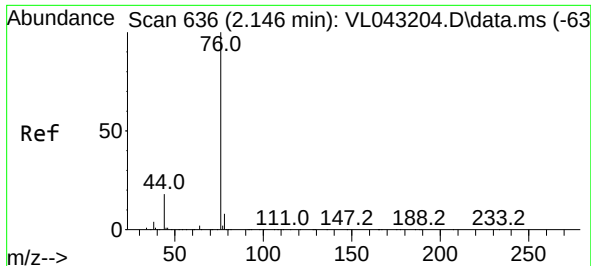
Tgt Ion: 43	Resp: 32108
Ion Ratio	Lower Upper
43 100	
45 11.1	8.1 12.1
61 8.7	7.0 10.4
70 9.9	7.0 10.6



#26
Hexane
Concen: 1.084 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 57	Resp: 14639		
Ion	Ratio	Lower	Upper
57	100		
41	96.8	74.6	111.8
43	222.8	179.0	268.4
56	52.3	42.3	63.5





#27

Carbon Disulfide

Concen: 1.062 ppbv

RT: 2.149 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

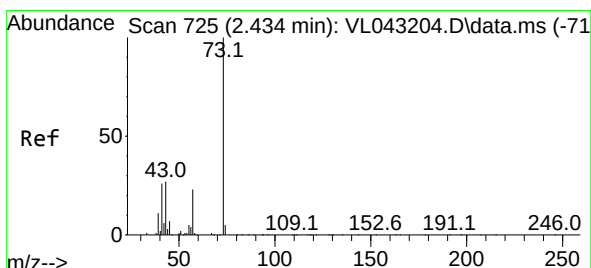
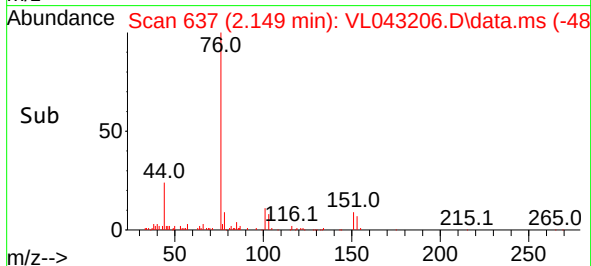
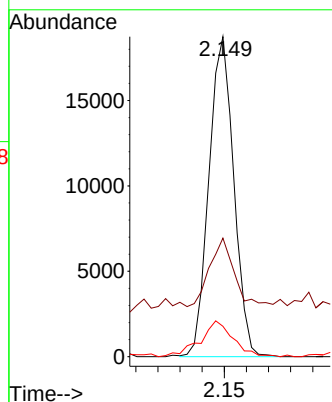
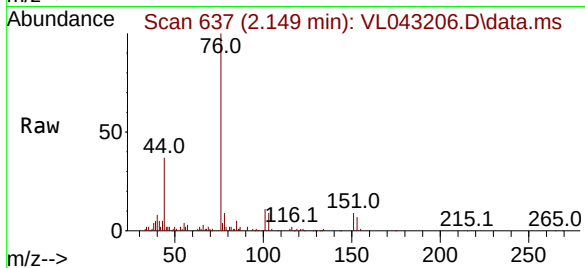
Tgt Ion: 76 Resp: 14637

Ion Ratio Lower Upper

76 100

44 69.6 16.1 24.1#

78 14.8 9.6 14.4#



#28

Methyl tert-Butyl Ether

Concen: 1.092 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.006 min

Lab File: VL043206.D

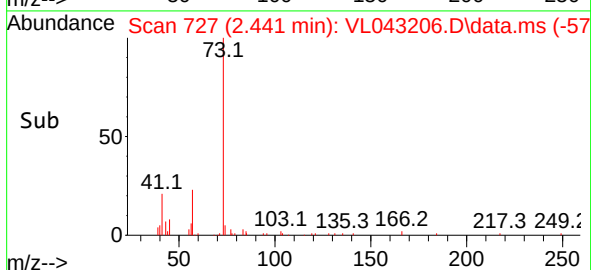
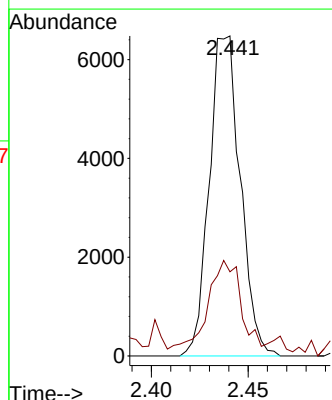
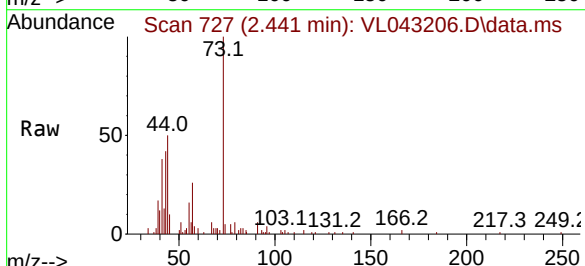
Acq: 18 Nov 2025 11:10

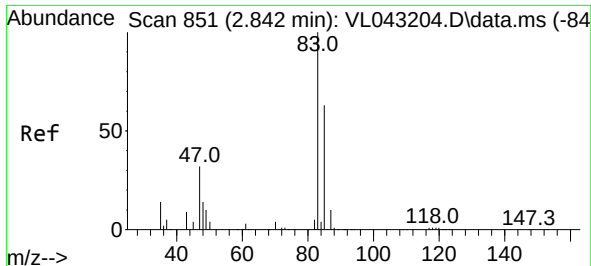
Tgt Ion: 73 Resp: 7236

Ion Ratio Lower Upper

73 100

57 33.1 19.8 29.8#

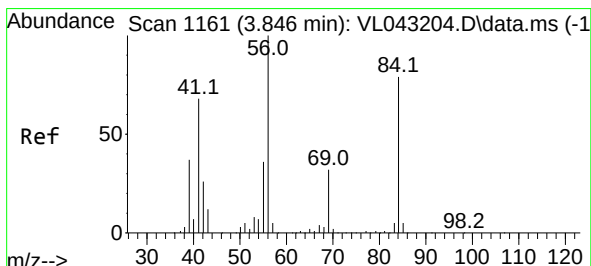
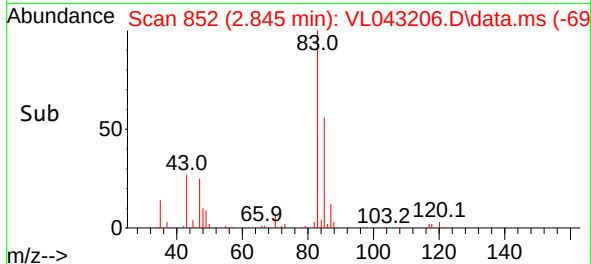
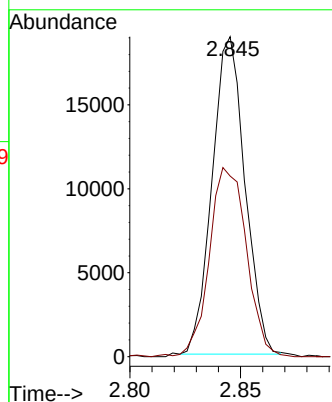
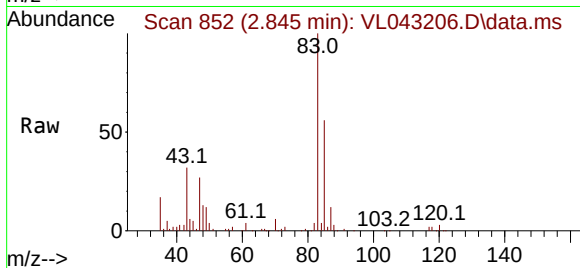




#29
Chloroform
Concen: 1.016 ppbv
RT: 2.845 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

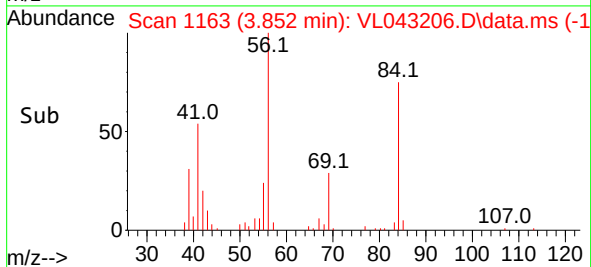
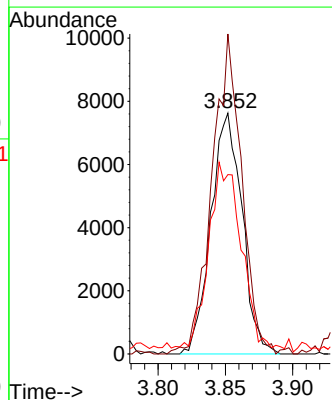
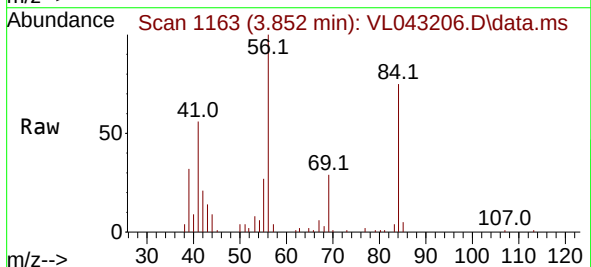
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

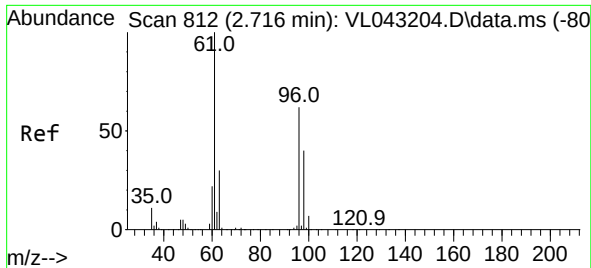
Tgt Ion: 83 Resp: 19509
Ion Ratio Lower Upper
83 100
85 56.3 50.5 75.7



#30
Cyclohexane
Concen: 1.084 ppbv
RT: 3.852 min Scan# 1163
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 84 Resp: 12269
Ion Ratio Lower Upper
84 100
56 127.5 104.7 157.1
41 90.4 69.0 103.6

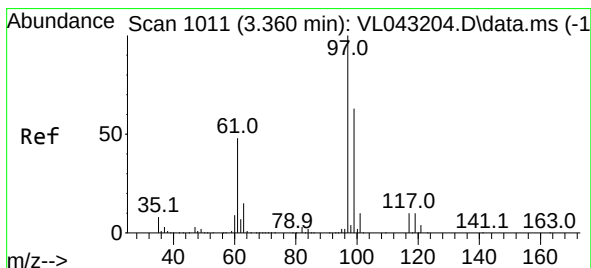
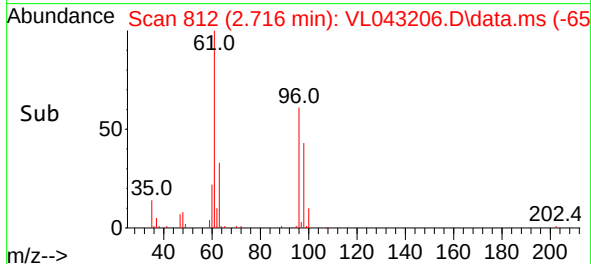
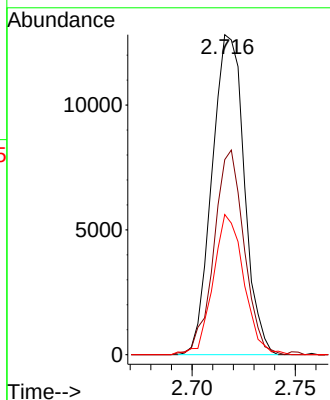
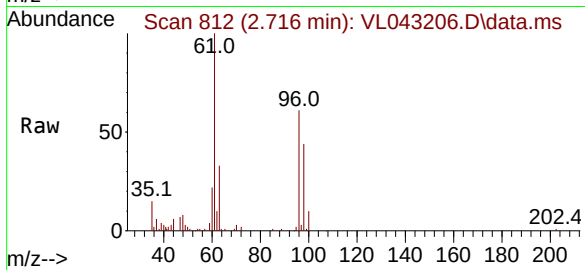




#31
 cis-1,2-Dichloroethene
 Concen: 1.035 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

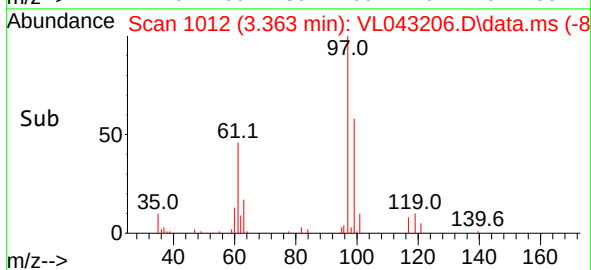
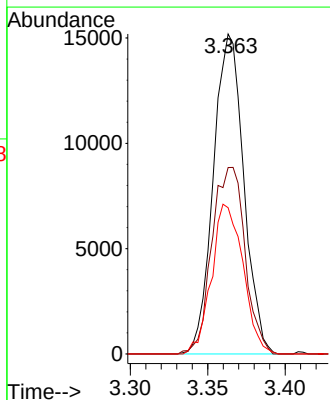
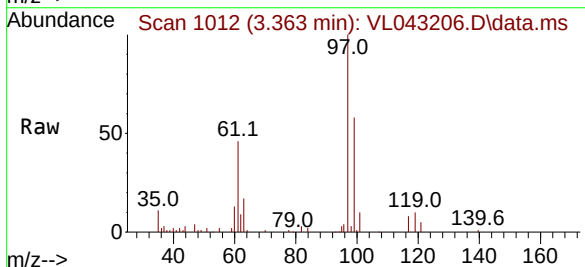
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

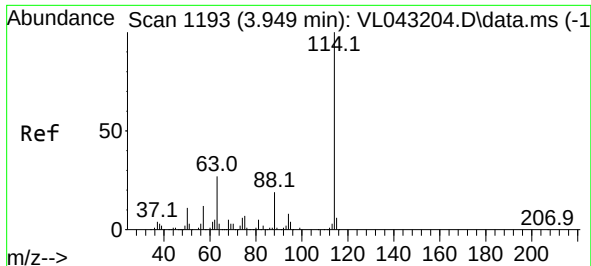
Tgt Ion: 61 Resp: 13889
 Ion Ratio Lower Upper
 61 100
 96 60.4 49.3 73.9
 98 43.0 32.1 48.1



#32
 1,1,1-Trichloroethane
 Concen: 1.005 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion: 97 Resp: 20745
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.3 75.5
 61 48.3 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

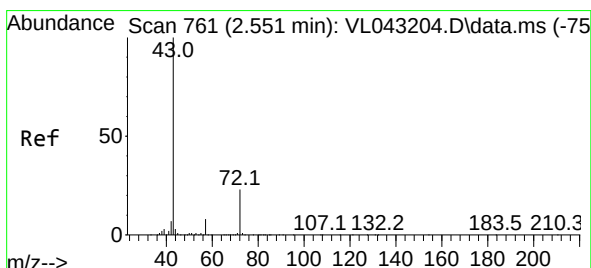
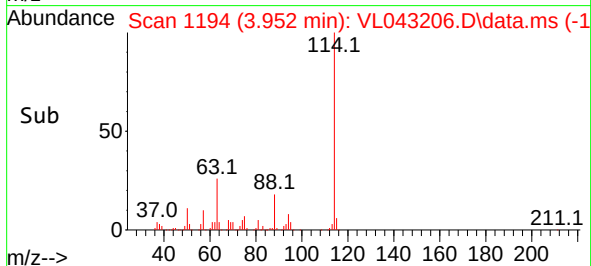
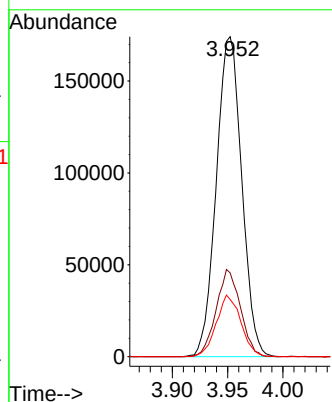
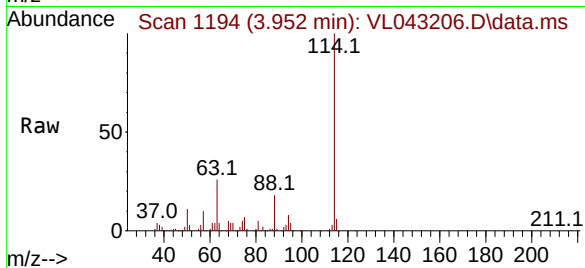
Tgt Ion:114 Resp: 278732

Ion Ratio Lower Upper

114 100

63 26.0 21.0 31.6

88 18.6 14.9 22.3



#34

2-Butanone

Concen: 1.064 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.003 min

Lab File: VL043206.D

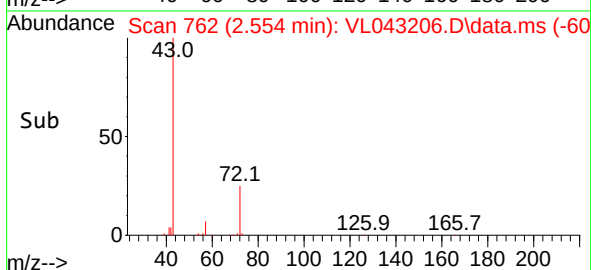
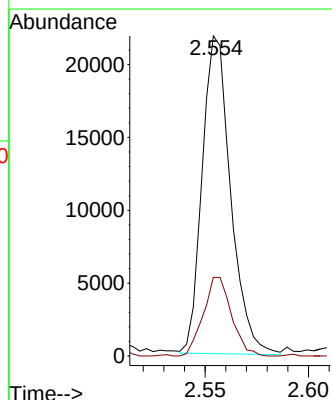
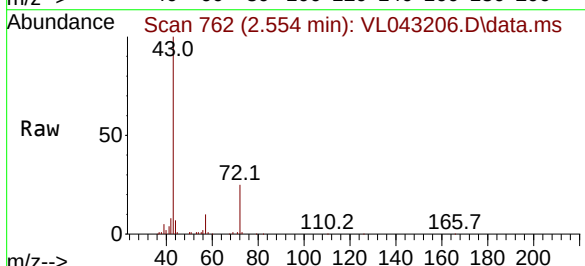
Acq: 18 Nov 2025 11:10

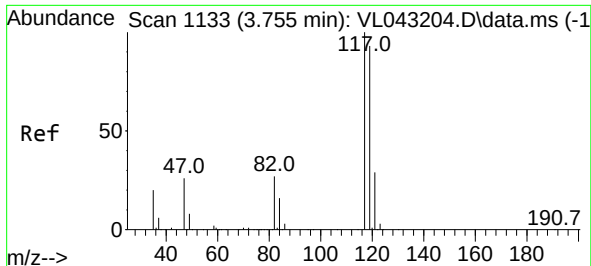
Tgt Ion: 43 Resp: 20940

Ion Ratio Lower Upper

43 100

72 24.7 18.1 27.1

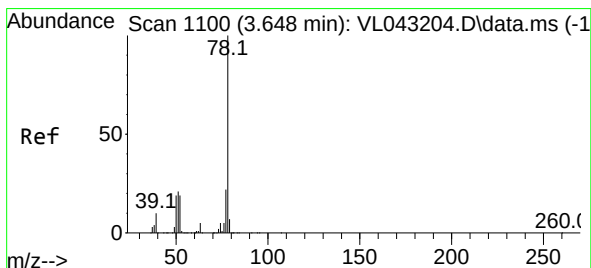
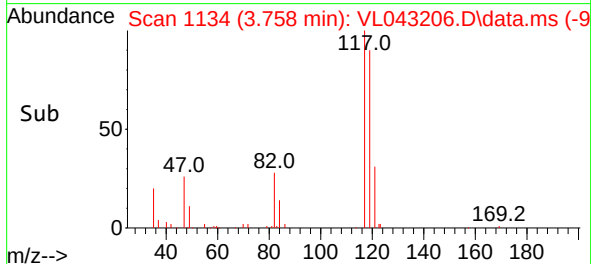
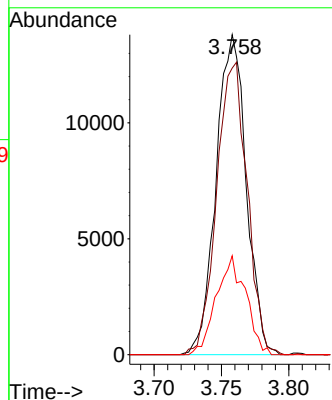
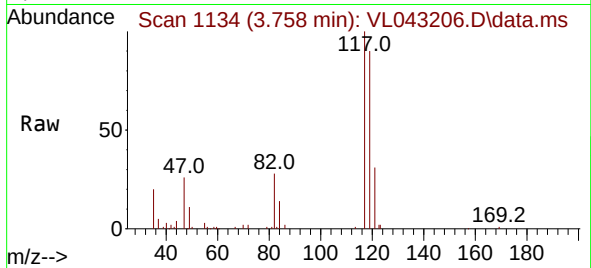




#35
Carbon Tetrachloride
Concen: 1.016 ppbv
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

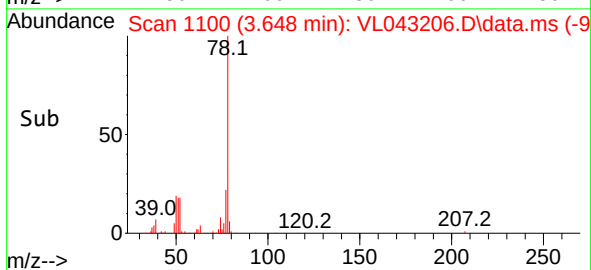
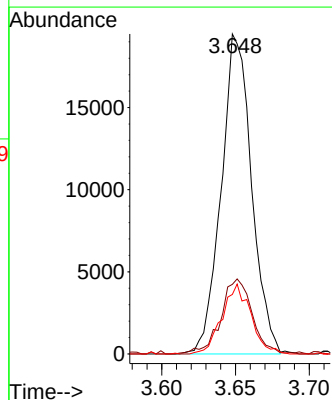
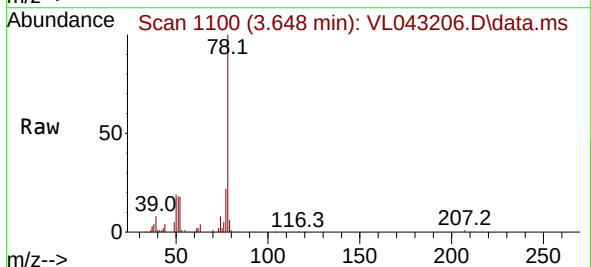
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

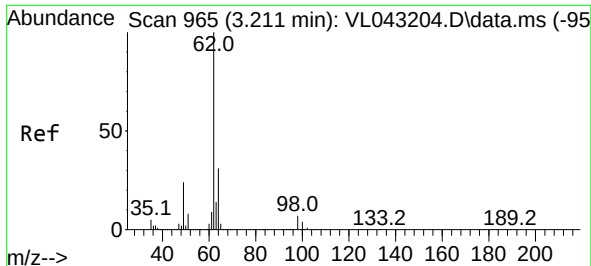
Tgt Ion:117 Resp: 21497
Ion Ratio Lower Upper
117 100
119 89.6 74.6 112.0
121 30.9 23.2 34.8



#36
Benzene
Concen: 1.046 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 78 Resp: 27911
Ion Ratio Lower Upper
78 100
77 21.5 17.5 26.3
50 18.6 15.5 23.3

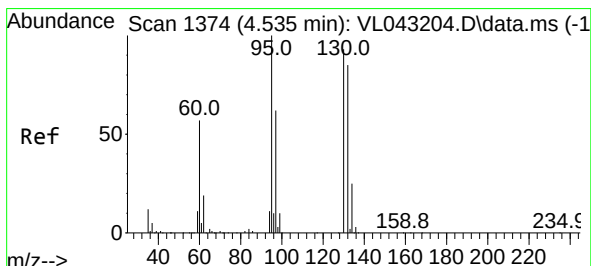
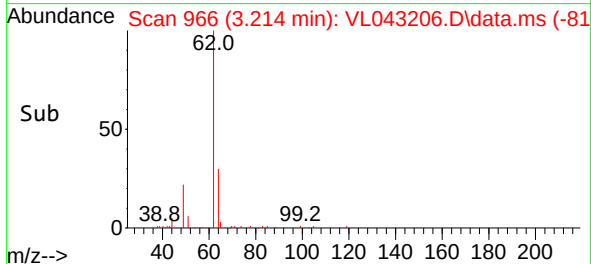
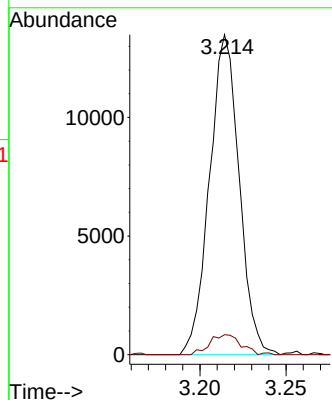
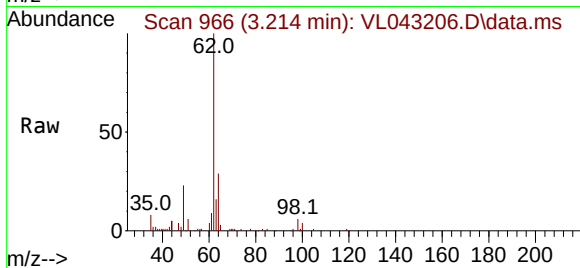




#37
1,2-Dichloroethane
Concen: 1.035 ppbv
RT: 3.214 min Scan# 966
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

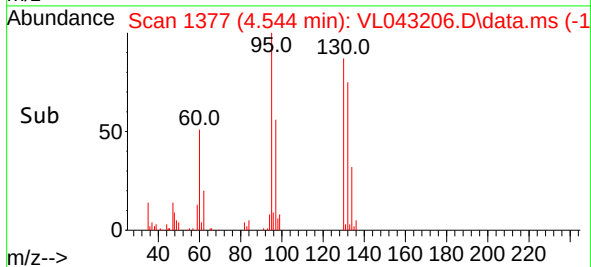
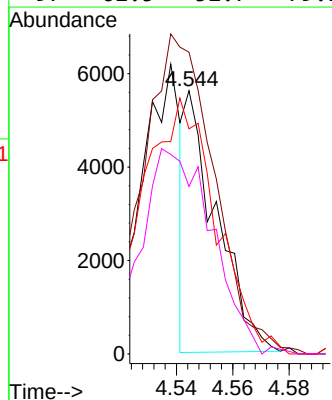
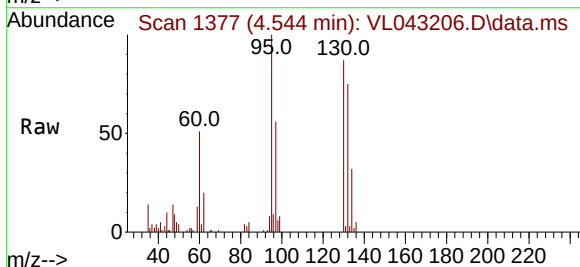
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

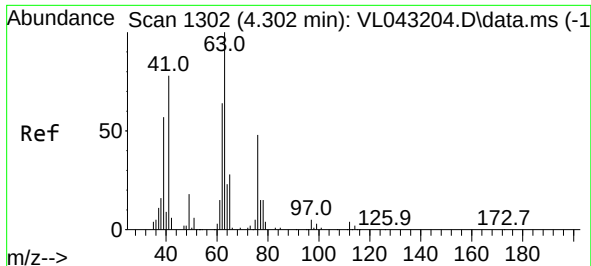
Tgt Ion: 62 Resp: 16159
Ion Ratio Lower Upper
62 100
98 6.7 5.5 8.3



#38
Trichloroethene
Concen: 0.414 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 130 Resp: 4331
Ion Ratio Lower Upper
130 100
95 113.3 85.7 128.5
132 83.5 73.4 110.0
97 62.5 52.7 79.1





#39

1,2-Dichloropropane

Concen: 1.039 ppbv

RT: 4.311 min Scan# 11

Delta R.T. 0.009 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

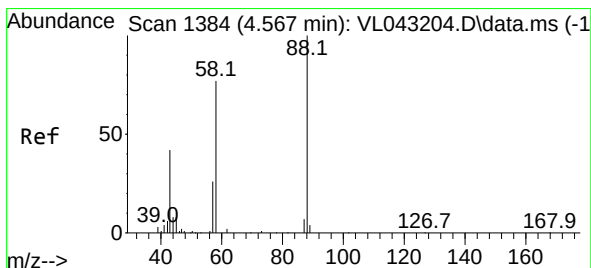
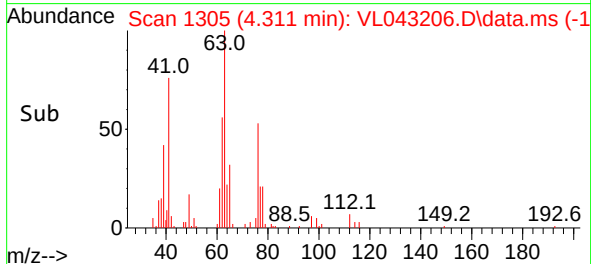
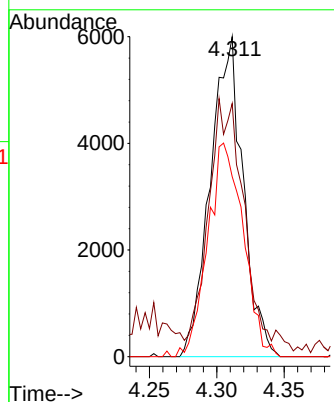
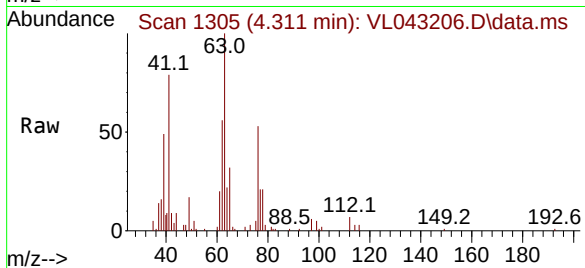
Tgt Ion: 63 Resp: 10147

Ion Ratio Lower Upper

63 100

41 70.5 62.6 93.8

62 56.2 51.0 76.6



#40

1,4-Dioxane

Concen: 0.312 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.009 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Tgt Ion: 88 Resp: 1369

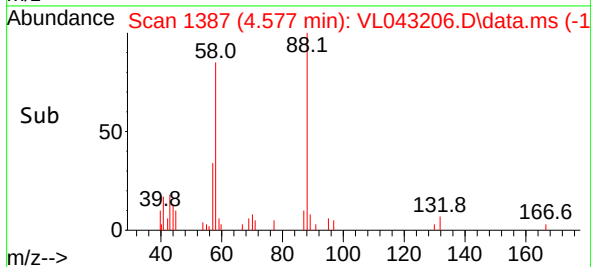
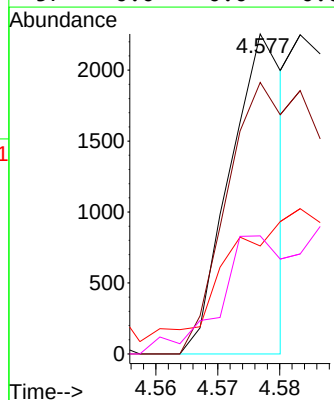
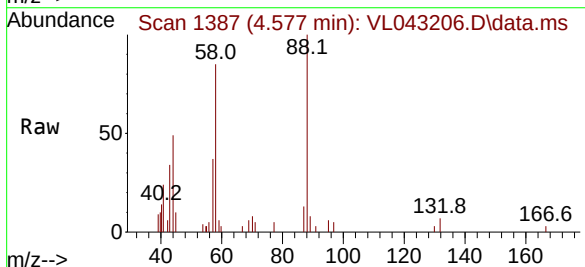
Ion Ratio Lower Upper

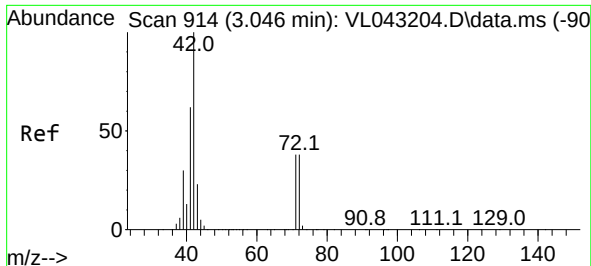
88 100

58 234.8 63.0 94.6#

43 0.0 32.5 48.7#

57 0.0 0.0 0.0

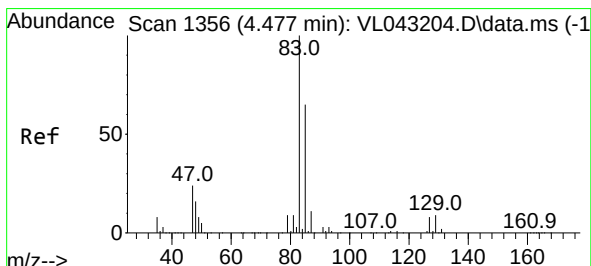
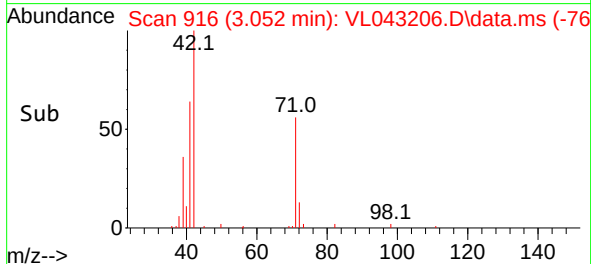
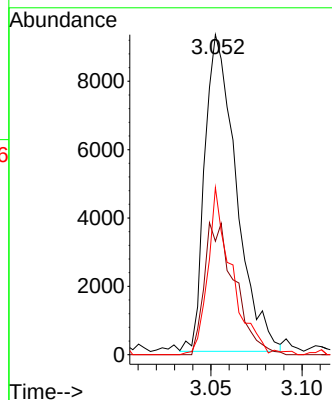
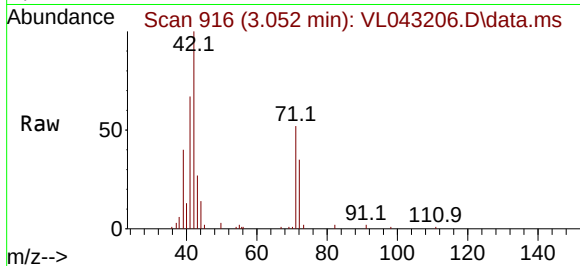




#41
Tetrahydrofuran
Concen: 1.029 ppbv
RT: 3.052 min Scan# 914
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

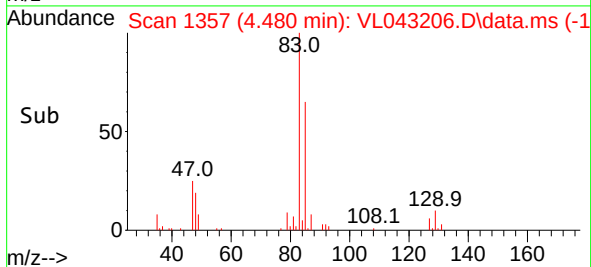
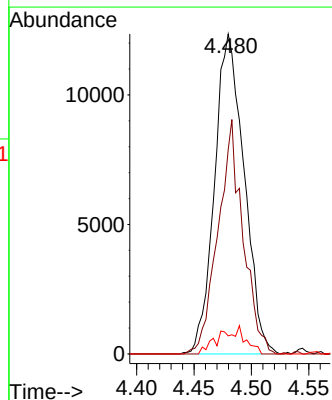
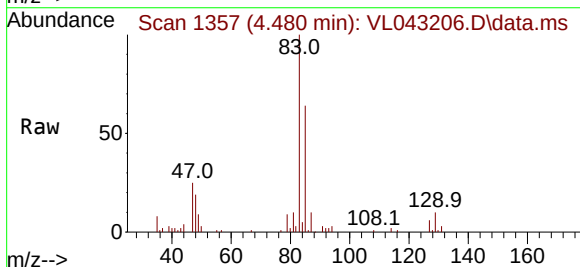
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

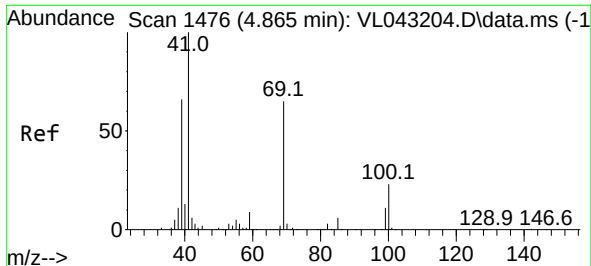
Tgt Ion:	42	Resp:	11176
Ion	Ratio	Lower	Upper
42	100		
72	40.2	30.6	46.0
71	40.4	30.5	45.7



#42
Bromodichloromethane
Concen: 1.028 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:	83	Resp:	22150
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5
127	5.6	6.3	9.5

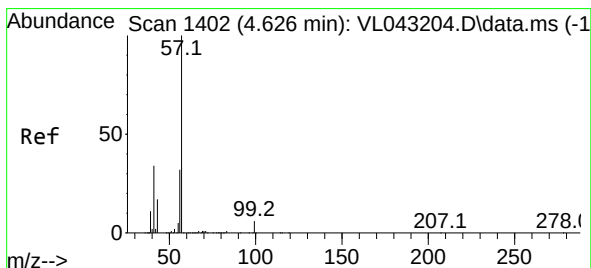
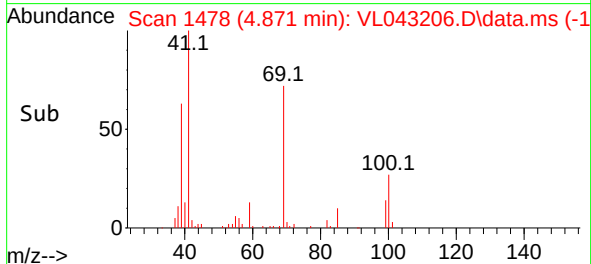
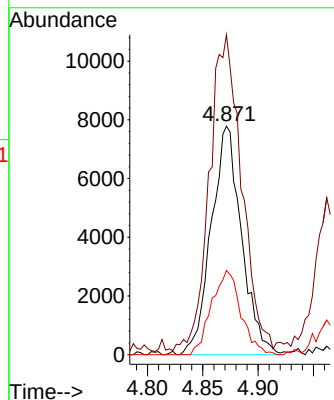
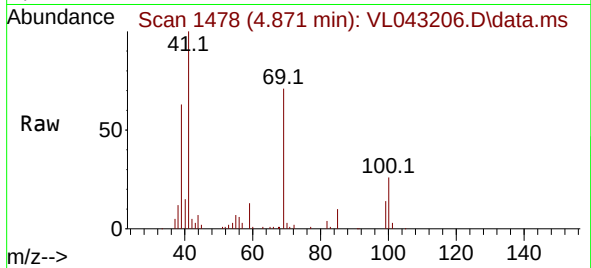




#43
Methyl Methacrylate
Concen: 1.046 ppbv
RT: 4.871 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

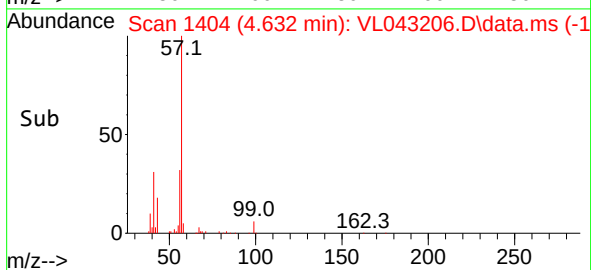
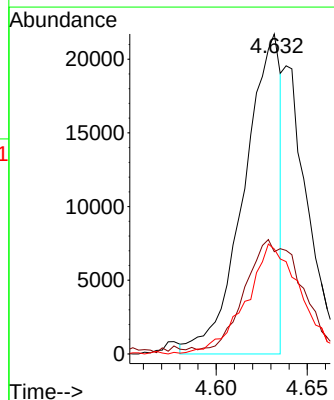
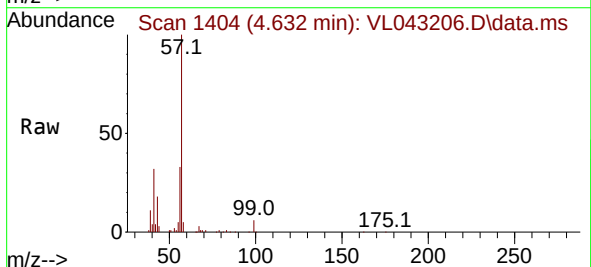
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

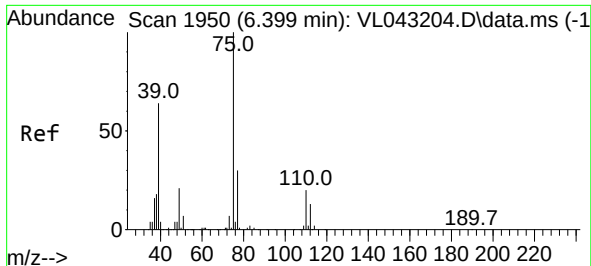
Tgt Ion: 69 Resp: 14821
Ion Ratio Lower Upper
69 100
41 148.1 126.7 190.1
100 35.7 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 0.662 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 57 Resp: 30372
Ion Ratio Lower Upper
57 100
41 61.1 28.0 42.0#
56 51.9 25.6 38.4#

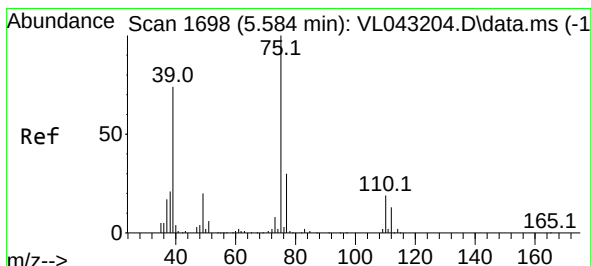
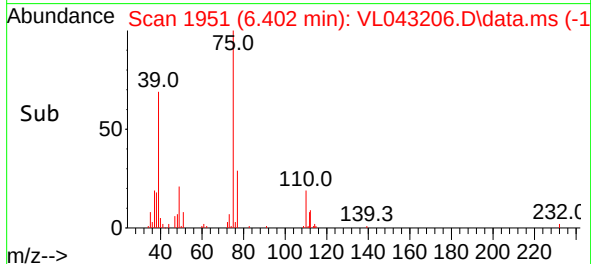
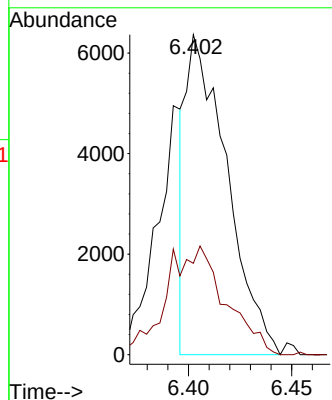
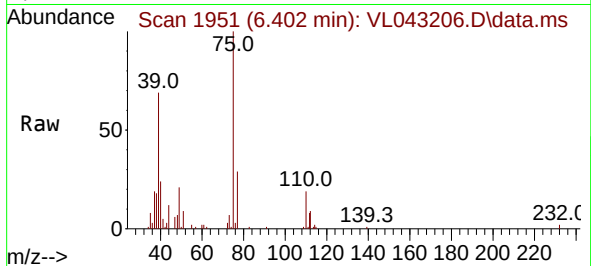




#45
 t-1,3-Dichloropropene
 Concen: 0.663 ppbv
 RT: 6.402 min Scan# 1950
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

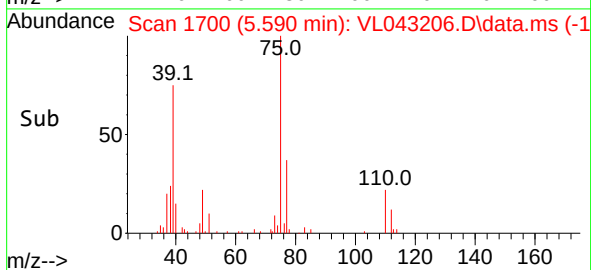
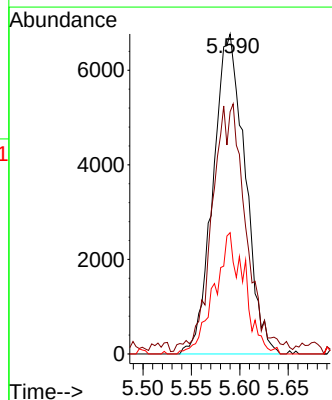
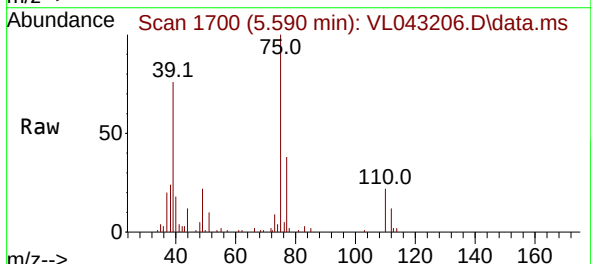
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

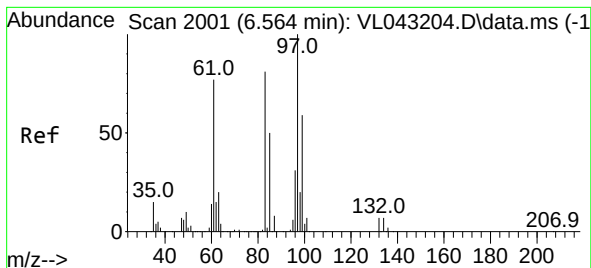
Tgt Ion: 75 Resp: 8750
 Ion Ratio Lower Upper
 75 100
 77 28.5 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 1.001 ppbv
 RT: 5.590 min Scan# 1700
 Delta R.T. 0.006 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion: 75 Resp: 15527
 Ion Ratio Lower Upper
 75 100
 39 72.5 59.1 88.7
 77 37.9 24.2 36.2#





#47

1,1,2-Trichloroethane

Concen: 0.995 ppbv

RT: 6.577 min Scan# 2005

Delta R.T. 0.013 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 97 Resp: 10369

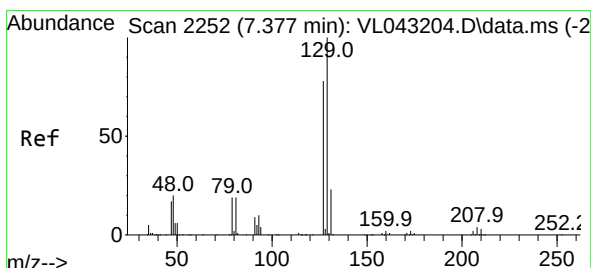
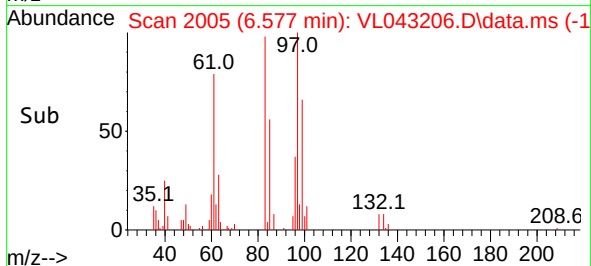
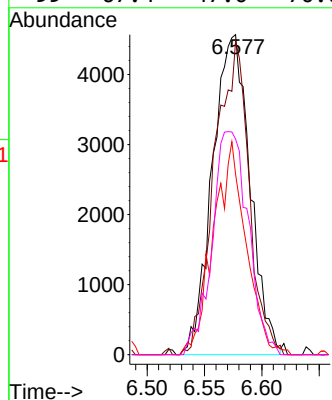
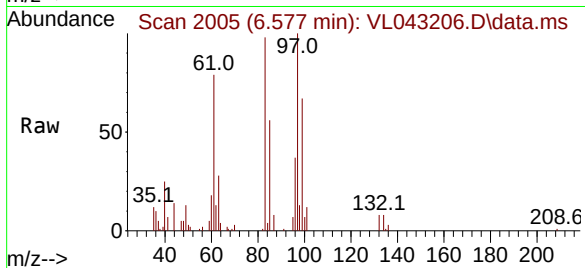
Ion Ratio Lower Upper

97 100

83 97.9 64.6 97.0#

85 56.4 39.4 59.2

99 67.4 47.0 70.6



#48

Dibromochloromethane

Concen: 1.041 ppbv

RT: 7.377 min Scan# 2252

Delta R.T. -0.000 min

Lab File: VL043206.D

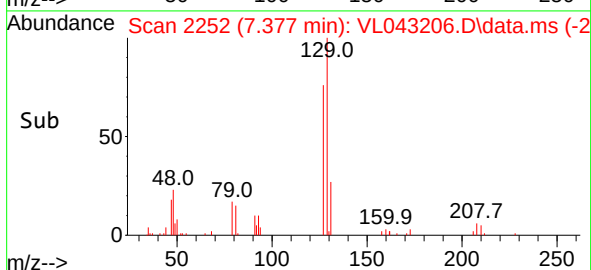
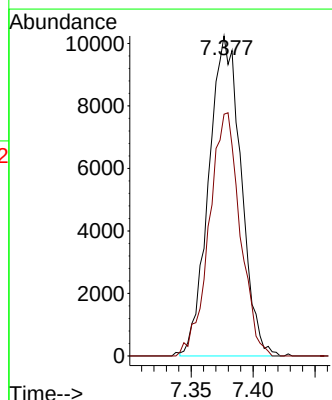
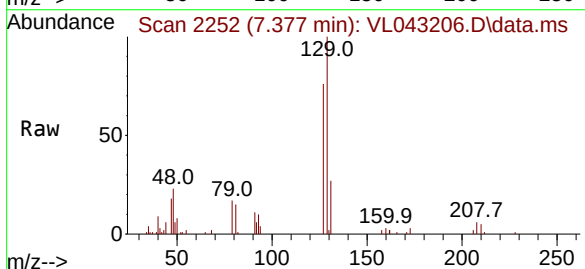
Acq: 18 Nov 2025 11:10

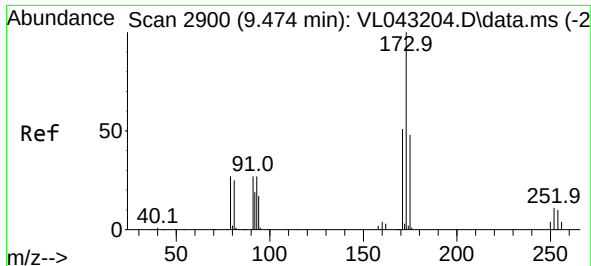
Tgt Ion: 129 Resp: 18560

Ion Ratio Lower Upper

129 100

127 72.8 39.3 117.9





#49

Bromoform

Concen: 1.004 ppbv

RT: 9.477 min Scan# 2900

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

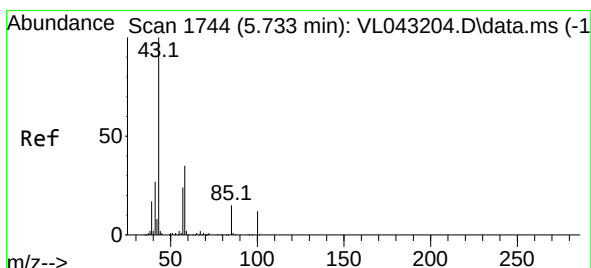
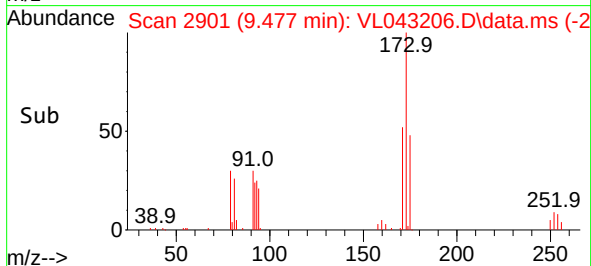
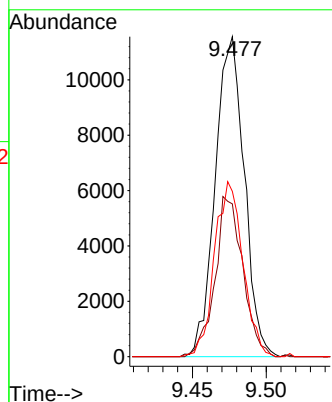
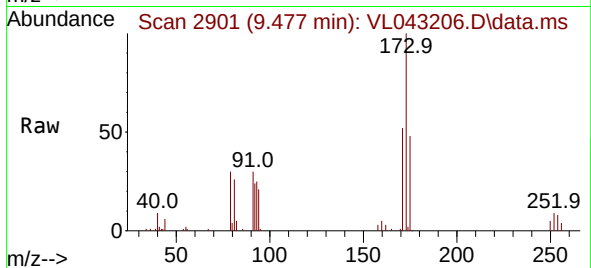
Tgt Ion:173 Resp: 15858

Ion Ratio Lower Upper

173 100

175 47.9 38.6 58.0

171 53.5 40.6 61.0



#50

4-Methyl-2-Pentanone

Concen: 1.067 ppbv

RT: 5.745 min Scan# 1748

Delta R.T. 0.013 min

Lab File: VL043206.D

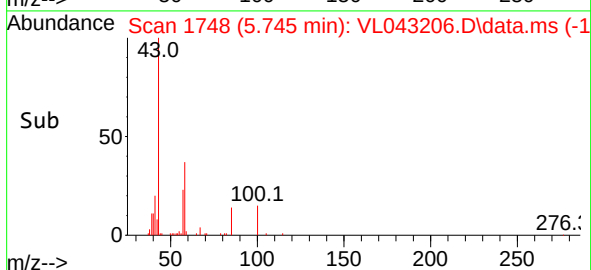
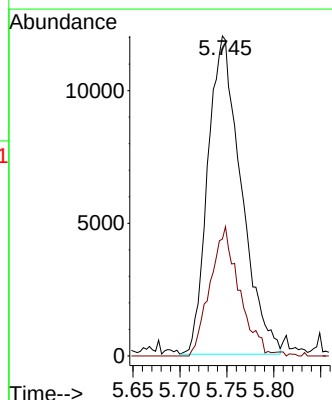
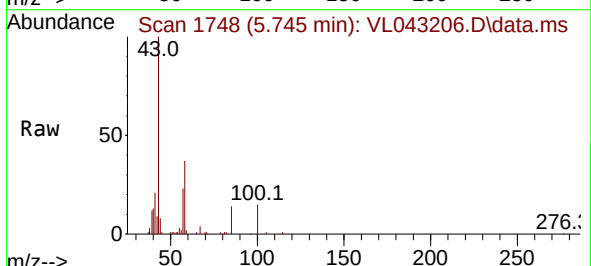
Acq: 18 Nov 2025 11:10

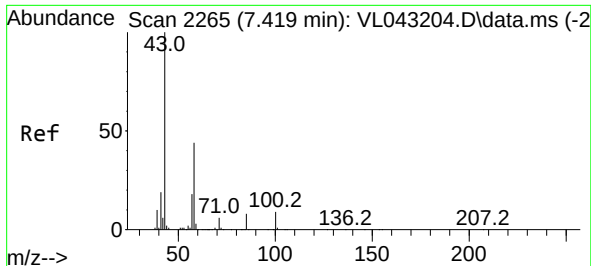
Tgt Ion: 43 Resp: 29560

Ion Ratio Lower Upper

43 100

58 36.1 28.4 42.6

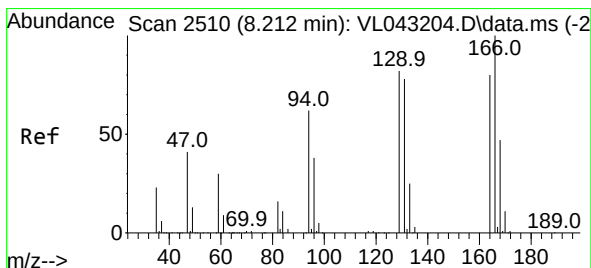
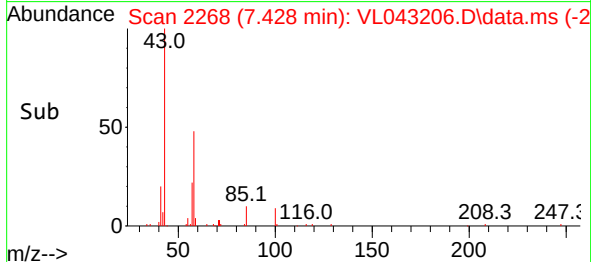
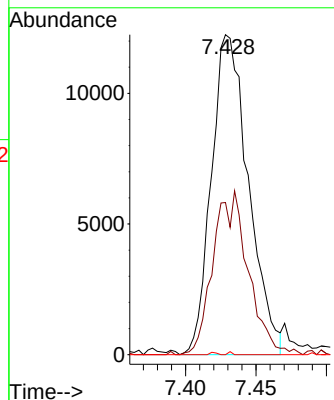
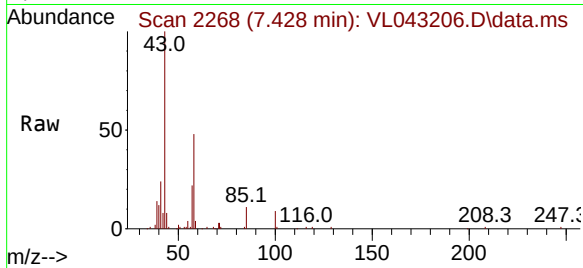




#51
2-Hexanone
Concen: 1.043 ppbv
RT: 7.428 min Scan# 2111
Delta R.T. 0.009 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

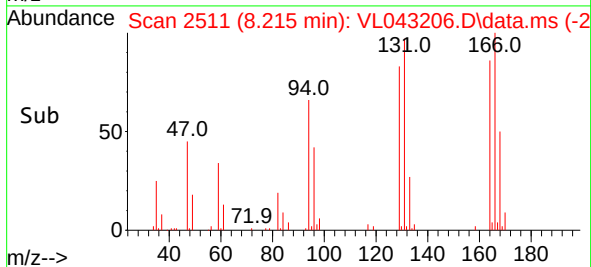
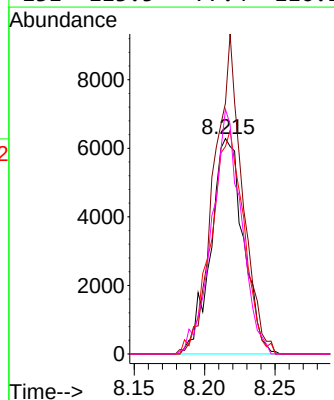
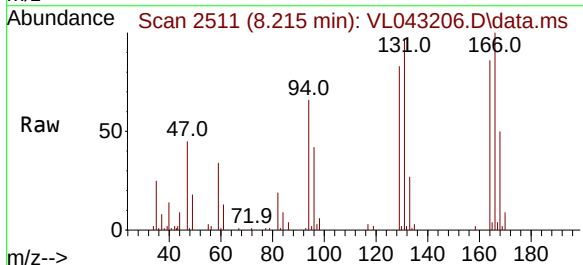
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

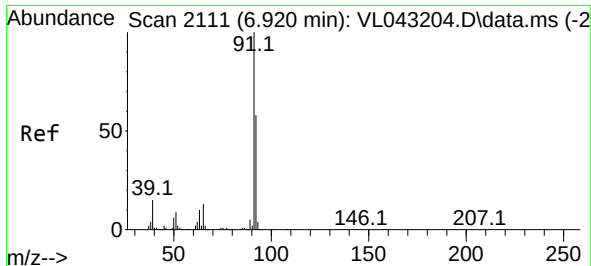
Tgt Ion: 43 Resp: 22438
Ion Ratio Lower Upper
43 100
58 49.4 38.4 57.6
98 0.2 0.0 0.0#



#52
Tetrachloroethene
Concen: 1.015 ppbv
RT: 8.215 min Scan# 2511
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 164 Resp: 10080
Ion Ratio Lower Upper
164 100
166 116.5 99.4 149.2
129 96.3 81.8 122.8
131 113.5 77.4 116.2

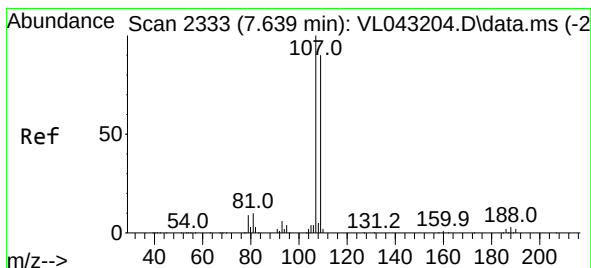
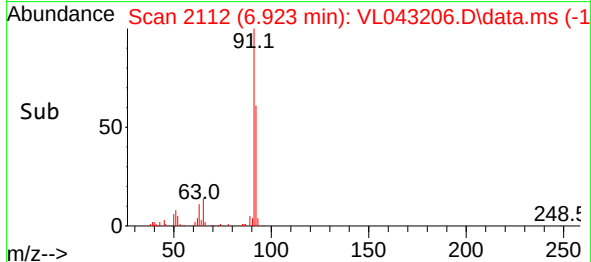
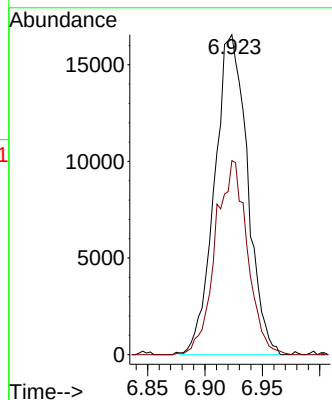
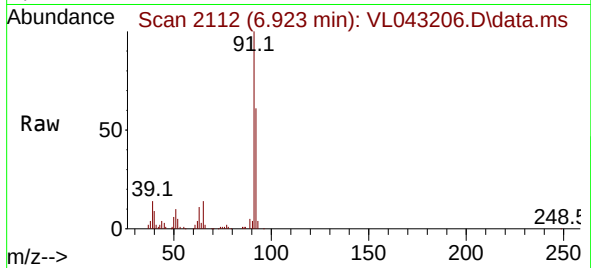




#53
Toluene
Concen: 1.036 ppbv
RT: 6.923 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

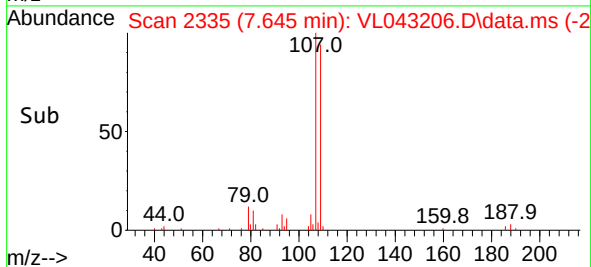
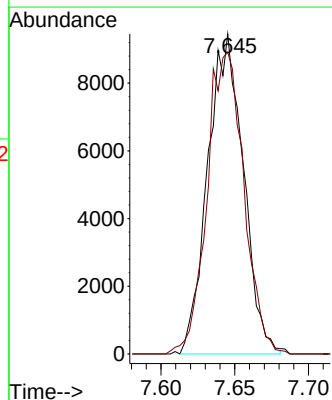
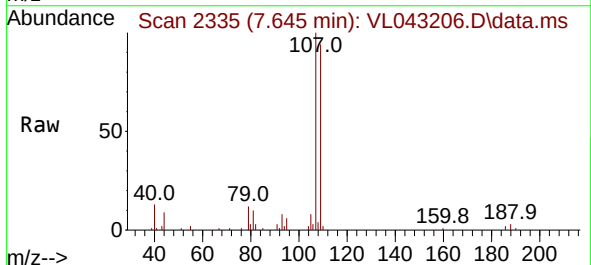
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

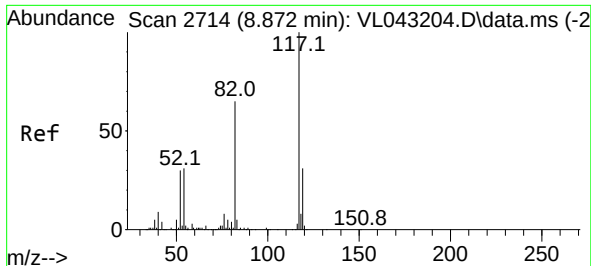
Tgt Ion: 91 Resp: 32951
Ion Ratio Lower Upper
91 100
92 59.0 47.4 71.0



#54
1,2-Dibromoethane
Concen: 1.040 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. 0.006 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 107 Resp: 15865
Ion Ratio Lower Upper
107 100
109 93.3 72.1 108.1

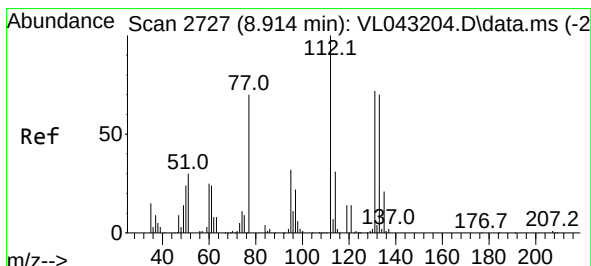
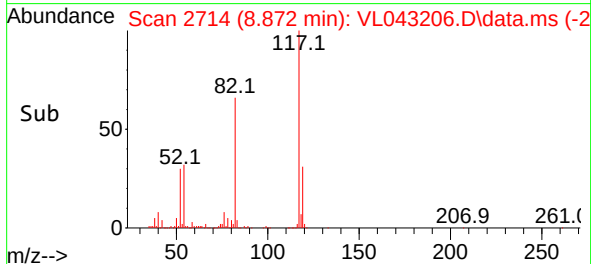
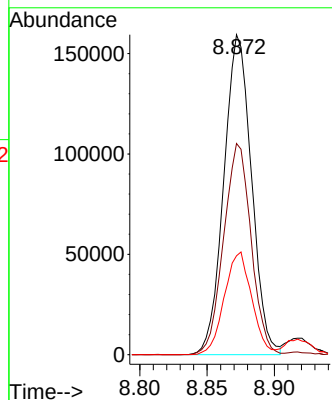
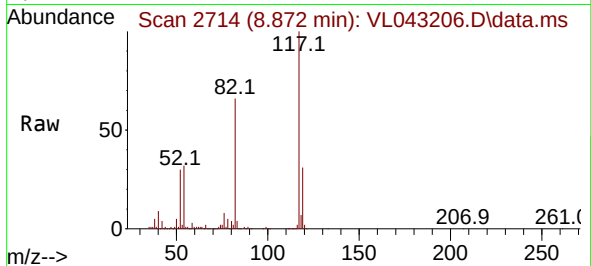




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

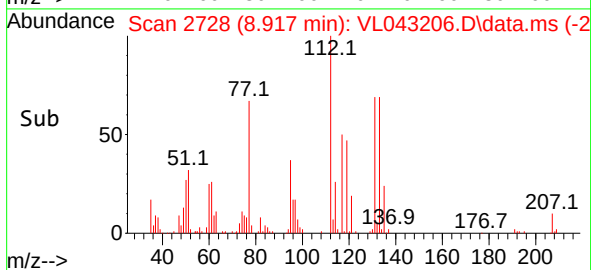
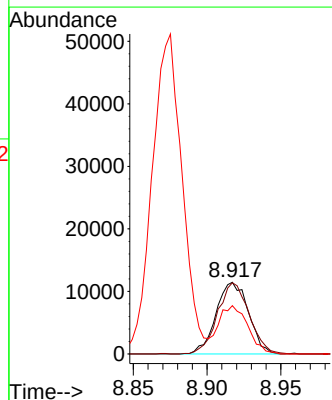
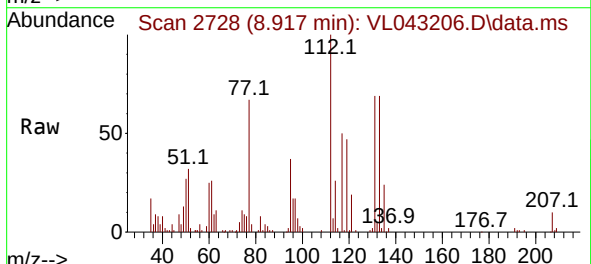
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

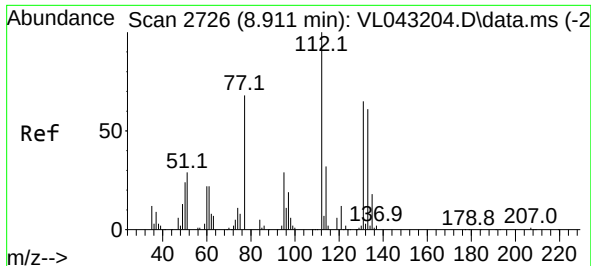
Tgt Ion:117 Resp: 227998
Ion Ratio Lower Upper
117 100
82 66.2 56.1 84.1
119 32.1 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 1.046 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:131 Resp: 17535
Ion Ratio Lower Upper
131 100
133 97.3 77.4 116.2
119 60.6 49.1 73.7

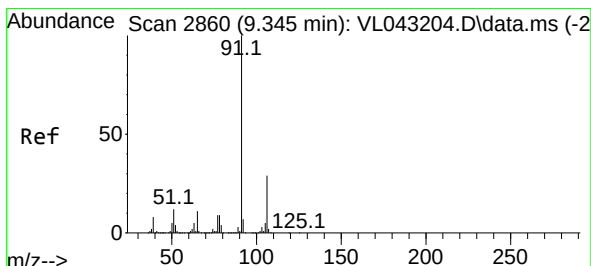
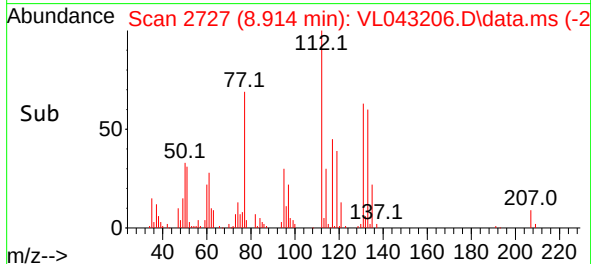
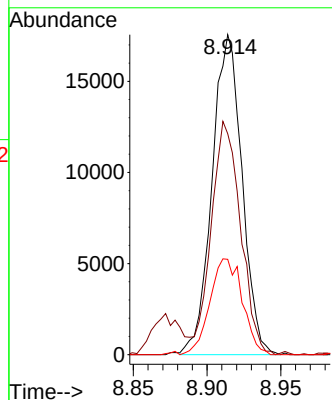
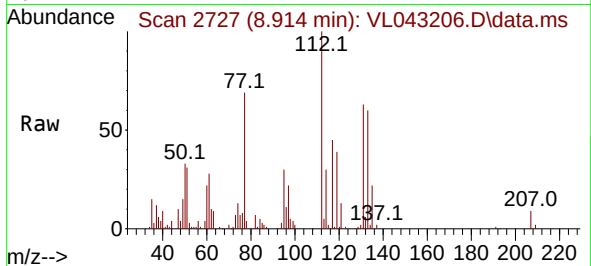




#57
Chlorobenzene
Concen: 1.060 ppbv
RT: 8.914 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

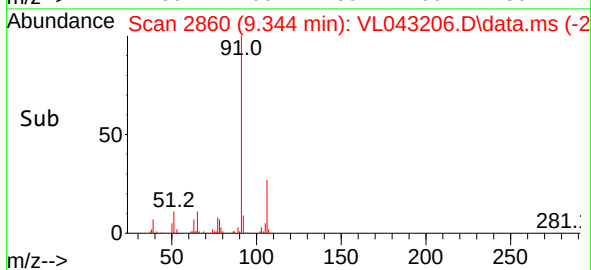
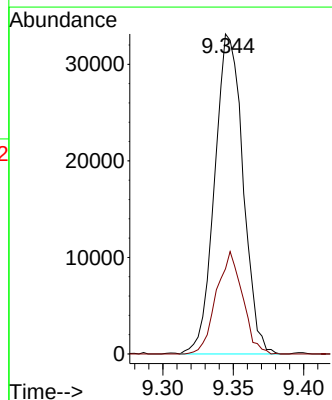
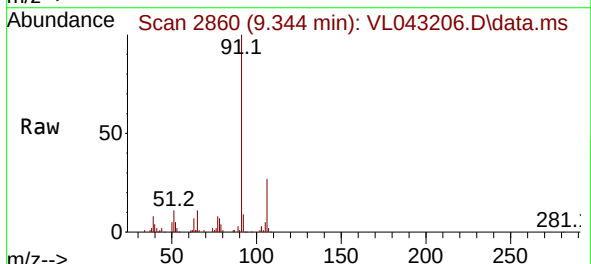
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

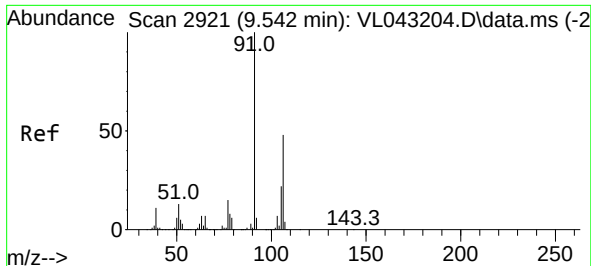
Tgt Ion:112 Resp: 24806
Ion Ratio Lower Upper
112 100
77 68.6 55.5 83.3
114 29.8 29.1 35.5



#58
Ethyl Benzene
Concen: 1.059 ppbv
RT: 9.344 min Scan# 2860
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 91 Resp: 46455
Ion Ratio Lower Upper
91 100
106 26.6 22.8 34.2





#59

m/p-Xylene

Concen: 0.911 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_1

ClientSampleId :

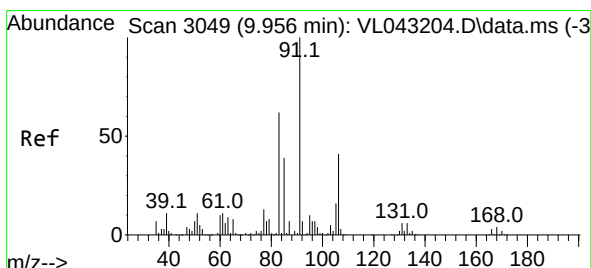
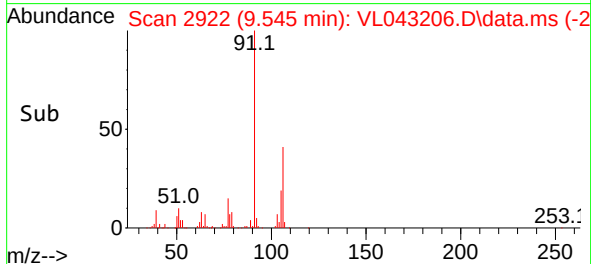
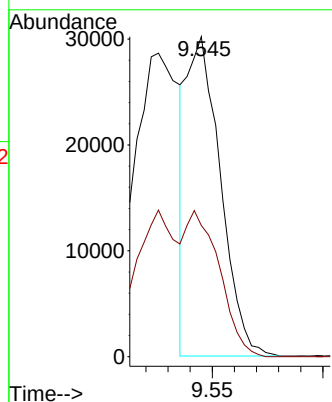
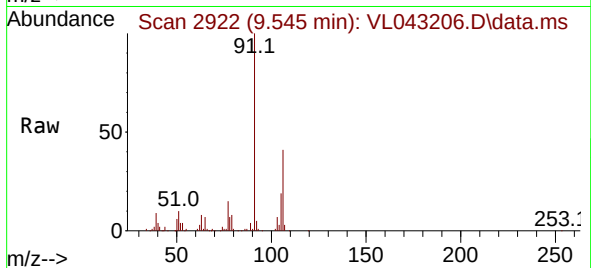
VSTDIC001

Tgt Ion: 91 Resp: 32159

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 1.054 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043206.D

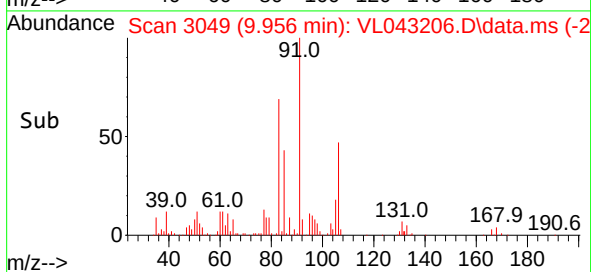
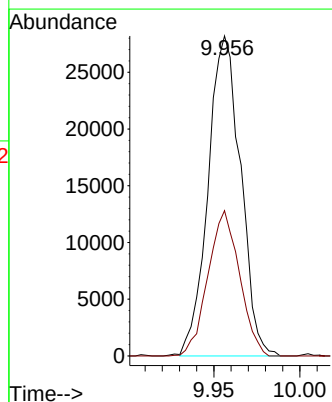
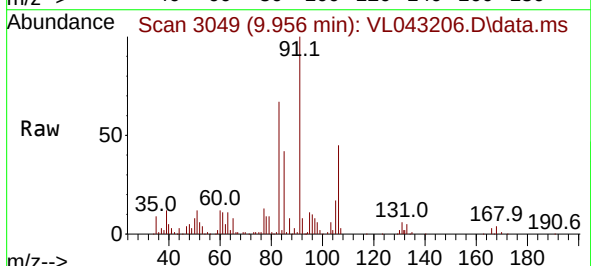
Acq: 18 Nov 2025 11:10

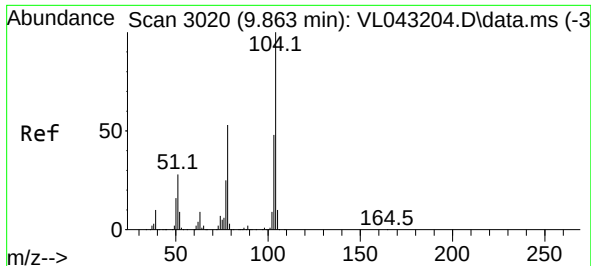
Tgt Ion: 91 Resp: 37054

Ion Ratio Lower Upper

91 100

106 44.1 20.9 62.8





#61

Styrene

Concen: 1.023 ppbv

RT: 9.866 min Scan# 3020

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

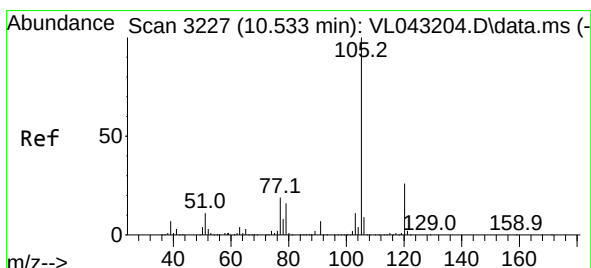
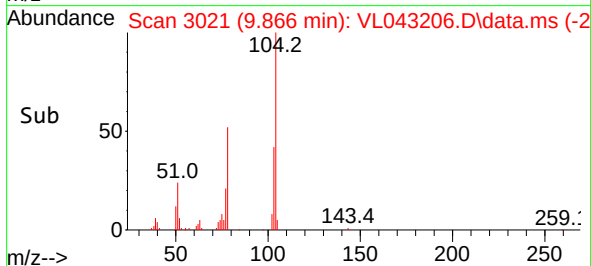
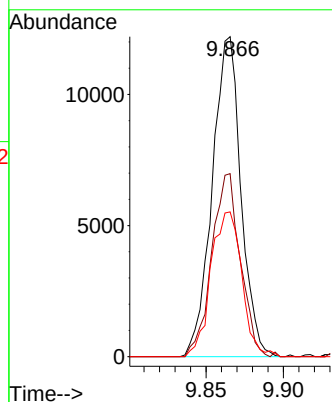
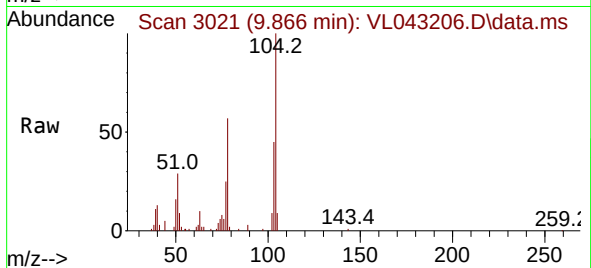
Tgt Ion:104 Resp: 15730

Ion Ratio Lower Upper

104 100

78 56.9 42.1 63.1

103 48.6 37.2 55.8



#62

Isopropylbenzene

Concen: 1.068 ppbv

RT: 10.532 min Scan# 3227

Delta R.T. -0.000 min

Lab File: VL043206.D

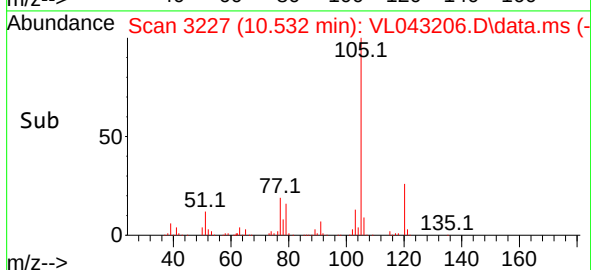
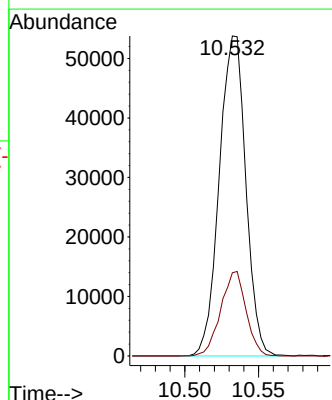
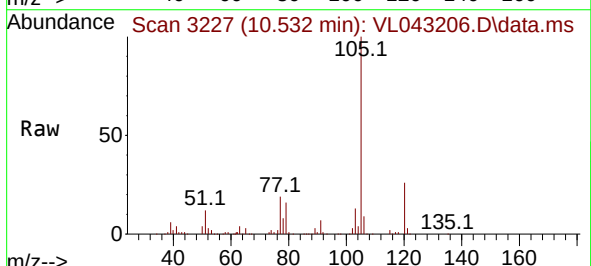
Acq: 18 Nov 2025 11:10

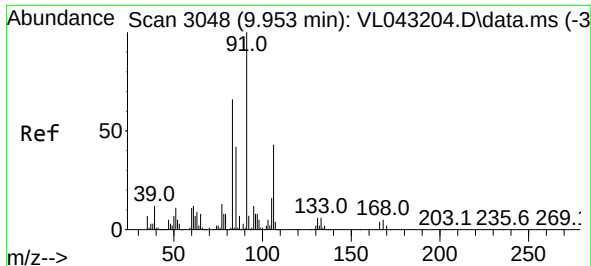
Tgt Ion:105 Resp: 67163

Ion Ratio Lower Upper

105 100

120 25.2 19.8 29.8

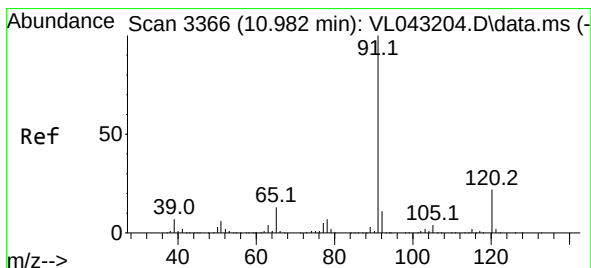
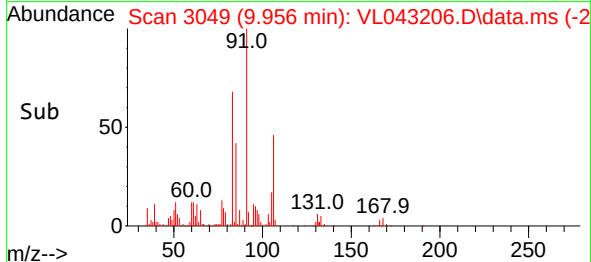
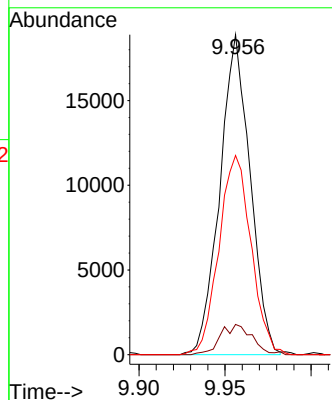
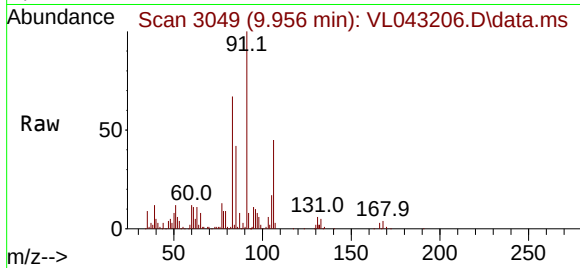




#63
1,1,2,2-Tetrachloroethane
Concen: 1.035 ppbv
RT: 9.956 min Scan# 3048
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

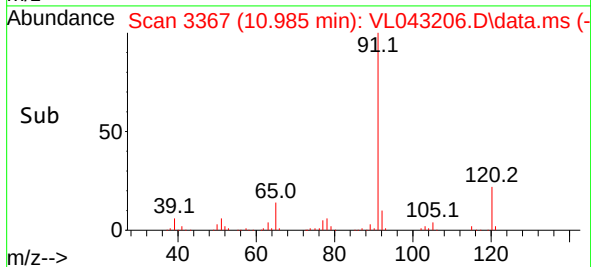
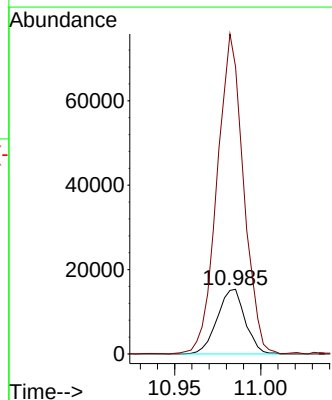
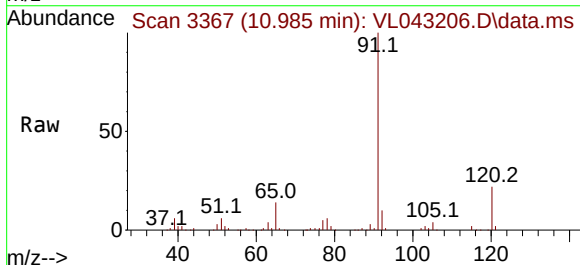
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

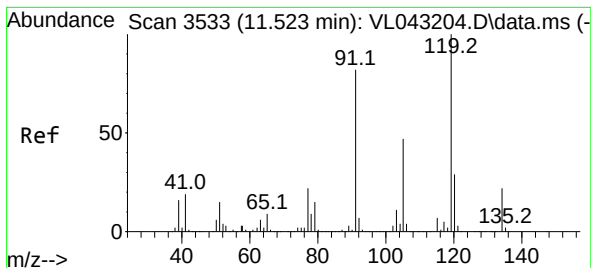
Tgt Ion: 83 Resp: 23083
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.3
85 66.2 31.9 95.9



#64
n-propylbenzene
Concen: 1.070 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion: 120 Resp: 17289
Ion Ratio Lower Upper
120 100
91 471.4 377.1 565.7





#65

tert-Butylbenzene

Concen: 1.091 ppbv

RT: 11.526 min Scan# 3533

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

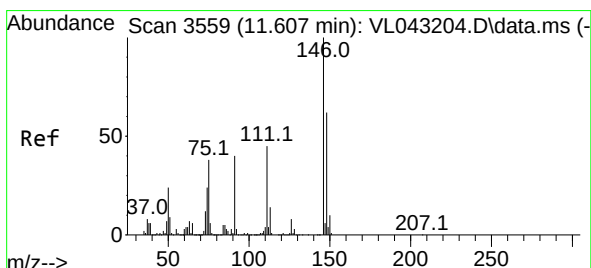
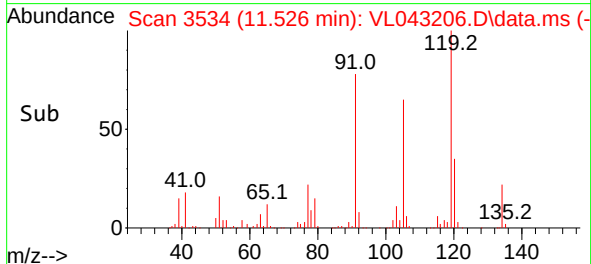
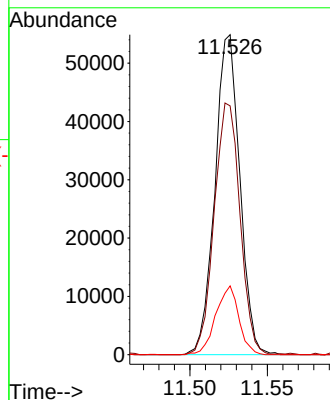
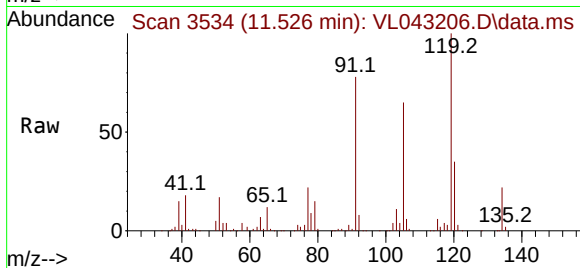
Tgt Ion:119 Resp: 61258

Ion Ratio Lower Upper

119 100

91 81.7 65.3 97.9

134 20.0 17.0 25.4



#66

Benzyl Chloride

Concen: 1.005 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

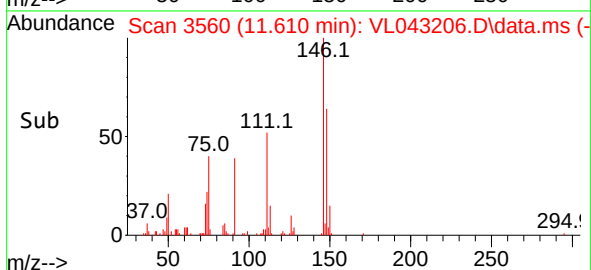
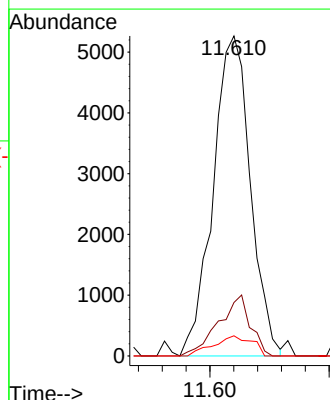
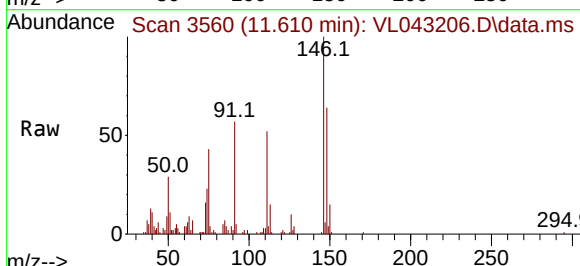
Tgt Ion: 91 Resp: 5729

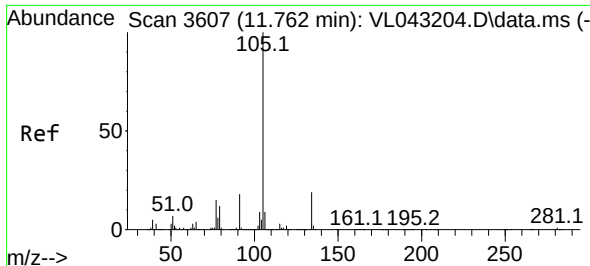
Ion Ratio Lower Upper

91 100

126 16.3 14.4 21.6

128 6.5 4.6 6.8

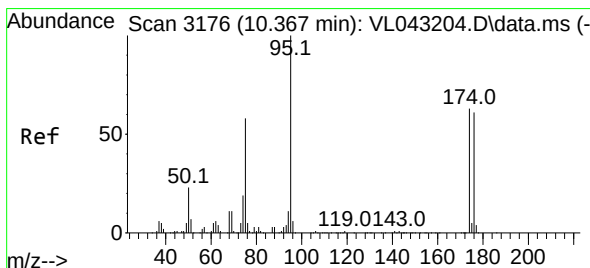
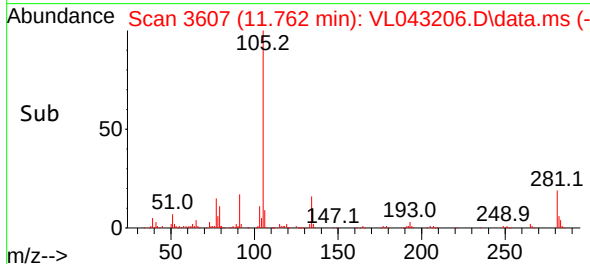
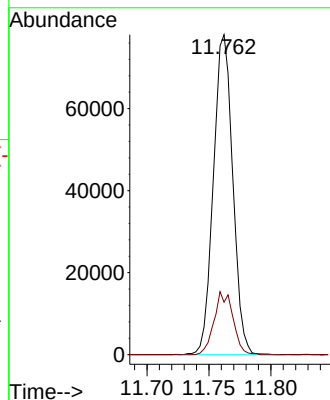
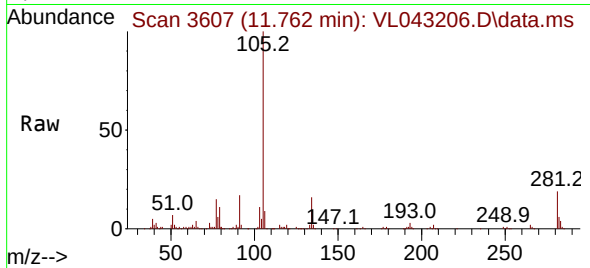




#67
 sec-Butylbenzene
 Concen: 1.084 ppbv
 RT: 11.762 min Scan# 3177
 Delta R.T. -0.000 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

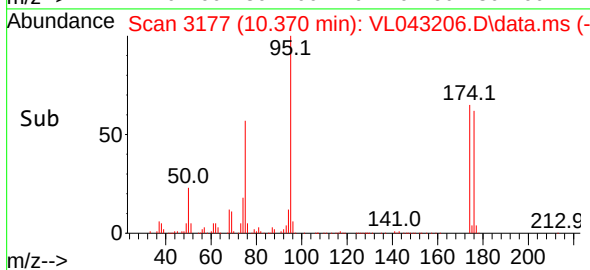
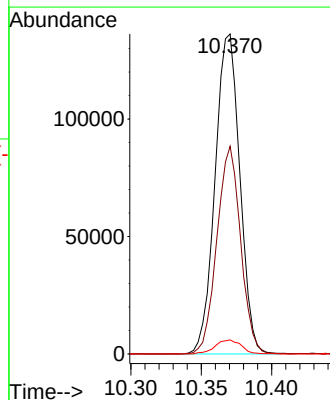
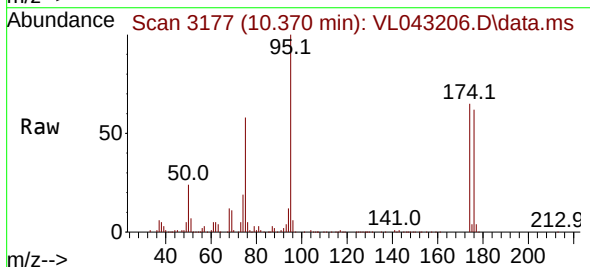
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

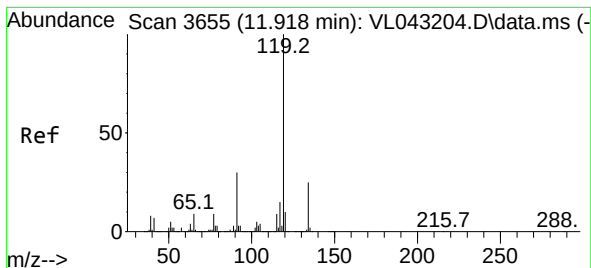
Tgt Ion:105 Resp: 84989
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.996 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.003 min
 Lab File: VL043206.D
 Acq: 18 Nov 2025 11:10

Tgt Ion: 95 Resp: 167061
 Ion Ratio Lower Upper
 95 100
 174 62.1 50.2 75.2
 175 4.6 4.1 6.1





#69

p-Isopropyltoluene

Concen: 1.054 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

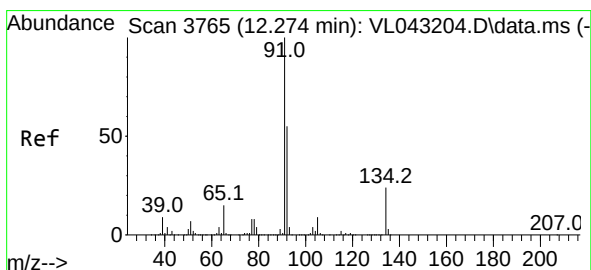
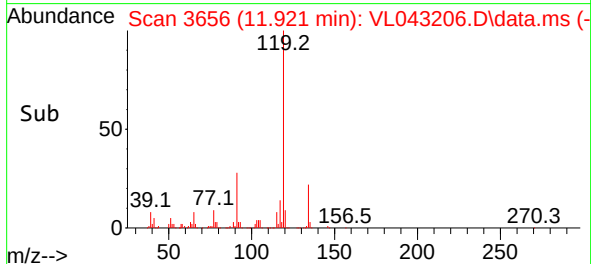
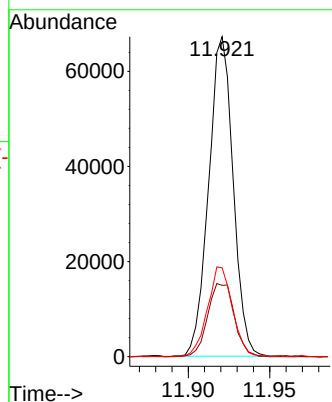
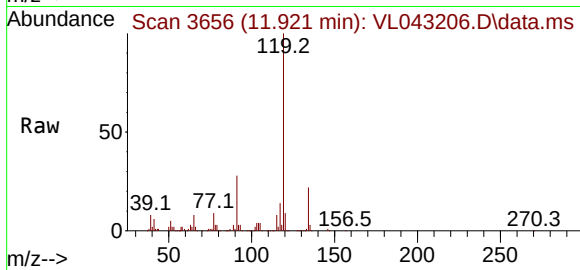
Tgt Ion:119 Resp: 69993

Ion Ratio Lower Upper

119 100

134 25.0 20.2 30.2

91 28.9 23.8 35.8



#70

n-Butylbenzene

Concen: 1.076 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. 0.003 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

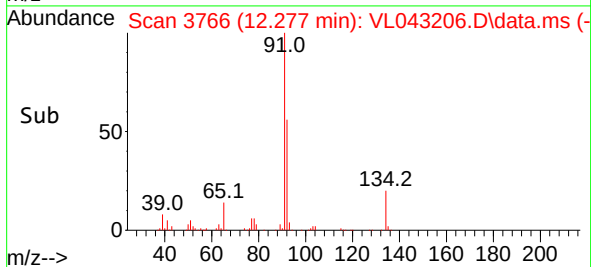
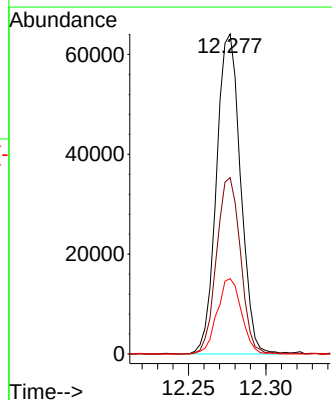
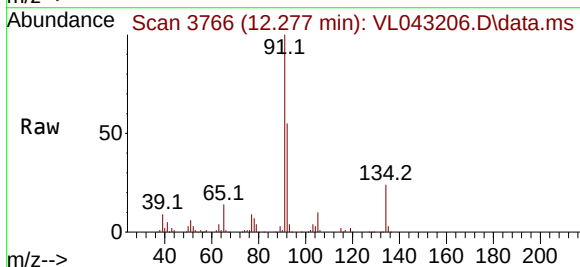
Tgt Ion: 91 Resp: 69323

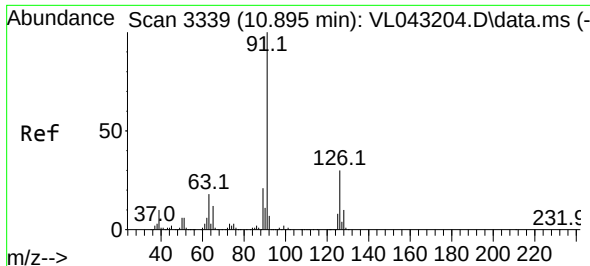
Ion Ratio Lower Upper

91 100

92 55.0 43.5 65.3

134 23.8 19.0 28.6

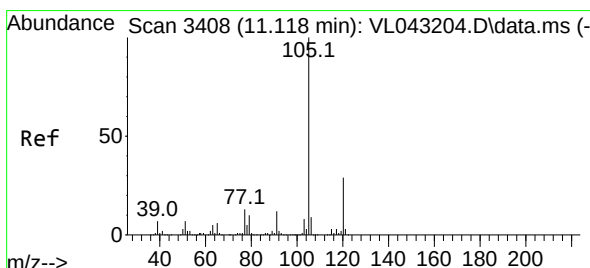
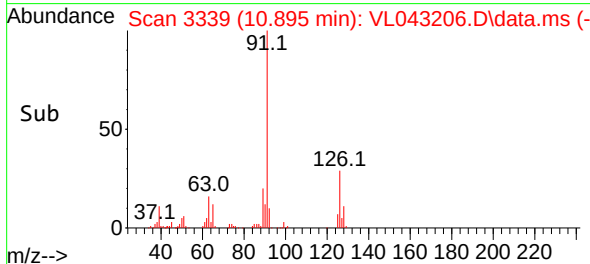
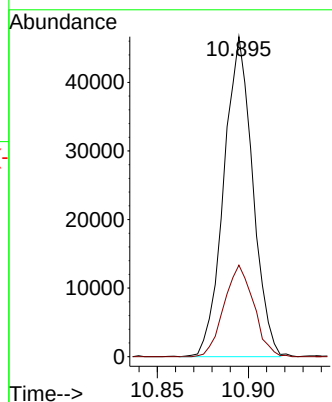
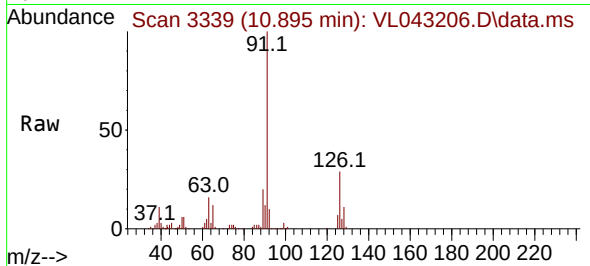




#71
2-Chlorotoluene
Concen: 1.065 ppbv
RT: 10.895 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

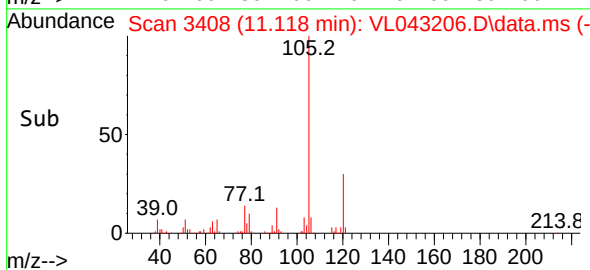
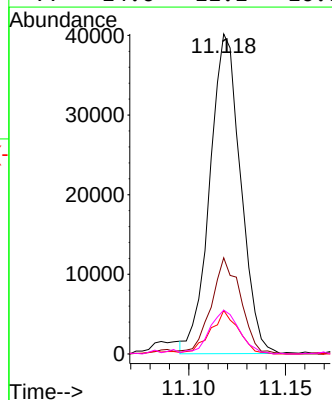
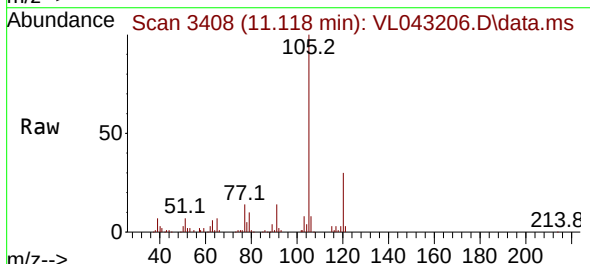
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

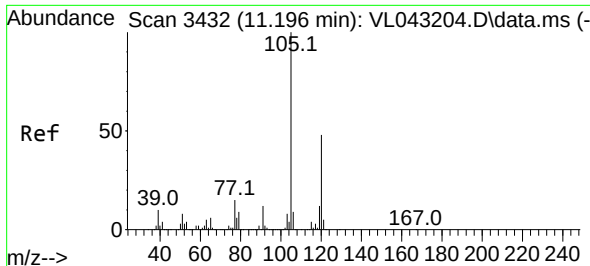
Tgt Ion: 91 Resp: 51452
Ion Ratio Lower Upper
91 100
126 29.3 11.7 46.7



#72
4-Ethyltoluene
Concen: 1.037 ppbv
RT: 11.118 min Scan# 3408
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 44403
Ion Ratio Lower Upper
105 100
120 29.8 23.8 35.8
91 13.2 10.3 15.5
77 14.6 11.1 16.7

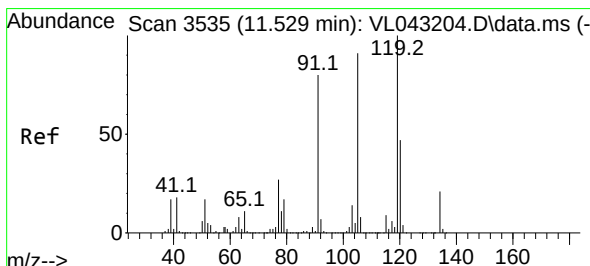
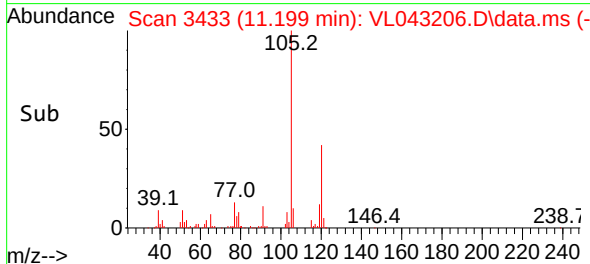
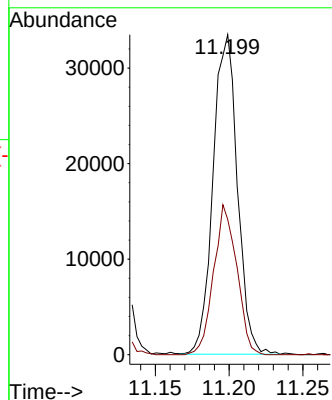
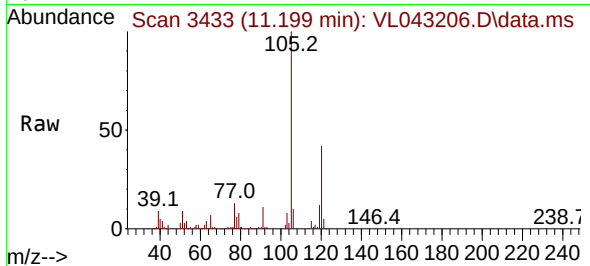




#73
1,3,5-Trimethylbenzene
Concen: 1.068 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

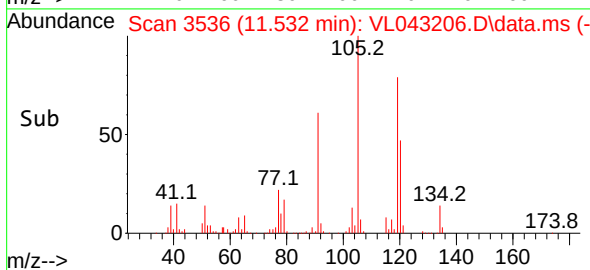
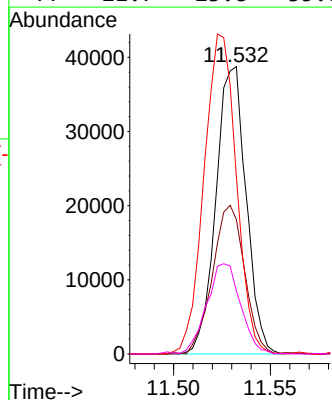
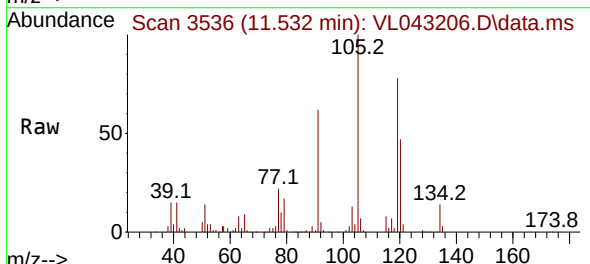
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

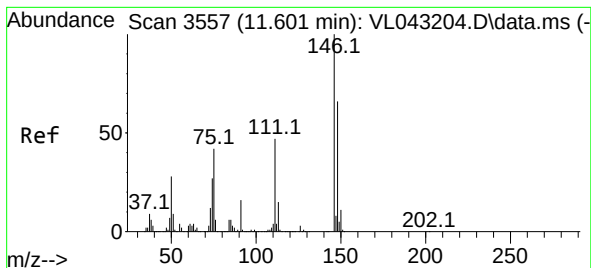
Tgt Ion:105 Resp: 38350
Ion Ratio Lower Upper
105 100
120 42.3 38.6 57.8



#74
1,2,4-Trimethylbenzene
Concen: 1.073 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:105 Resp: 42051
Ion Ratio Lower Upper
105 100
120 46.8 41.7 62.5
91 61.4 70.0 105.0#
77 21.7 23.8 35.8#





#75

1,3-Dichlorobenzene

Concen: 1.050 ppbv

RT: 11.600 min Scan# 3557

Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

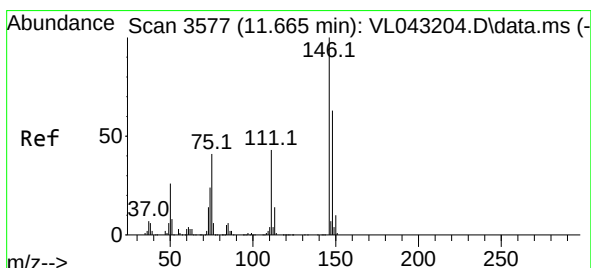
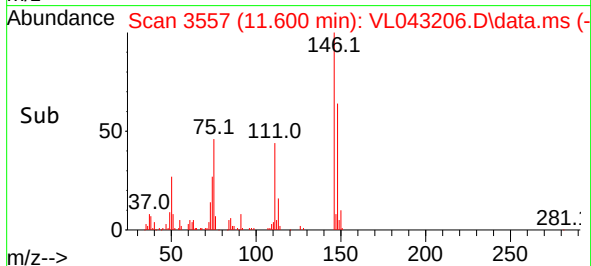
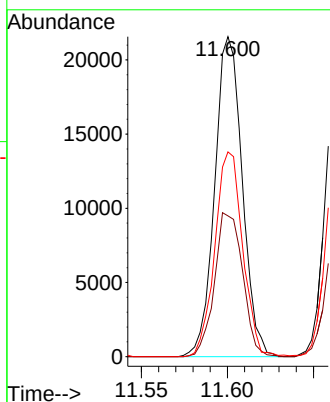
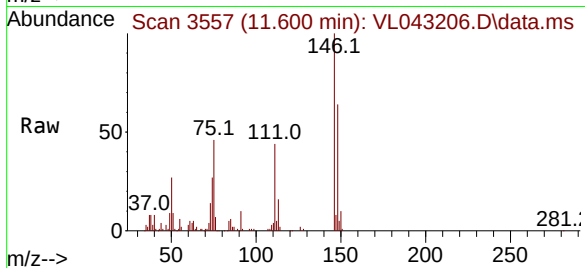
Tgt Ion:146 Resp: 24011

Ion Ratio Lower Upper

146 100

111 45.9 23.4 70.3

148 64.7 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 1.029 ppbv

RT: 11.665 min Scan# 3577

Delta R.T. -0.000 min

Lab File: VL043206.D

Acq: 18 Nov 2025 11:10

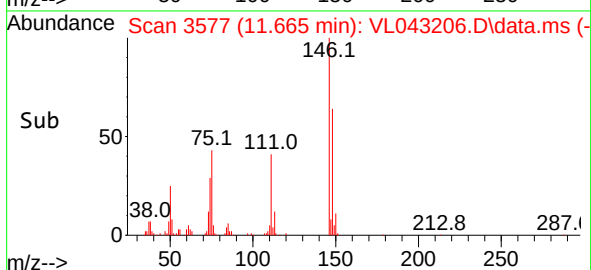
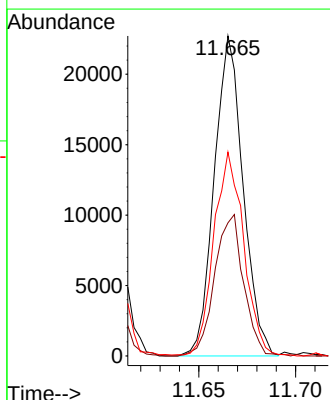
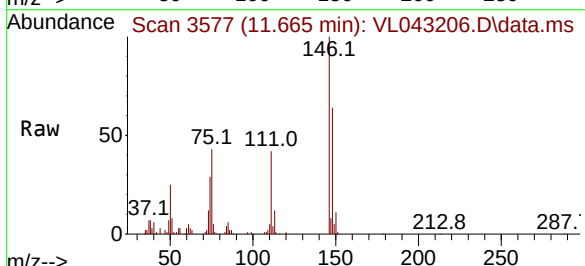
Tgt Ion:146 Resp: 23543

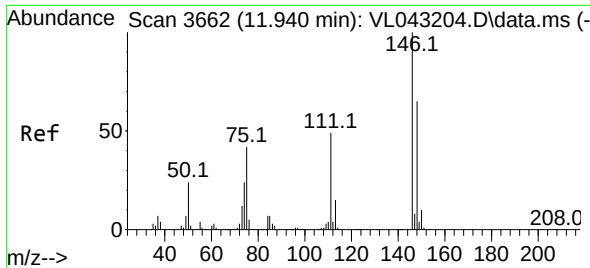
Ion Ratio Lower Upper

146 100

111 44.5 22.8 68.3

148 66.4 31.8 95.4

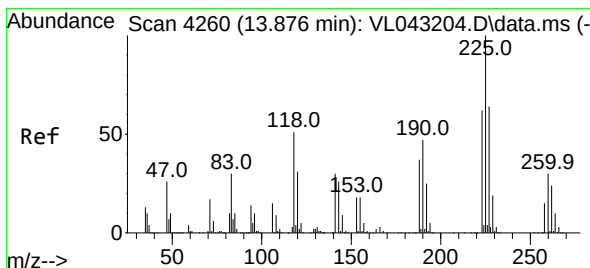
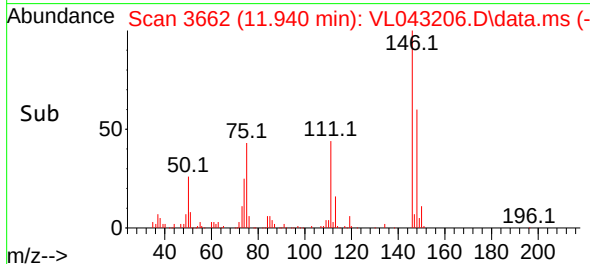
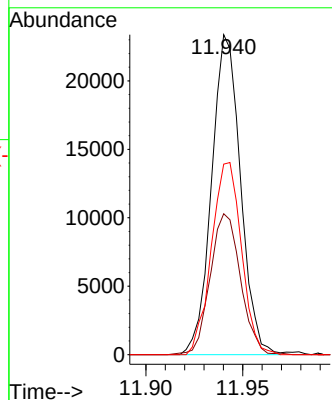
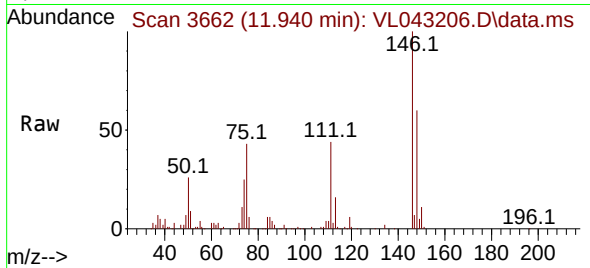




#77
1,2-Dichlorobenzene
Concen: 1.103 ppbv
RT: 11.940 min Scan# 3662
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

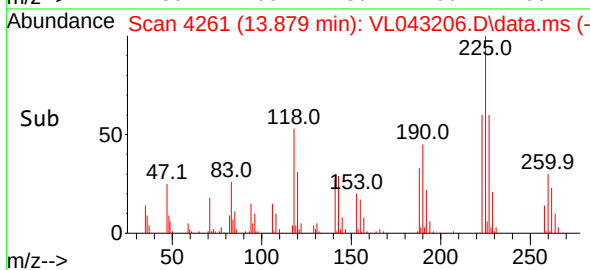
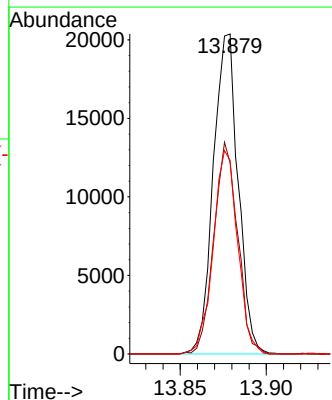
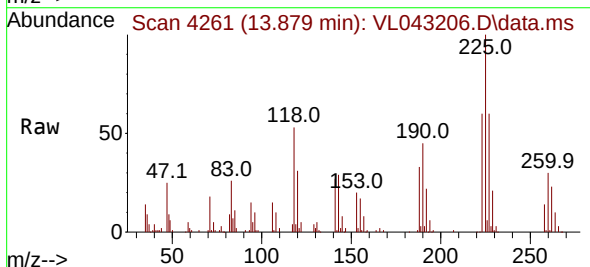
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

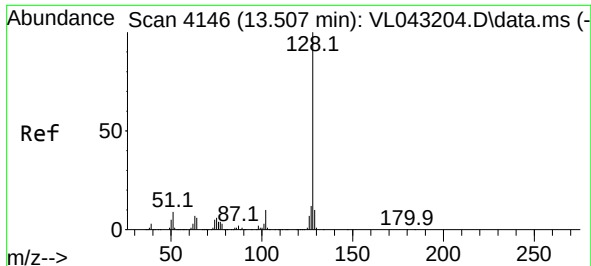
Tgt Ion:	146	Resp:	24248
Ion Ratio	Lower	Upper	
146	100		
111	46.3	24.3	73.0
148	62.3	31.6	94.7



#78
Hexachloro-1,3-Butadiene
Concen: 1.116 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:	225	Resp:	20489
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.2	75.4
227	62.5	51.1	76.7

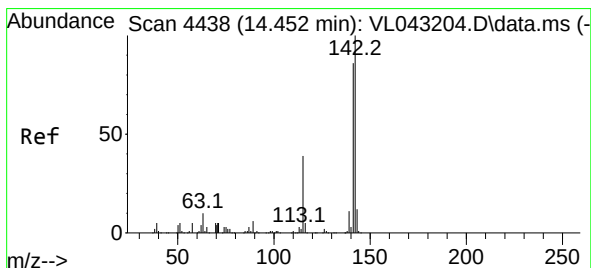
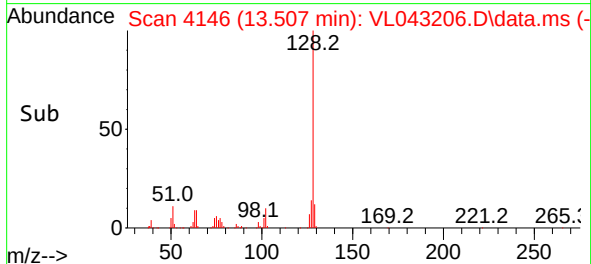
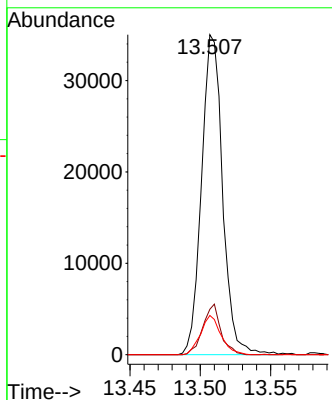
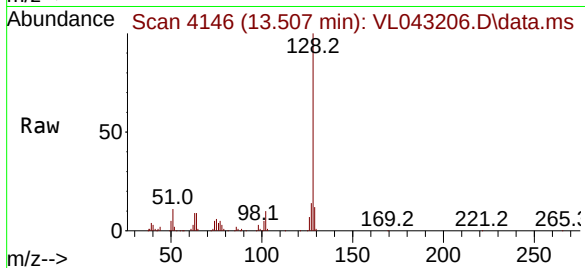




#79
Naphthalene
Concen: 1.047 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.000 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

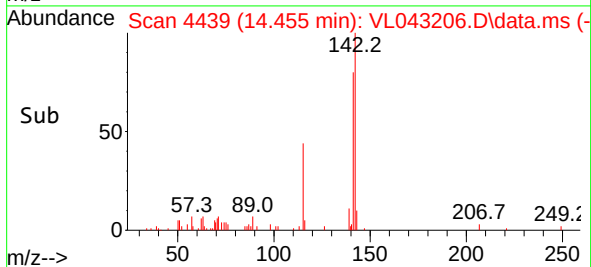
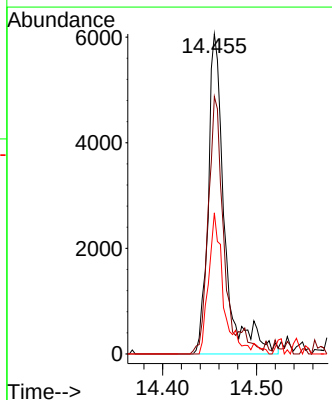
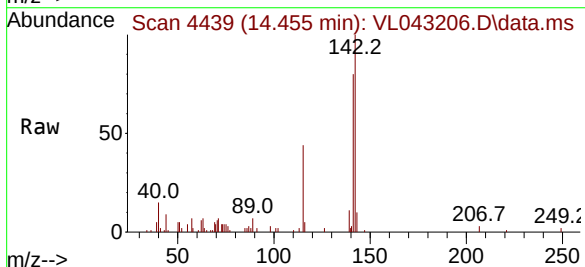
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

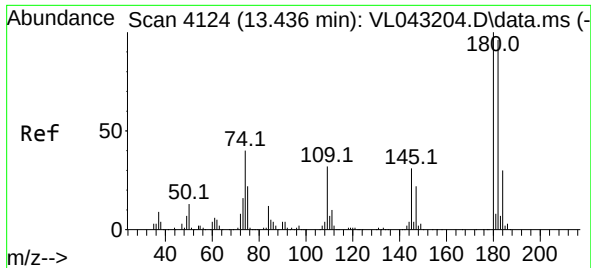
Tgt Ion:128 Resp: 36462
Ion Ratio Lower Upper
128 100
127 14.2 9.9 14.9
129 12.2 8.4 12.6



#80
Naphthalene,2-methyl-
Concen: 0.807 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.003 min
Lab File: VL043206.D
Acq: 18 Nov 2025 11:10

Tgt Ion:142 Resp: 7375
Ion Ratio Lower Upper
142 100
141 77.8 67.1 100.7
115 40.8 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 1.014 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043206.D

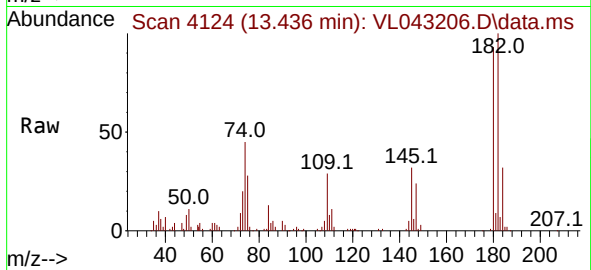
Acq: 18 Nov 2025 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 15785

Ion Ratio Lower Upper

180 100

182 98.2 77.4 116.2

184 33.4 24.2 36.4

