

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
 Data File : VL043208.D
 Acq On : 18 Nov 2025 12:16
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Nov 19 00:51:52 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	101366	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	273996	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	222034	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	160968	9.890	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.554	85	1358	0.095	ppbv	99
3) Chlorodifluoromethane	1.476	51	1436	0.102	ppbv #	52
4) Chloromethane	1.534	50	638	0.119	ppbv #	82
5) Vinyl Chloride	1.580	62	664	0.114	ppbv	97
6) Bromomethane	1.667	94	352	0.124	ppbv	88
7) Chloroethane	1.706	64	275	0.121	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	1358	0.114	ppbv #	78
9) Propene	1.486	41	811	0.124	ppbv #	1
10) Heptane	4.972	43	480	0.027	ppbv #	1
11) Trichlorofluoromethane	1.877	101	1744	0.126	ppbv	87
12) 1,1,2-Trichlorotrifluo...	2.140	101	1249	0.115	ppbv	98
13) Ethanol	1.887	45	1141	0.543	ppbv	75
14) Bromoethene	1.780	108	456	0.110	ppbv #	71
15) Acetone	1.835	43	2574	0.183	ppbv	96
16) 1,3-Butadiene	1.609	39	1049	0.167	ppbv #	57
17) tert-Butyl alcohol	2.039	59	2464	0.133	ppbv #	30
18) 1,1-Dichloroethene	2.033	96	620	0.123	ppbv	81
19) Isopropyl Alcohol	1.887	45	1141	0.143	ppbv #	55
20) Methylene Chloride	2.062	84	3550	0.077	ppbv	91
21) Allyl Chloride	2.097	41	1553	0.164	ppbv #	45
22) trans-1,2-Dichloroethene	2.033	96	620	0.108	ppbv	96
23) Vinyl Acetate	2.460	43	2093	0.123	ppbv #	92
24) 1,1-Dichloroethane	2.408	63	1242	0.112	ppbv #	82
25) Ethyl Acetate	2.832	43	3043	0.100	ppbv #	93
26) Hexane	2.822	57	1613	0.121	ppbv	93
27) Carbon Disulfide	2.152	76	1422	0.105	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	585	0.089	ppbv #	50
29) Chloroform	2.845	83	2028	0.107	ppbv	92
30) Cyclohexane	3.845	84	893	0.080	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	1331	0.101	ppbv #	89
32) 1,1,1-Trichloroethane	3.369	97	999	0.049	ppbv #	11
34) 2-Butanone	2.560	43	2593	0.134	ppbv	96
35) Carbon Tetrachloride	3.761	117	901	0.043	ppbv #	88
36) Benzene	3.651	78	1569	0.060	ppbv #	79
37) 1,2-Dichloroethane	3.214	62	1537	0.100	ppbv	100
38) Trichloroethene	4.541	130	502	0.049	ppbv #	29
39) 1,2-Dichloropropane	3.949	63	69214	7.207	ppbv #	25
40) 1,4-Dioxane	4.596	88	308	0.071	ppbv #	16
41) Tetrahydrofuran	3.062	42	868	0.081	ppbv #	62
42) Bromodichloromethane	4.493	83	806	0.038	ppbv	95
43) Methyl Methacrylate	4.865	69	396	0.028	ppbv #	1
44) 2,2,4-Trimethylpentane	4.625	57	4980	0.110	ppbv #	81
45) t-1,3-Dichloropropene	6.405	75	645	0.050	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111825\
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 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

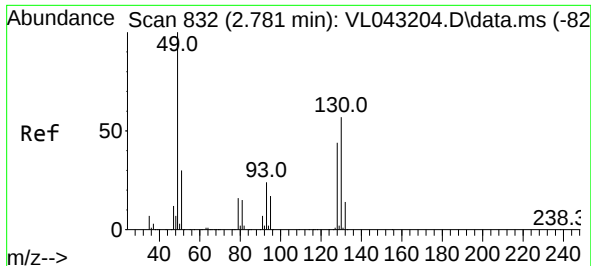
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 00:48:15 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.583	75	359	0.024	ppbv	#	72
47) 1,1,2-Trichloroethane	6.574	97	347	0.034	ppbv	#	51
48) Dibromochloromethane	7.389	129	237	0.014	ppbv	#	1
49) Bromoform	9.474	173	1357	0.087	ppbv	#	84
50) 4-Methyl-2-Pentanone	5.732	43	149	0.005	ppbv	#	39
51) 2-Hexanone	7.415	43	83	0.004	ppbv	#	29
52) Tetrachloroethene	8.218	164	248	0.025	ppbv	#	61
53) Toluene	6.927	91	734	0.023	ppbv	#	21
54) 1,2-Dibromoethane	7.648	107	719	0.048	ppbv		95
56) 1,1,1,2-Tetrachloroethane	8.914	131	760	0.047	ppbv	#	9
57) Chlorobenzene	8.917	112	1955	0.086	ppbv	#	81
58) Ethyl Benzene	9.348	91	5157	0.121	ppbv	#	86
59) m/p-Xylene	9.545	91	3099	0.090	ppbv	#	31
60) o-Xylene	9.956	91	3453	0.101	ppbv		91
61) Styrene	9.859	104	1176	0.079	ppbv	#	49
62) Isopropylbenzene	10.532	105	6313	0.103	ppbv		96
63) 1,1,2,2-Tetrachloroethane	9.953	83	1380	0.064	ppbv	#	58
64) n-propylbenzene	10.989	120	1635	0.104	ppbv		87
65) tert-Butylbenzene	11.529	119	5745	0.105	ppbv		91
66) Benzyl Chloride	11.613	91	125	0.023	ppbv	#	65
67) sec-Butylbenzene	11.762	105	7764	0.102	ppbv		94
69) p-Isopropyltoluene	11.921	119	6425	0.099	ppbv		99
70) n-Butylbenzene	12.280	91	5160	0.082	ppbv		93
71) 2-Chlorotoluene	10.898	91	5248	0.111	ppbv		93
72) 4-Ethyltoluene	11.124	105	4061	0.097	ppbv		96
73) 1,3,5-Trimethylbenzene	11.196	105	3445	0.098	ppbv		92
74) 1,2,4-Trimethylbenzene	11.536	105	1485	0.039	ppbv	#	73
75) 1,3-Dichlorobenzene	11.604	146	1935	0.087	ppbv		98
76) 1,4-Dichlorobenzene	11.668	146	2131	0.096	ppbv		89
77) 1,2-Dichlorobenzene	11.943	146	2051	0.096	ppbv		96
78) Hexachloro-1,3-Butadiene	13.876	225	1837	0.103	ppbv	#	89
79) Naphthalene	13.510	128	2112	0.062	ppbv	#	87
80) Naphthalene,2-methyl-	14.507	142	309	0.035	ppbv	#	65
81) 1,2,4-Trichlorobenzene	13.439	180	350	0.023	ppbv	#	12

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

Quant Time: Nov 19 00:51:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
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QLast Update : Wed Nov 19 00:48:15 2025
Response via : Initial Calibration

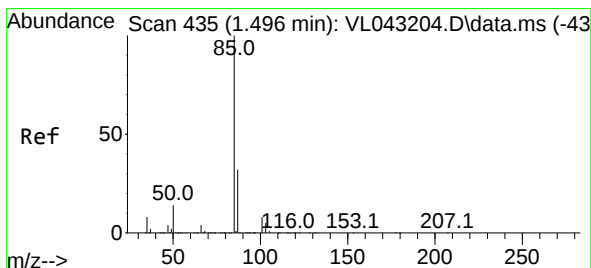
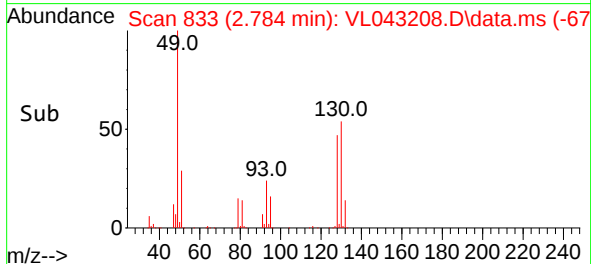
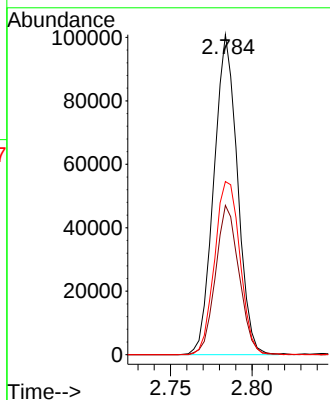
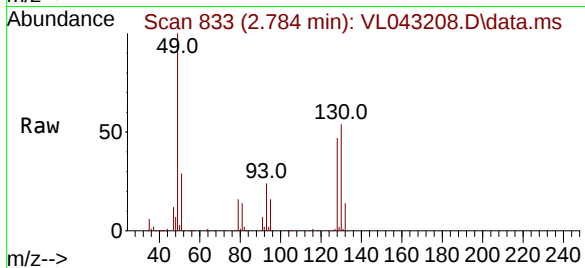




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

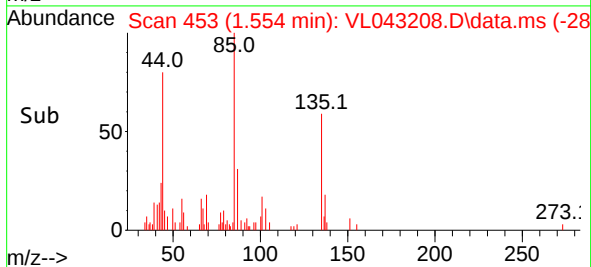
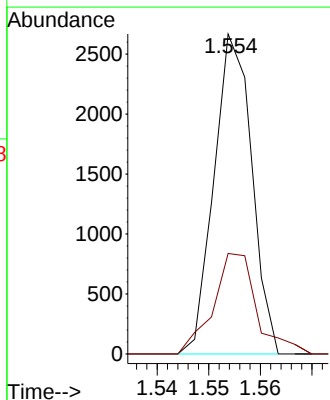
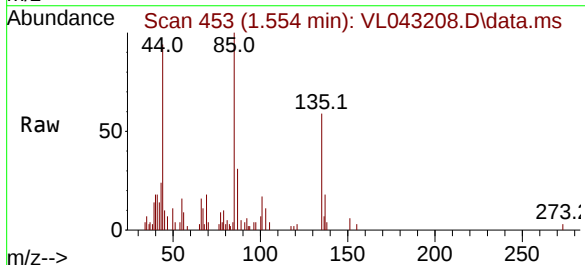
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MSVOA_1
ClientSampleId :
VSTDIC0.1

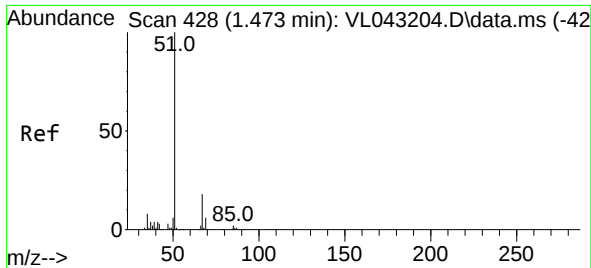
Tgt Ion: 49 Resp: 101366
Ion Ratio Lower Upper
49 100
128 46.8 23.0 69.0
130 58.3 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 0.095 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.058 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 85 Resp: 1358
Ion Ratio Lower Upper
85 100
87 31.4 25.4 38.2

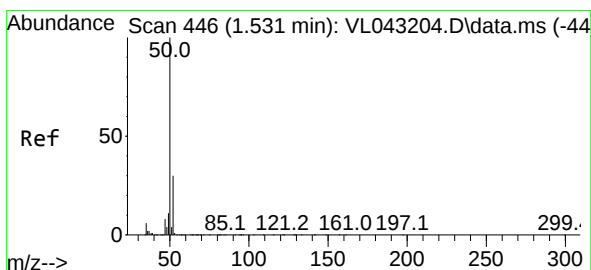
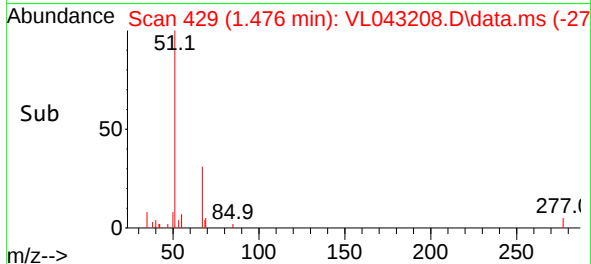
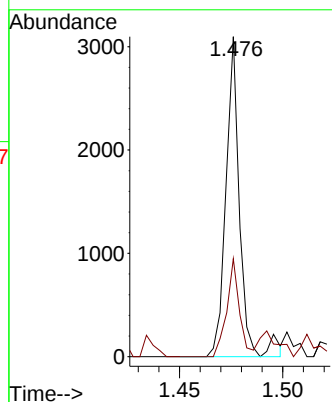
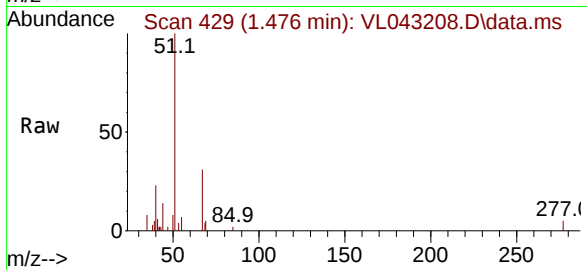




#3
Chlorodifluoromethane
Concen: 0.102 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

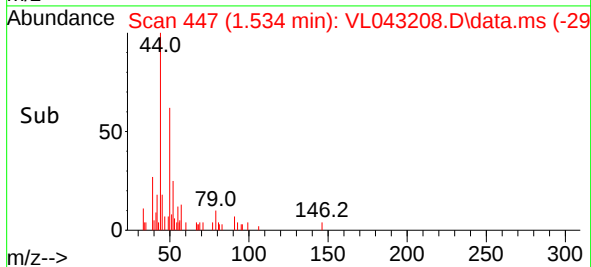
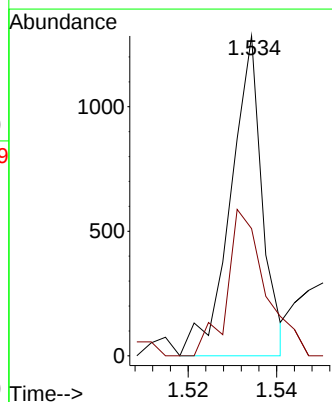
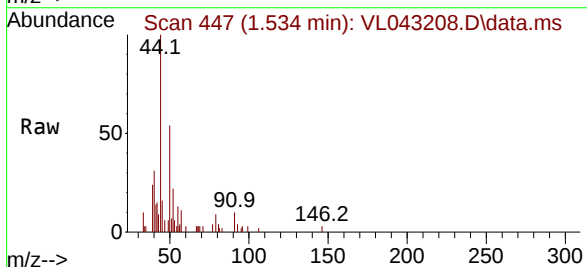
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

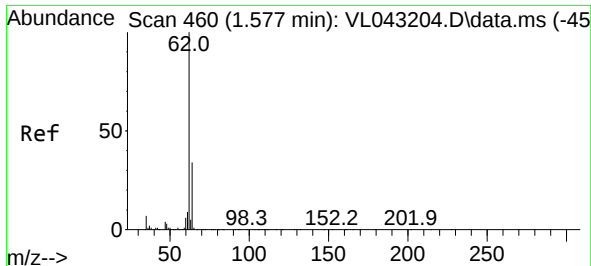
Tgt Ion: 51 Resp: 1436
Ion Ratio Lower Upper
51 100
67 40.2 14.9 22.3#



#4
Chloromethane
Concen: 0.119 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 50 Resp: 638
Ion Ratio Lower Upper
50 100
52 39.8 24.1 36.1#

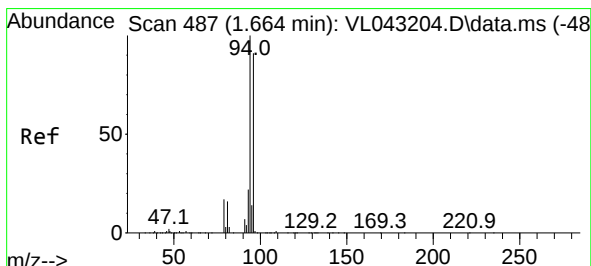
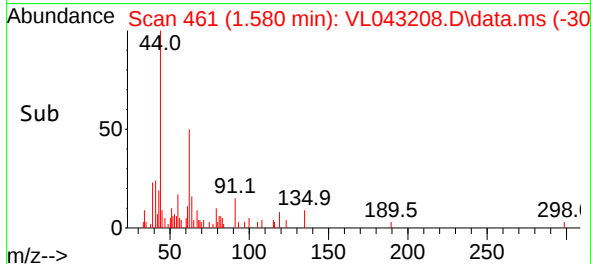
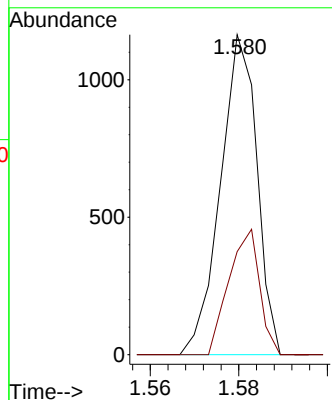
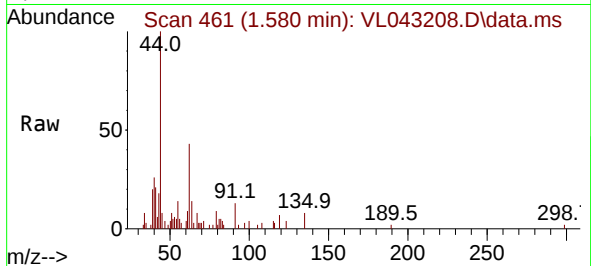




#5
 Vinyl Chloride
 Concen: 0.114 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

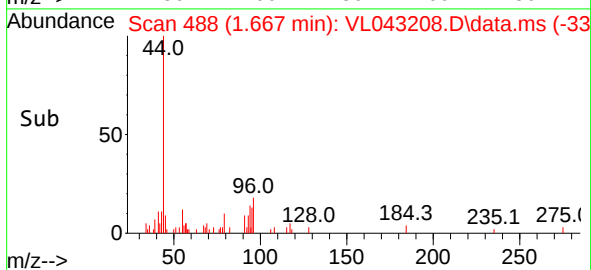
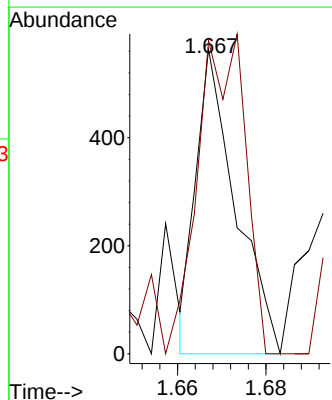
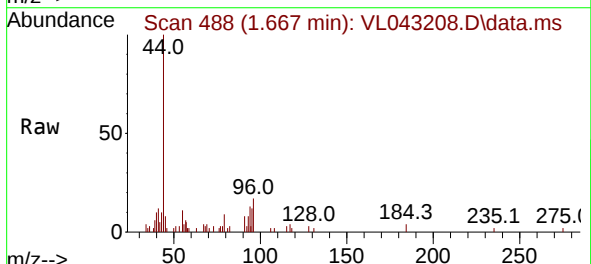
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

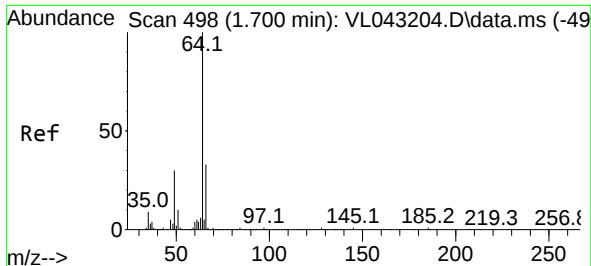
Tgt Ion: 62 Resp: 664
 Ion Ratio Lower Upper
 62 100
 64 32.2 27.3 40.9



#6
 Bromomethane
 Concen: 0.124 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

Tgt Ion: 94 Resp: 352
 Ion Ratio Lower Upper
 94 100
 96 102.8 72.9 109.3

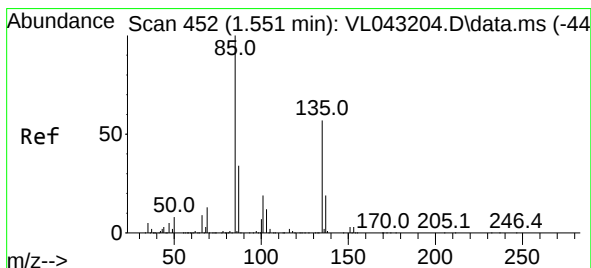
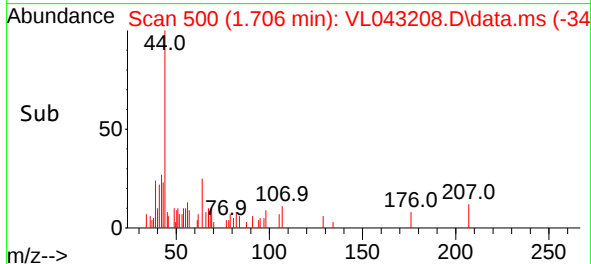
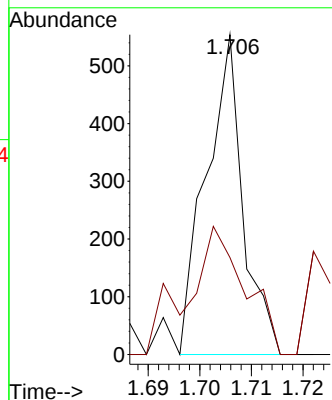
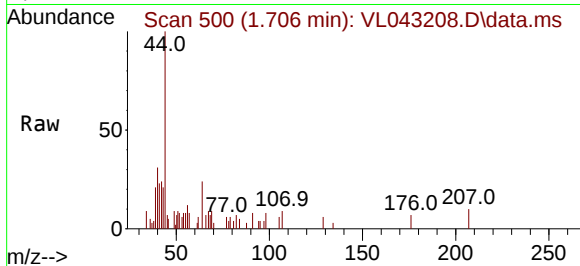




#7
Chloroethane
Concen: 0.121 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

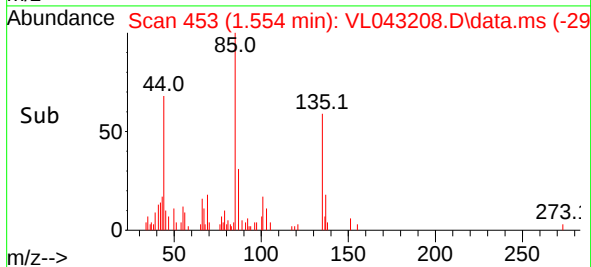
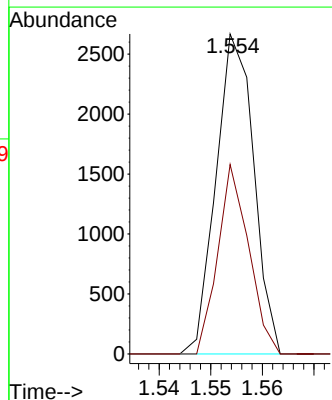
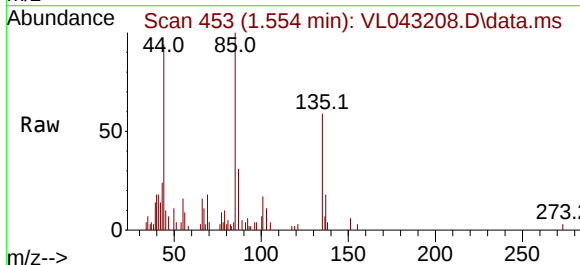
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MSVOA_1
ClientSampleId :
VSTDIC0.1

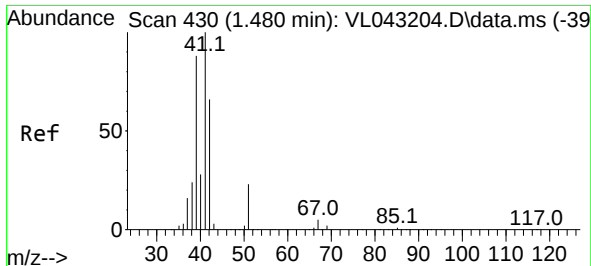
Tgt Ion: 64 Resp: 275
Ion Ratio Lower Upper
64 100
66 30.3 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 0.114 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 85 Resp: 1358
Ion Ratio Lower Upper
85 100
135 48.5 52.6 79.0#





#9

Propene

Concen: 0.124 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

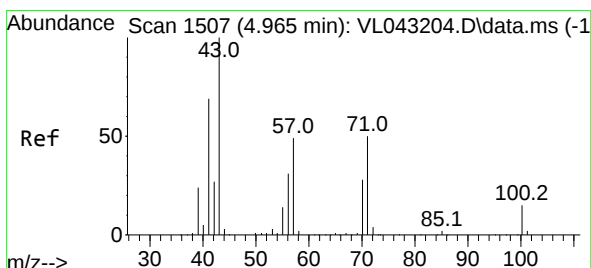
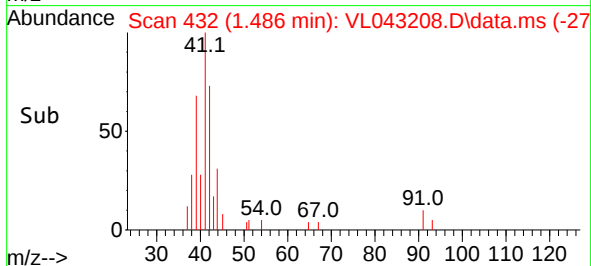
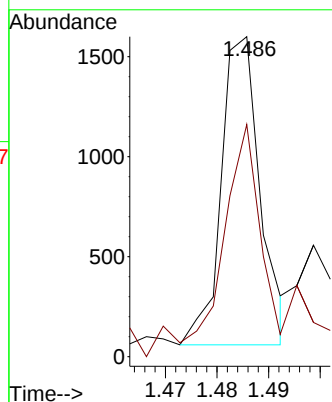
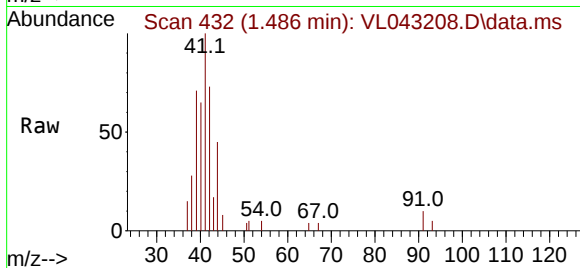
VSTDIC0.1

Tgt Ion: 41 Resp: 811

Ion Ratio Lower Upper

41 100

42 79.2 3.7 5.5#



#10

Heptane

Concen: 0.027 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. 0.006 min

Lab File: VL043208.D

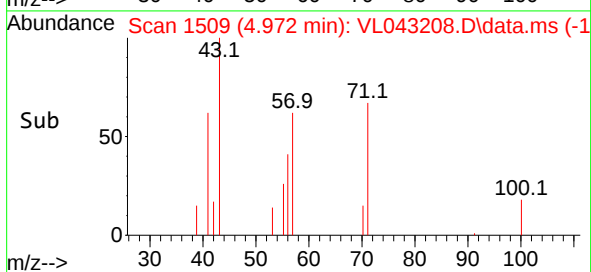
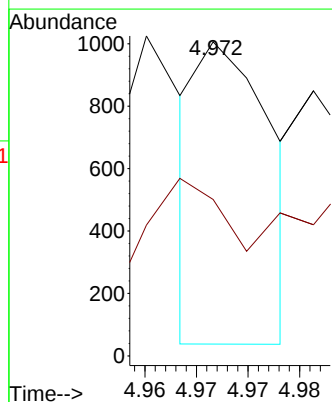
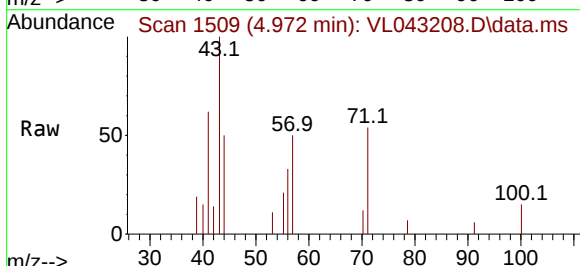
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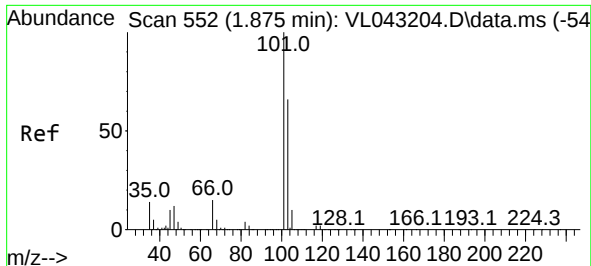
Tgt Ion: 43 Resp: 480

Ion Ratio Lower Upper

43 100

57 260.6 39.7 59.5#

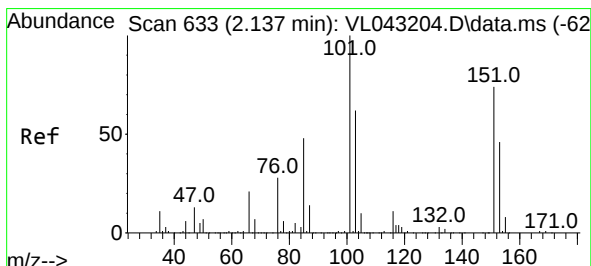
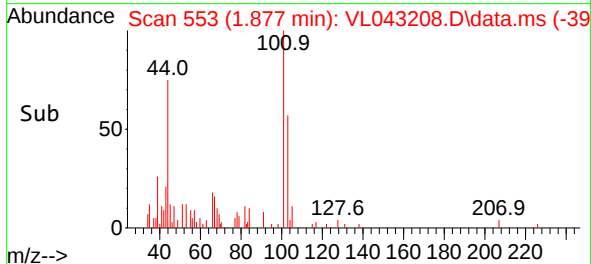
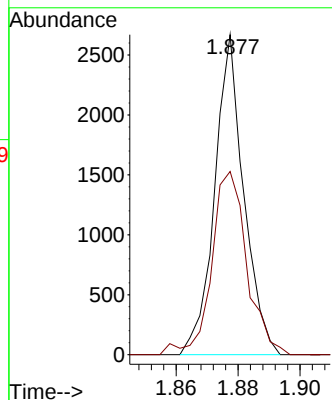
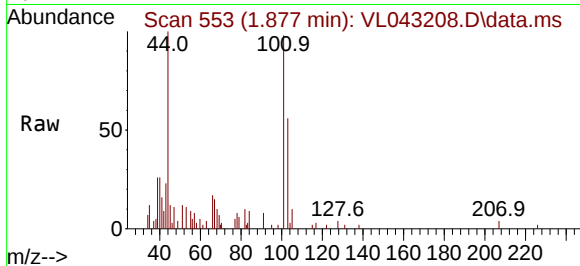




#11
Trichlorofluoromethane
Concen: 0.126 ppbv
RT: 1.877 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

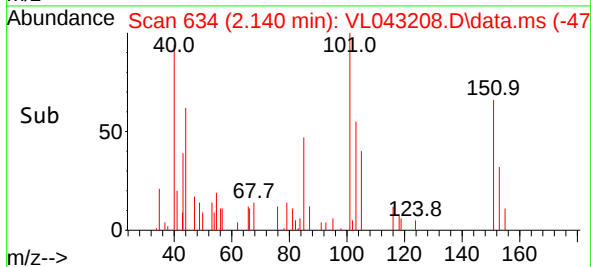
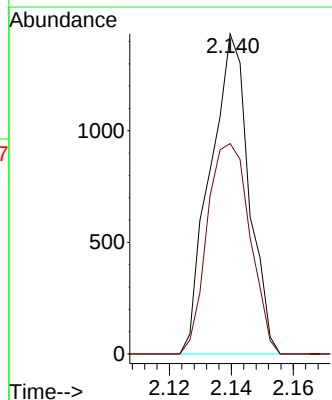
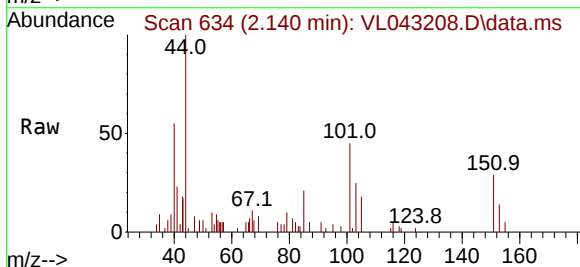
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

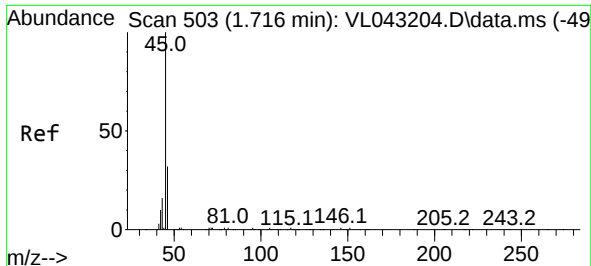
Tgt Ion:101 Resp: 1744
Ion Ratio Lower Upper
101 100
103 55.2 52.6 79.0



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.115 ppbv
RT: 2.140 min Scan# 634
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:101 Resp: 1249
Ion Ratio Lower Upper
101 100
151 72.4 59.2 88.8

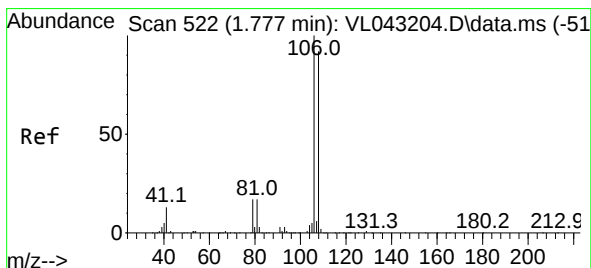
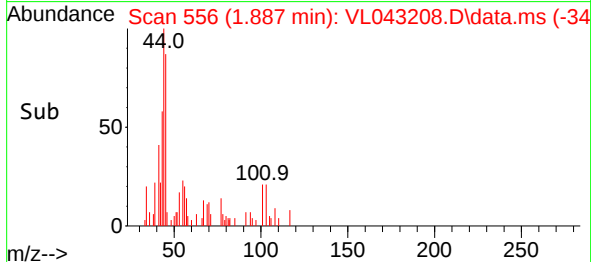
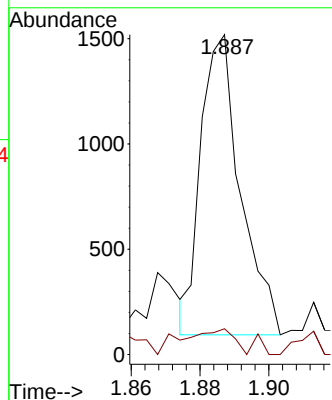
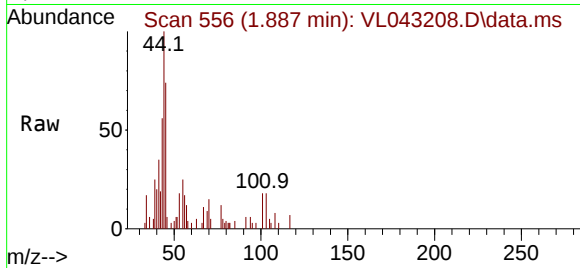




#13
Ethanol
Concen: 0.543 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.171 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

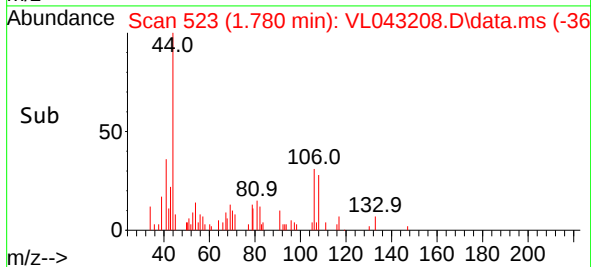
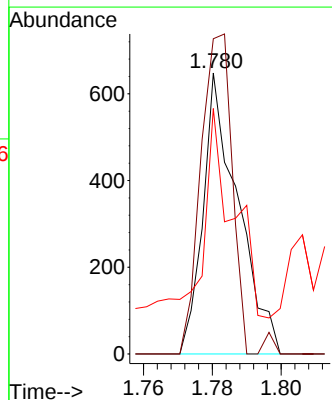
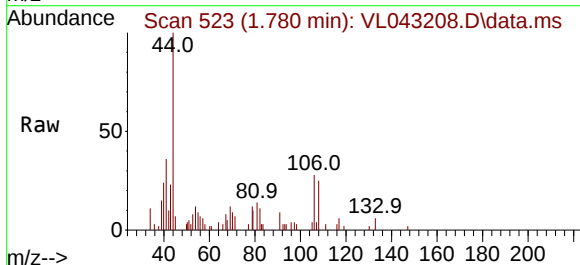
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

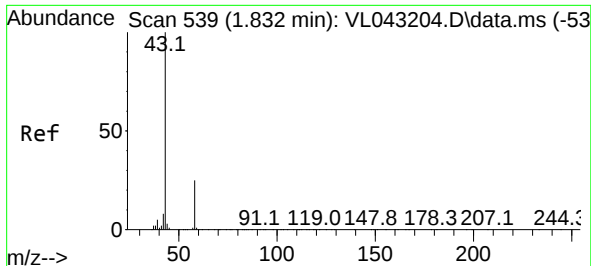
Tgt Ion: 45 Resp: 1141
Ion Ratio Lower Upper
45 100
46 22.5 15.0 59.8



#14
Bromoethene
Concen: 0.110 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 108 Resp: 456
Ion Ratio Lower Upper
108 100
106 103.9 88.9 133.3
79 90.8 16.5 24.7#

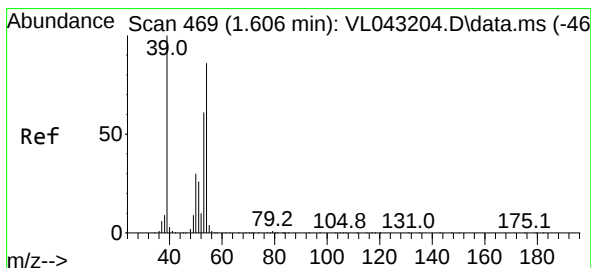
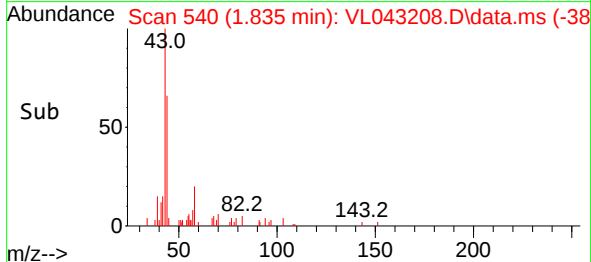
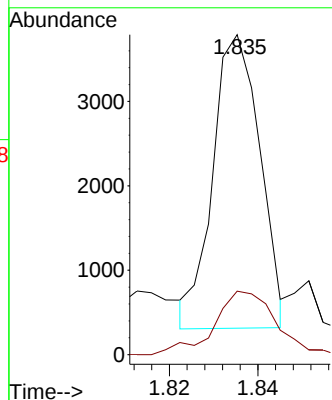
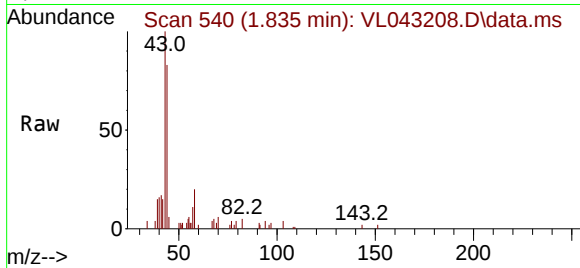




#15
Acetone
Concen: 0.183 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

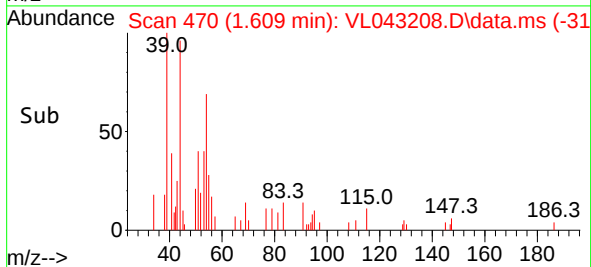
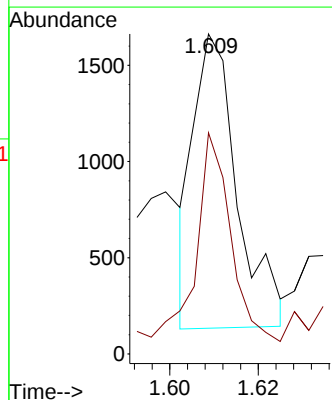
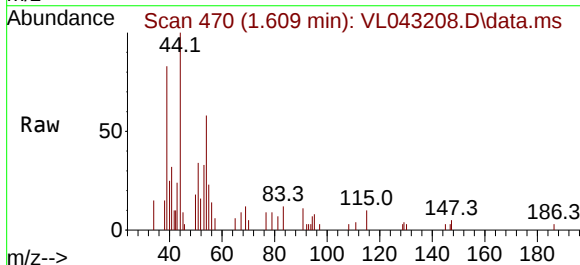
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

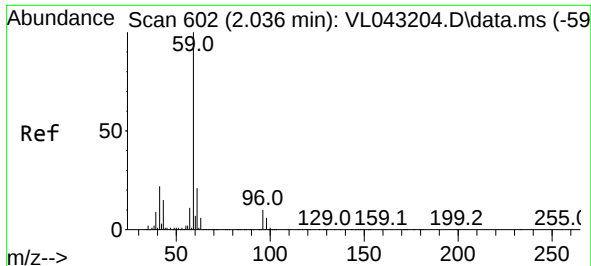
Tgt Ion: 43 Resp: 2574
Ion Ratio Lower Upper
43 100
58 28.0 20.7 31.1



#16
1,3-Butadiene
Concen: 0.167 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 39 Resp: 1049
Ion Ratio Lower Upper
39 100
54 111.2 59.4 89.2#

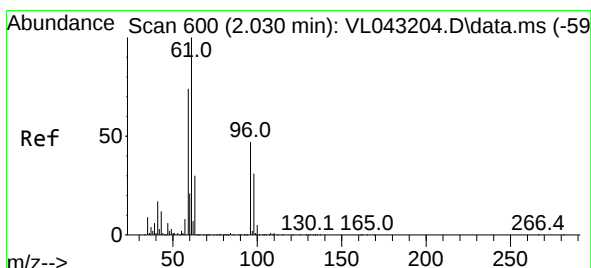
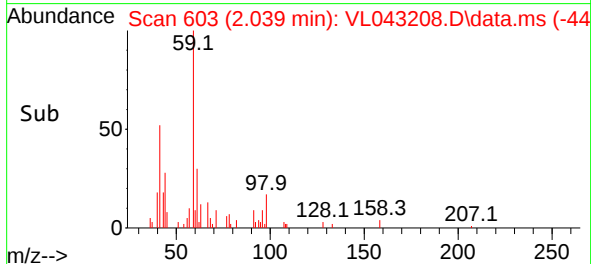
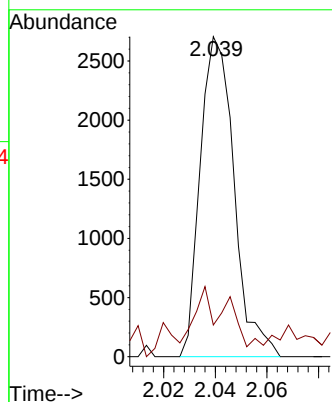
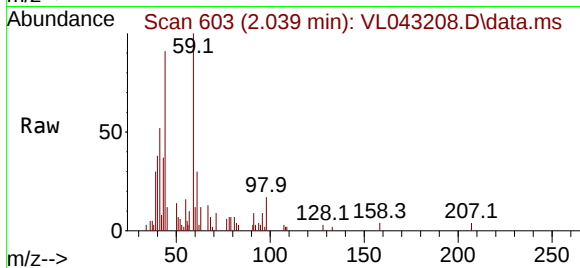




#17
tert-Butyl alcohol
Concen: 0.133 ppbv
RT: 2.039 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

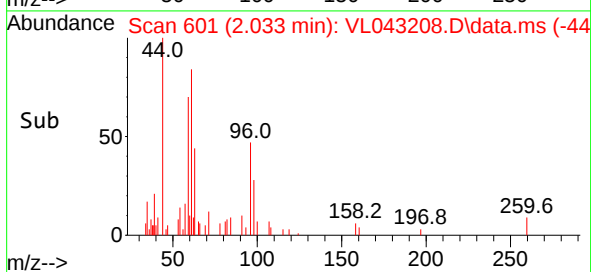
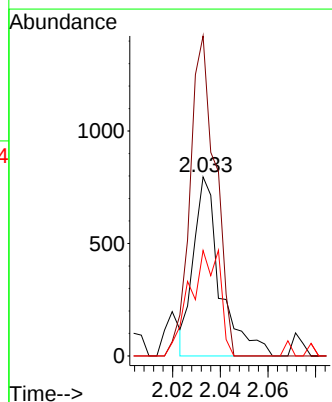
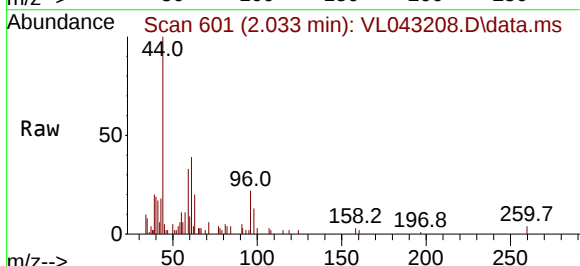
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

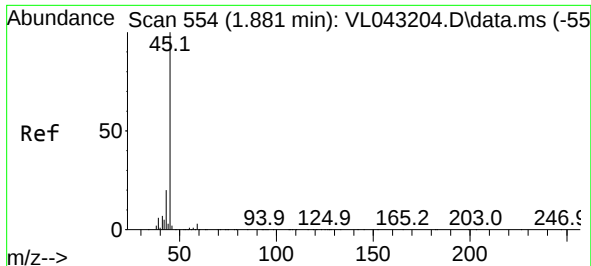
Tgt Ion: 59 Resp: 2464
Ion Ratio Lower Upper
59 100
57 37.8 9.0 13.4#



#18
1,1-Dichloroethene
Concen: 0.123 ppbv
RT: 2.033 min Scan# 601
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 96 Resp: 620
Ion Ratio Lower Upper
96 100
61 178.8 170.6 255.8
98 58.9 52.2 78.4

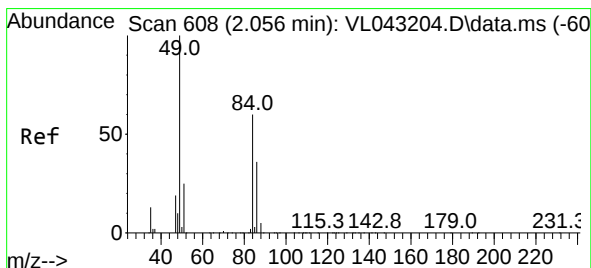
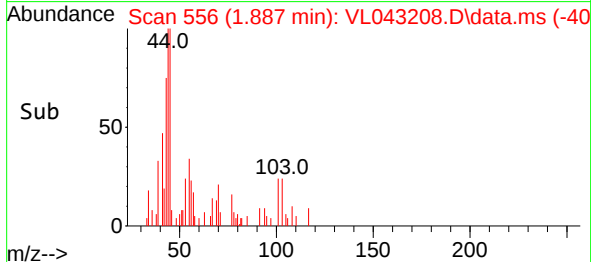
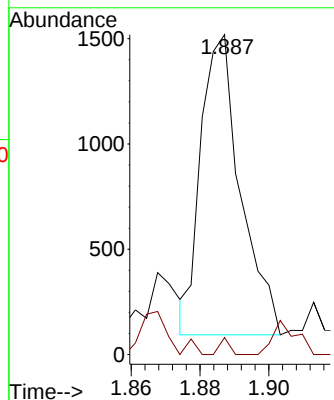
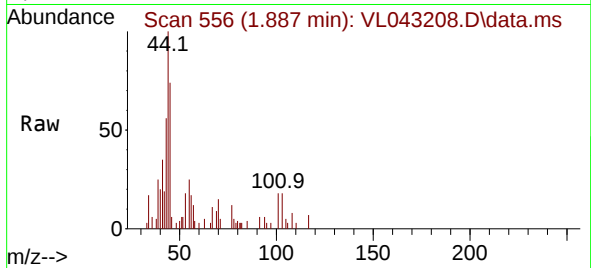




#19
Isopropyl Alcohol
Concen: 0.143 ppbv
RT: 1.887 min Scan# 511
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

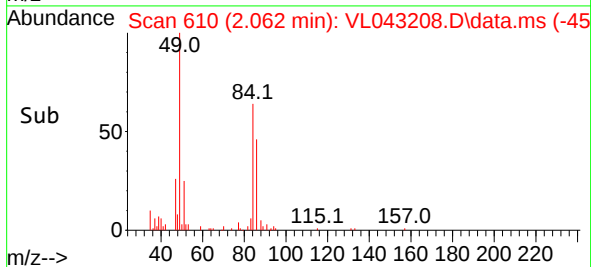
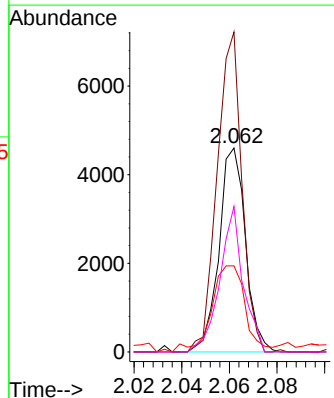
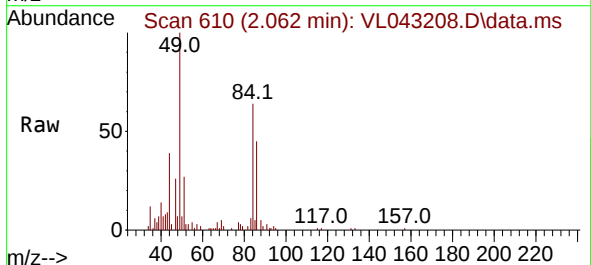
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

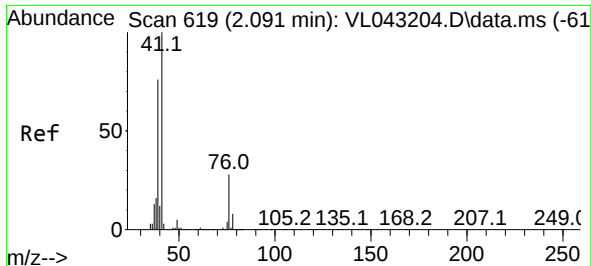
Tgt Ion: 45 Resp: 1141
Ion Ratio Lower Upper
45 100
58 11.7 31.3 46.9#



#20
Methylene Chloride
Concen: 0.077 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 84 Resp: 3550
Ion Ratio Lower Upper
84 100
49 156.9 132.9 199.3
51 38.9 34.8 52.2
86 71.3 48.2 72.2





#21

Allyl Chloride

Concen: 0.164 ppbv

RT: 2.097 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

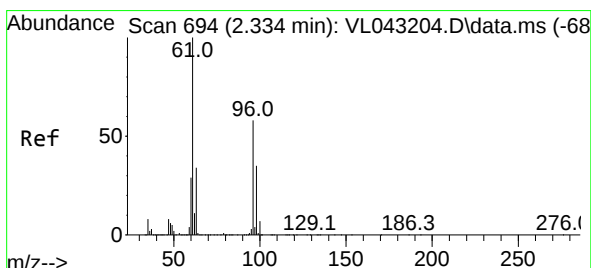
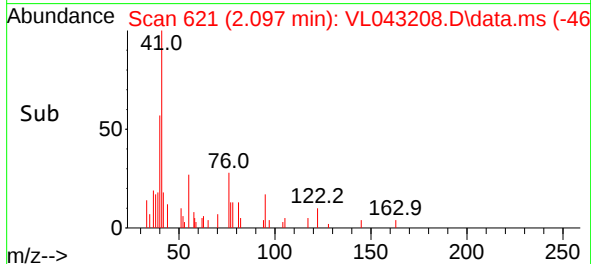
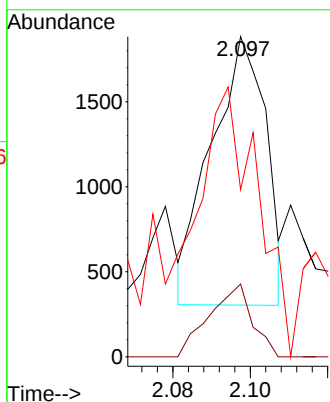
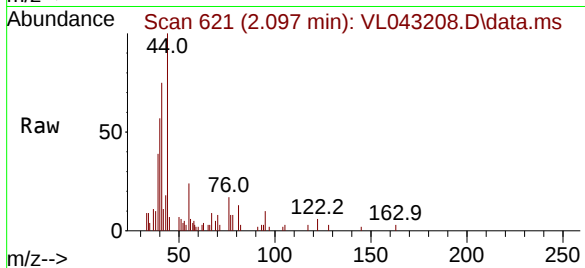
Tgt Ion: 41 Resp: 1553

Ion Ratio Lower Upper

41 100

76 21.1 22.1 33.1#

39 136.3 61.0 91.4#



#22

trans-1,2-Dichloroethene

Concen: 0.108 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.301 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

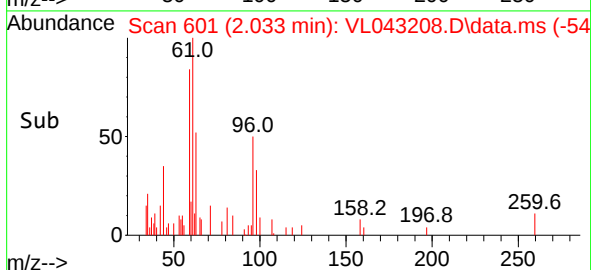
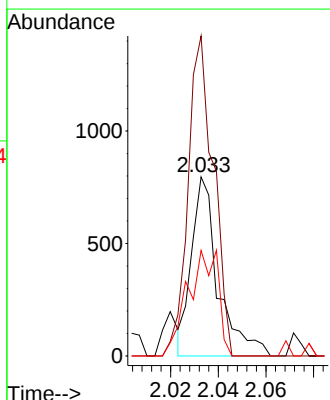
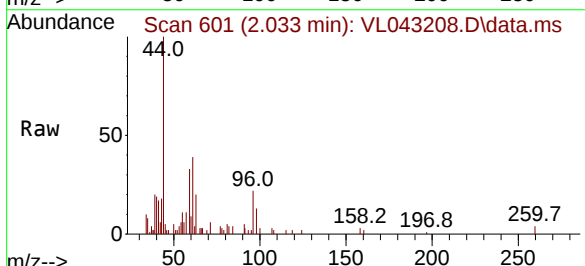
Tgt Ion: 96 Resp: 620

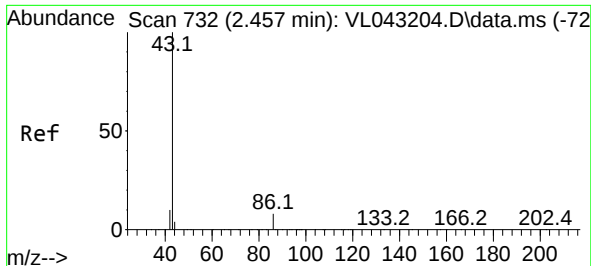
Ion Ratio Lower Upper

96 100

61 178.8 139.0 208.6

98 58.9 49.4 74.2

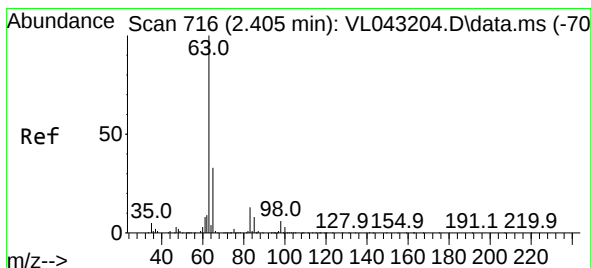
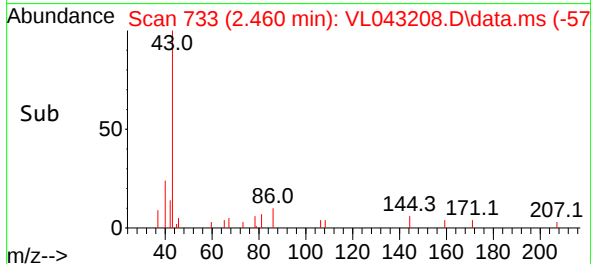
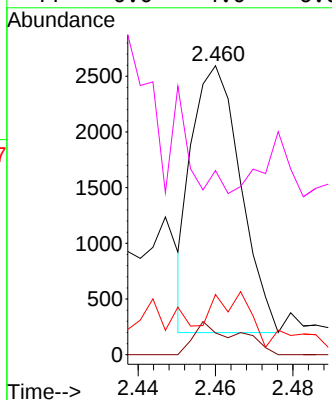
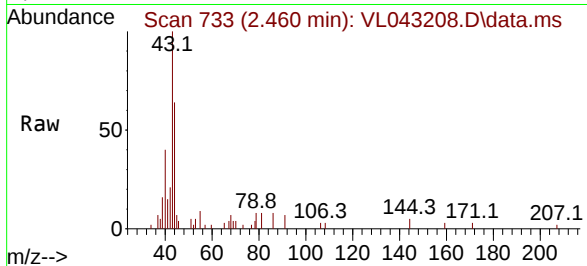




#23
 Vinyl Acetate
 Concen: 0.123 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

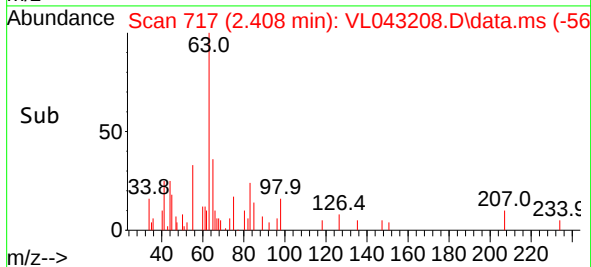
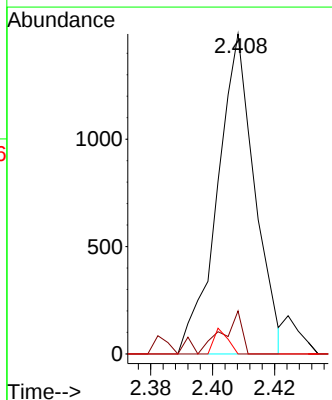
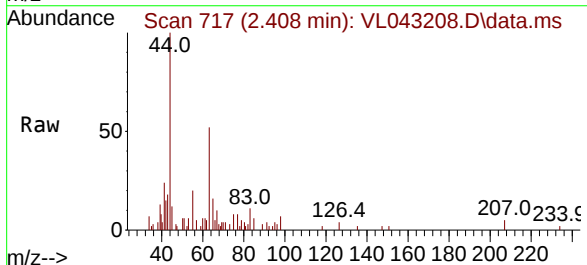
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

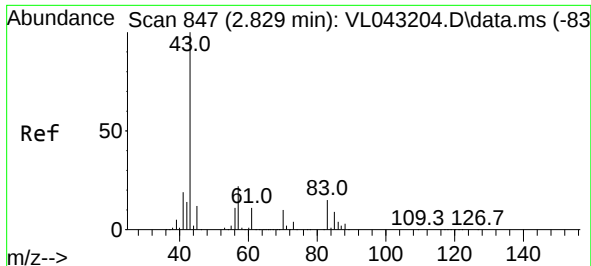
Tgt Ion: 43	Resp: 2093
Ion Ratio	Lower Upper
43	100
86	8.1 6.2 9.2
42	13.4 8.0 12.0#
44	0.0 4.0 6.0#



#24
 1,1-Dichloroethane
 Concen: 0.112 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

Tgt Ion: 63	Resp: 1242
Ion Ratio	Lower Upper
63	100
98	13.4 2.8 8.4#
100	0.0 1.3 3.9#





#25

Ethyl Acetate

Concen: 0.100 ppbv

RT: 2.832 min Scan# 84

Delta R.T. 0.003 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 43 Resp: 3043

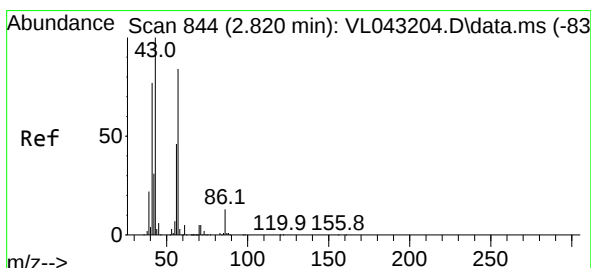
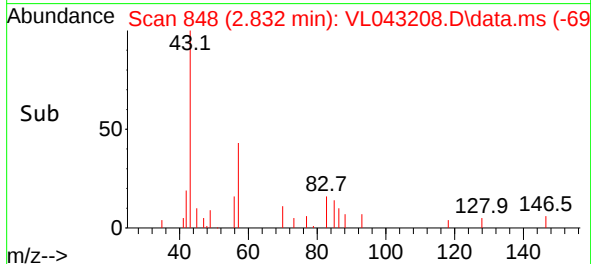
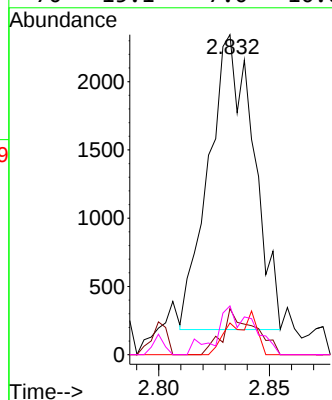
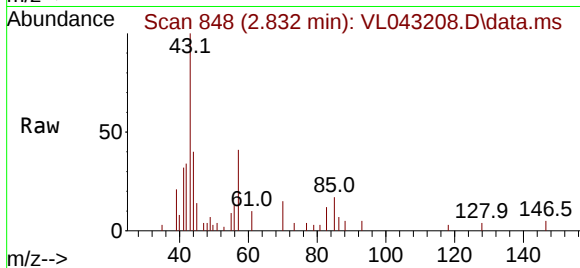
Ion Ratio Lower Upper

43 100

45 10.9 8.1 12.1

61 8.2 7.0 10.4

70 15.1 7.0 10.6#



#26

Hexane

Concen: 0.121 ppbv

RT: 2.822 min Scan# 845

Delta R.T. 0.003 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Tgt Ion: 57 Resp: 1613

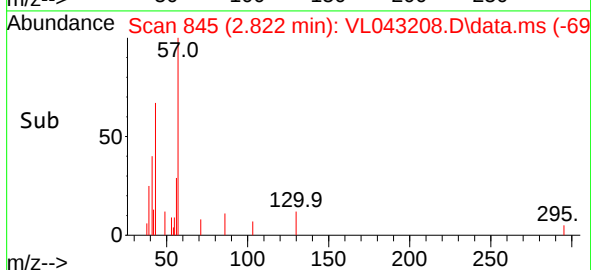
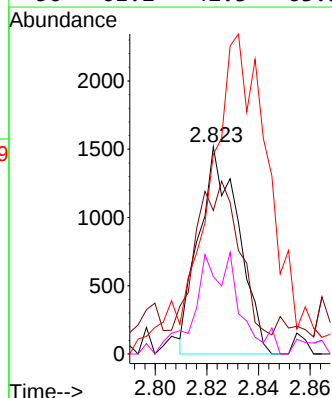
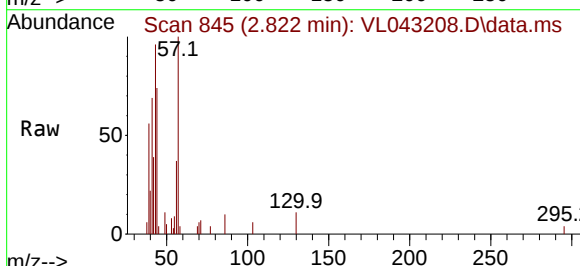
Ion Ratio Lower Upper

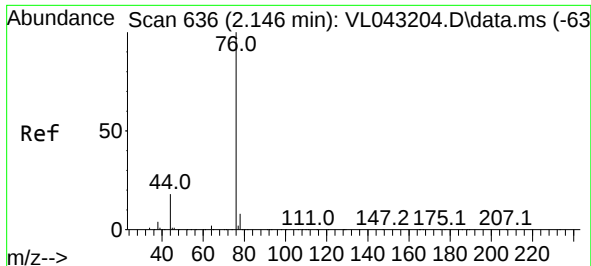
57 100

41 88.3 74.6 111.8

43 235.4 179.0 268.4

56 61.2 42.3 63.5

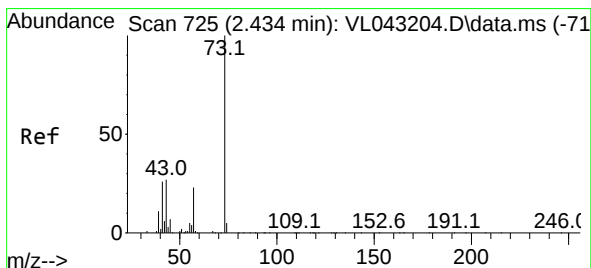
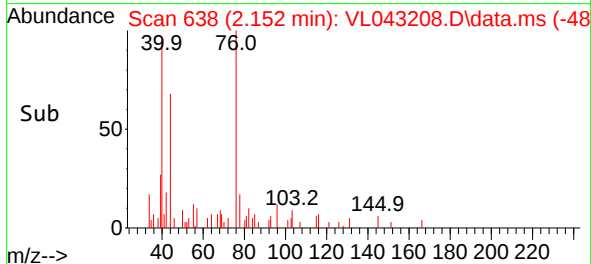
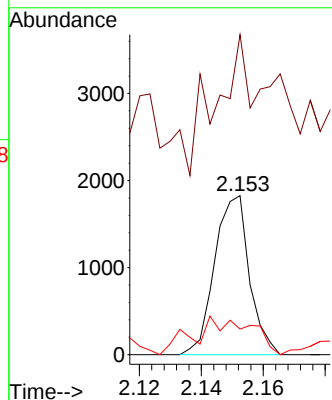
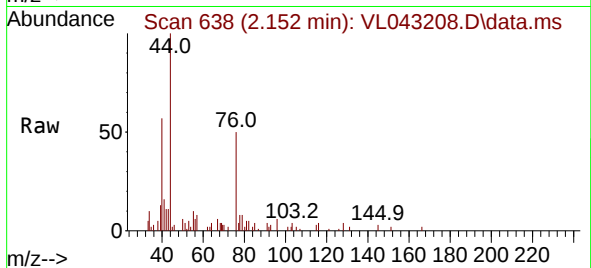




#27
Carbon Disulfide
Concen: 0.105 ppbv
RT: 2.152 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

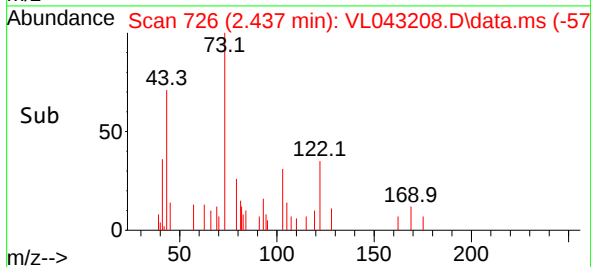
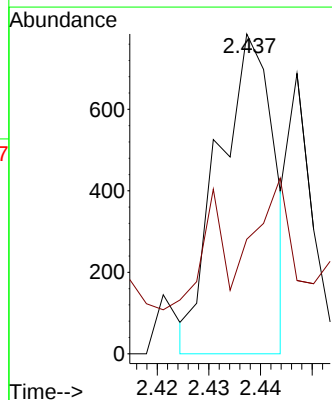
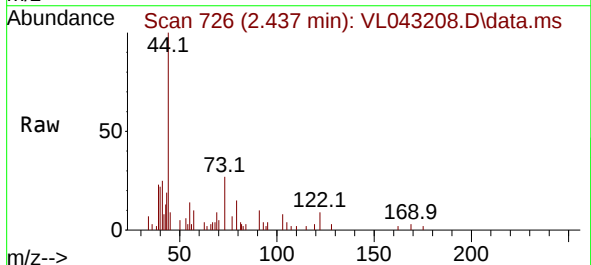
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

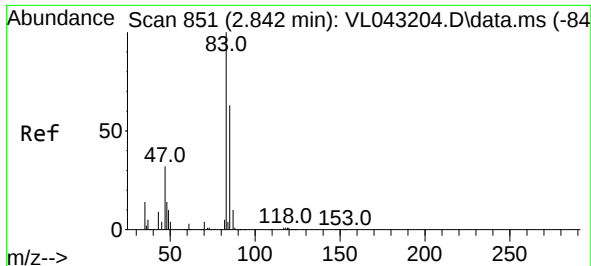
Tgt Ion: 76 Resp: 1422
Ion Ratio Lower Upper
76 100
44 325.6 16.1 24.1#
78 45.7 9.6 14.4#



#28
Methyl tert-Butyl Ether
Concen: 0.089 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 73 Resp: 585
Ion Ratio Lower Upper
73 100
57 0.0 19.8 29.8#





#29

Chloroform

Concen: 0.107 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_L

ClientSampleId :

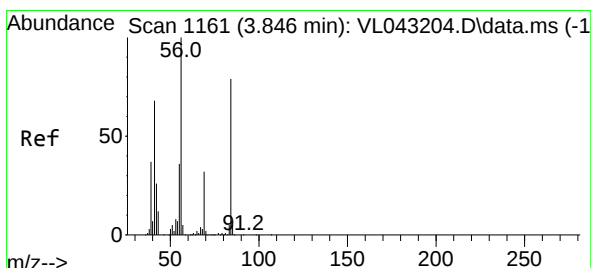
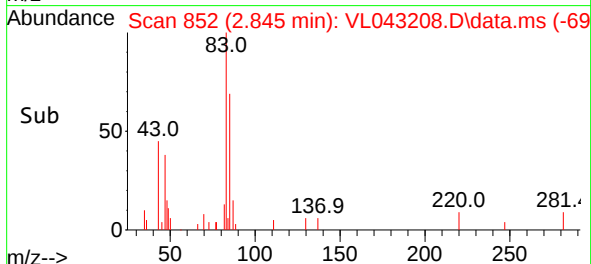
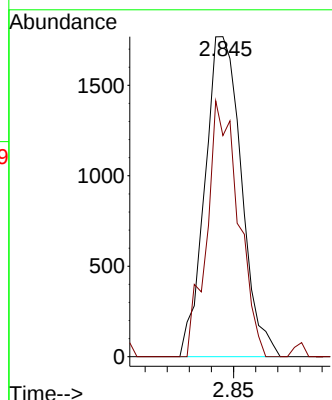
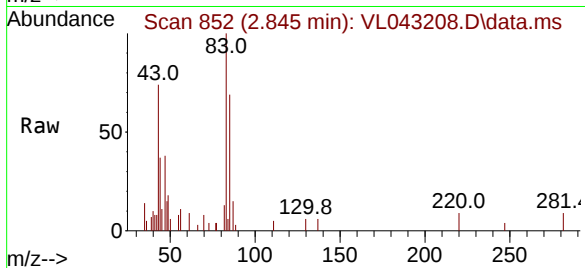
VSTDIC0.1

Tgt Ion: 83 Resp: 2028

Ion Ratio Lower Upper

83 100

85 69.1 50.5 75.7



#30

Cyclohexane

Concen: 0.080 ppbv

RT: 3.845 min Scan# 1161

Delta R.T. -0.000 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

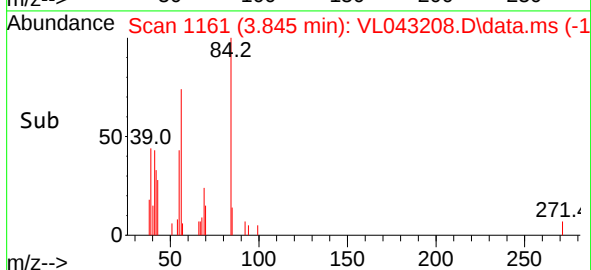
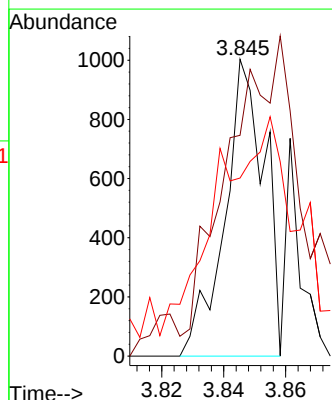
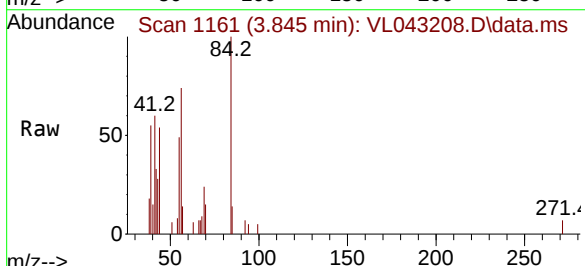
Tgt Ion: 84 Resp: 893

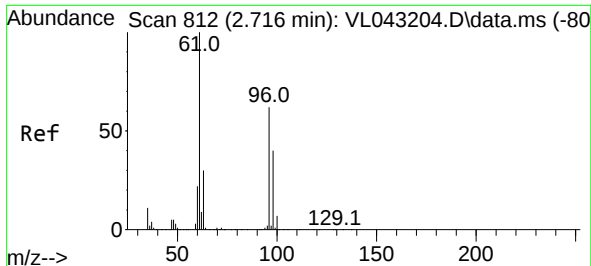
Ion Ratio Lower Upper

84 100

56 0.0 104.7 157.1#

41 0.0 69.0 103.6#

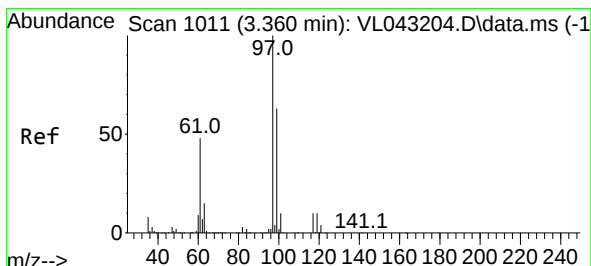
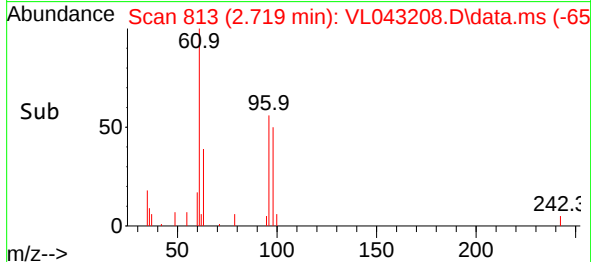
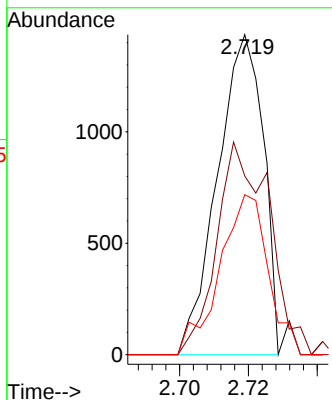
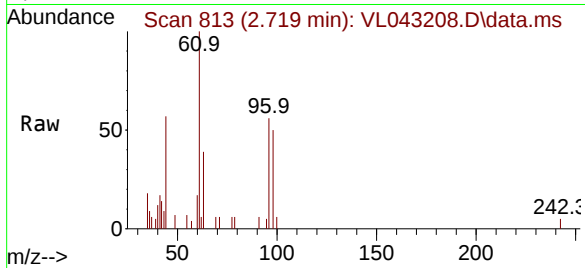




#31
 cis-1,2-Dichloroethene
 Concen: 0.101 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

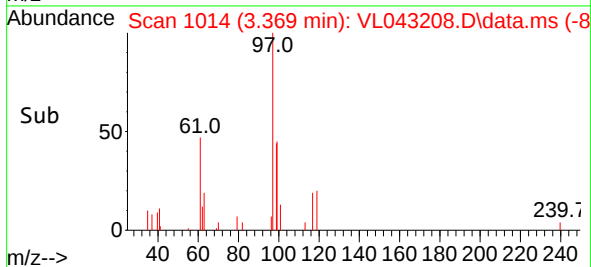
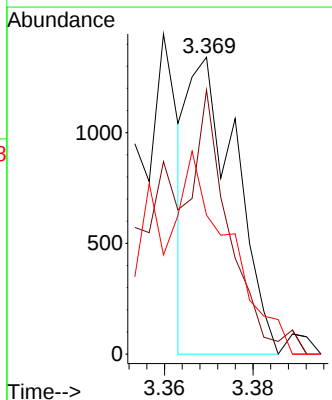
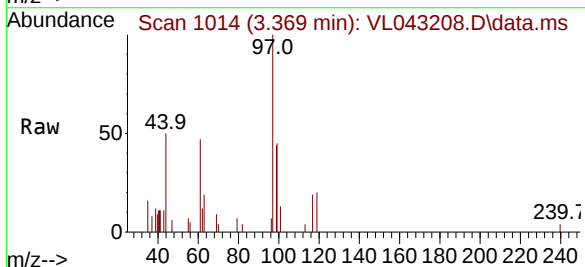
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

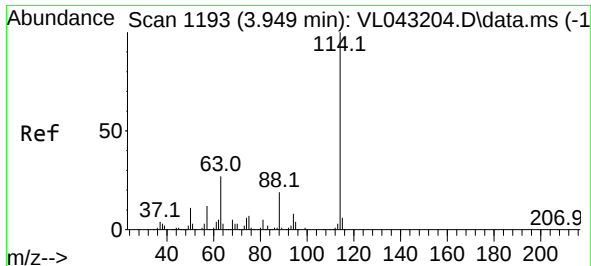
Tgt Ion: 61 Resp: 1331
 Ion Ratio Lower Upper
 61 100
 96 55.8 49.3 73.9
 98 50.0 32.1 48.1#



#32
 1,1,1-Trichloroethane
 Concen: 0.049 ppbv
 RT: 3.369 min Scan# 1014
 Delta R.T. 0.009 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

Tgt Ion: 97 Resp: 999
 Ion Ratio Lower Upper
 97 100
 99 130.1 50.3 75.5#
 61 111.0 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: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

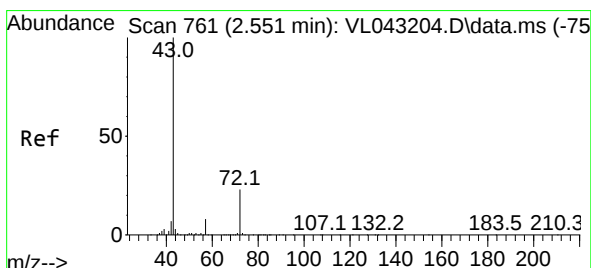
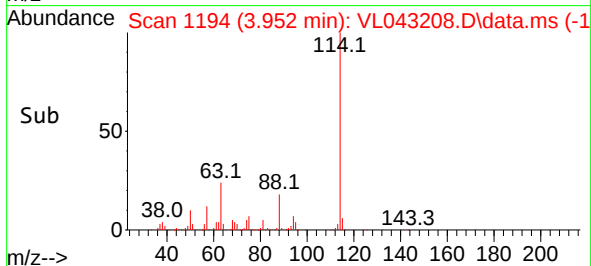
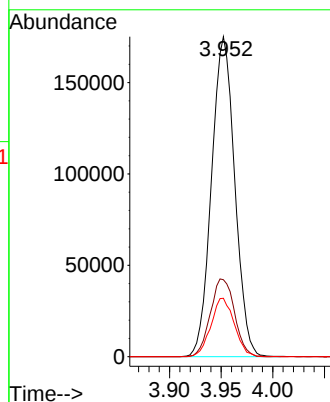
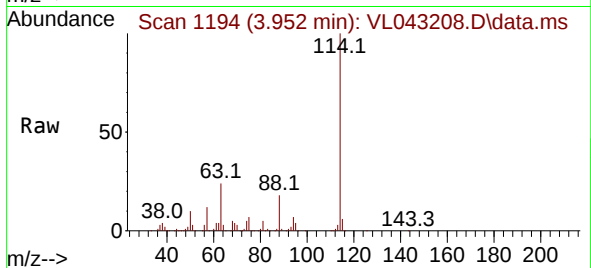
Tgt Ion:114 Resp: 273996

Ion Ratio Lower Upper

114 100

63 25.3 21.0 31.6

88 18.3 14.9 22.3



#34

2-Butanone

Concen: 0.134 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.009 min

Lab File: VL043208.D

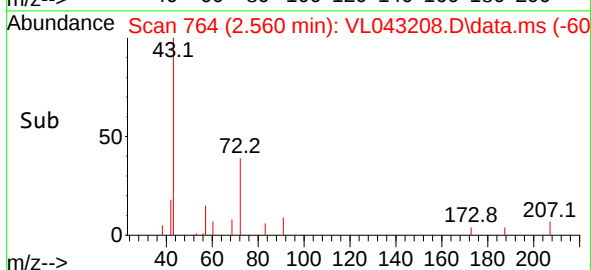
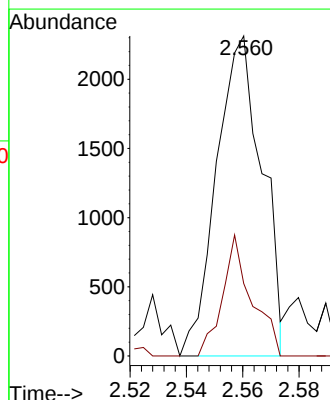
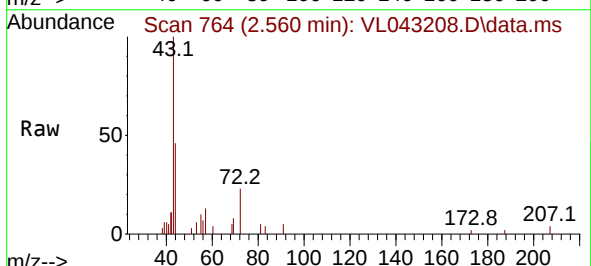
Acq: 18 Nov 2025 12:16

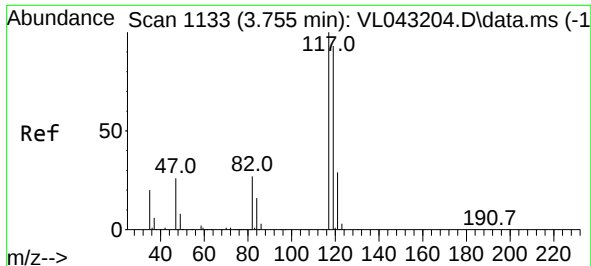
Tgt Ion: 43 Resp: 2593

Ion Ratio Lower Upper

43 100

72 24.3 18.1 27.1

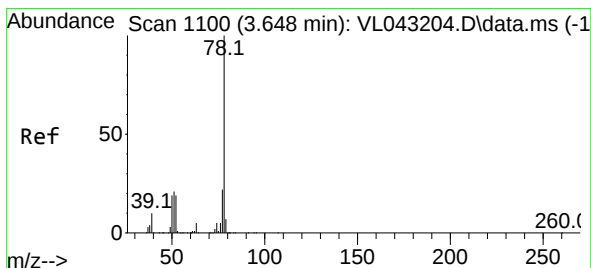
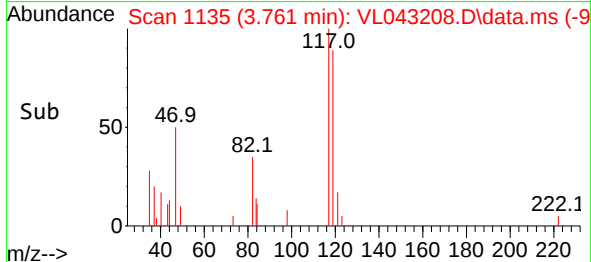
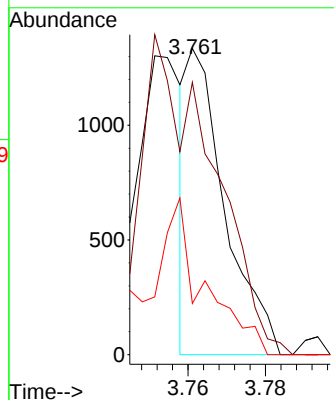
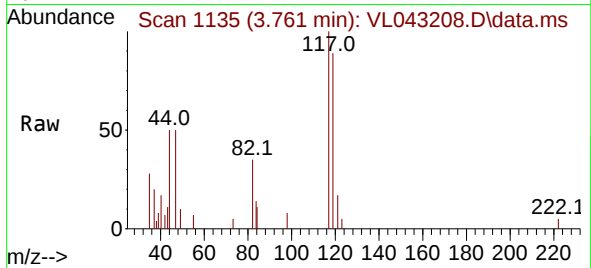




#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 3.761 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

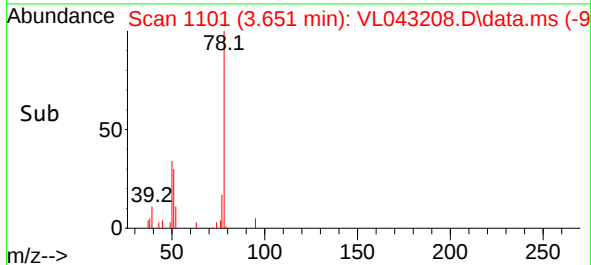
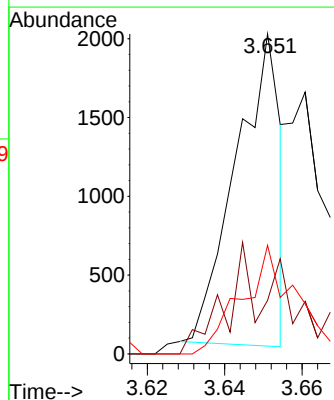
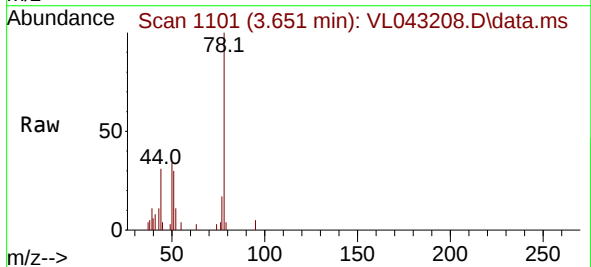
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

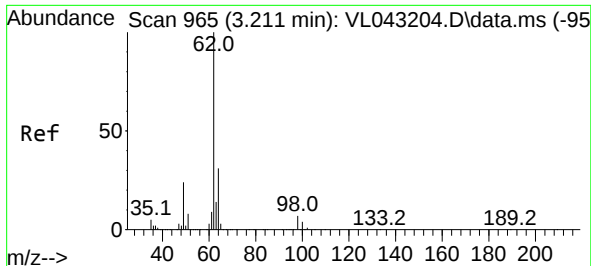
Tgt Ion:117 Resp: 901
Ion Ratio Lower Upper
117 100
119 85.0 74.6 112.0
121 16.7 23.2 34.8#



#36
Benzene
Concen: 0.060 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 78 Resp: 1569
Ion Ratio Lower Upper
78 100
77 17.4 17.5 26.3#
50 35.3 15.5 23.3#

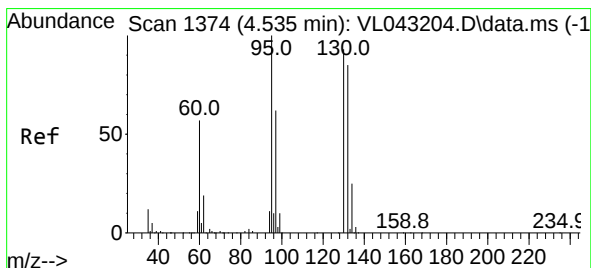
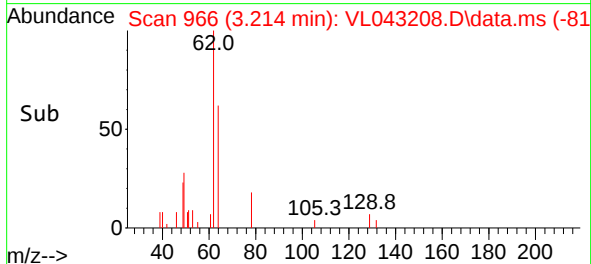
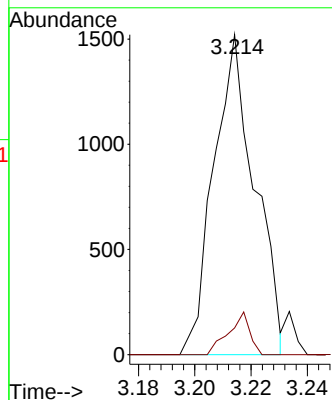
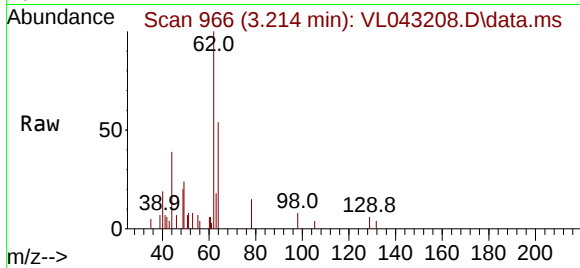




#37
1,2-Dichloroethane
Concen: 0.100 ppbv
RT: 3.214 min Scan# 966
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

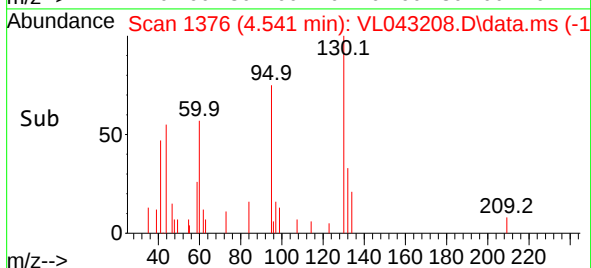
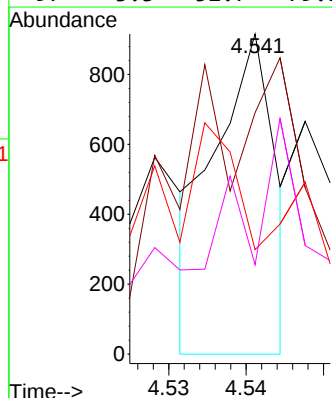
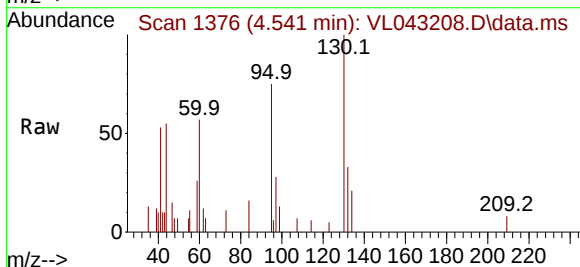
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

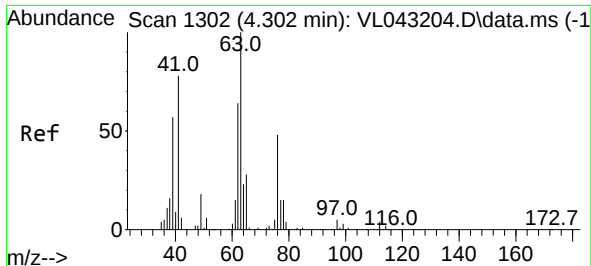
Tgt Ion: 62 Resp: 1537
Ion Ratio Lower Upper
62 100
98 6.9 5.5 8.3



#38
Trichloroethene
Concen: 0.049 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 130 Resp: 502
Ion Ratio Lower Upper
130 100
95 61.3 85.7 128.5#
132 0.0 73.4 110.0#
97 3.3 52.7 79.1#





#39

1,2-Dichloropropane

Concen: 7.207 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.353 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

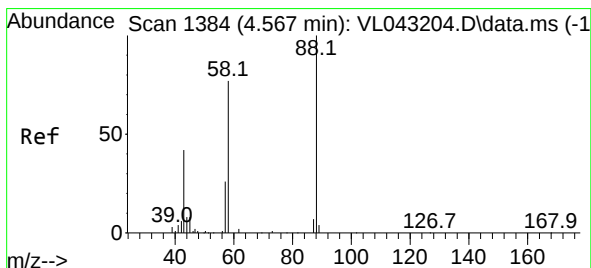
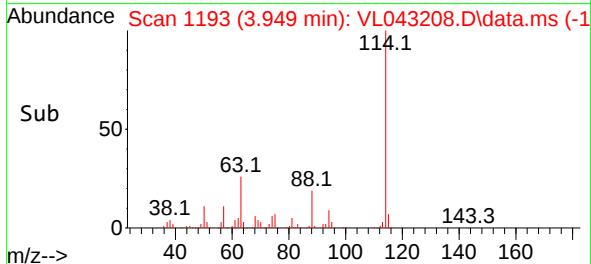
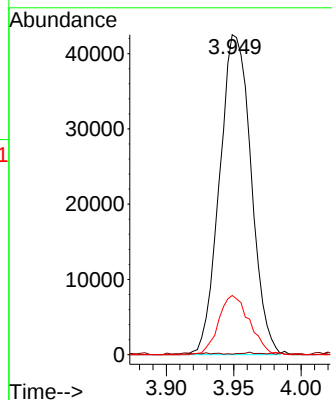
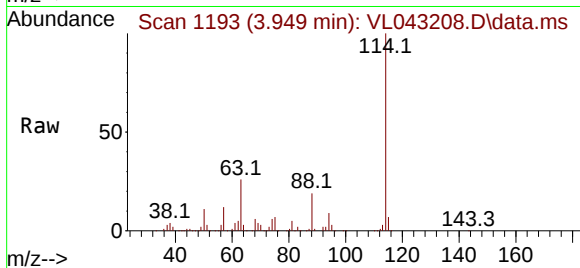
Tgt Ion: 63 Resp: 69214

Ion Ratio Lower Upper

63 100

41 0.0 62.6 93.8#

62 18.5 51.0 76.6#



#40

1,4-Dioxane

Concen: 0.071 ppbv

RT: 4.596 min Scan# 1393

Delta R.T. 0.029 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Tgt Ion: 88 Resp: 308

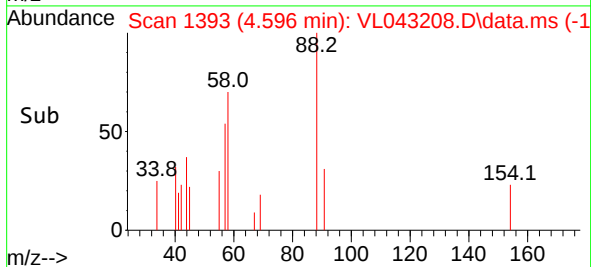
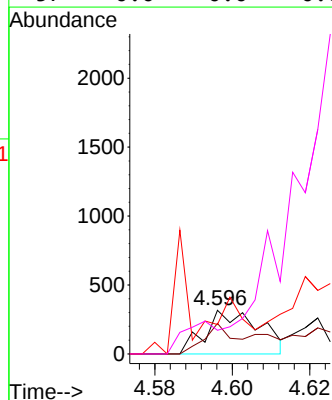
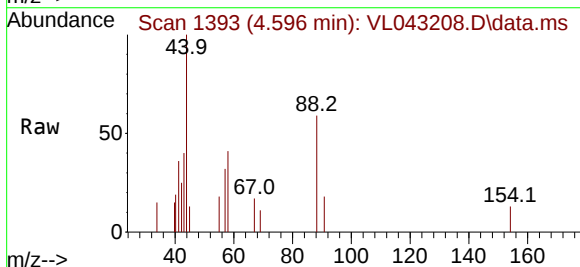
Ion Ratio Lower Upper

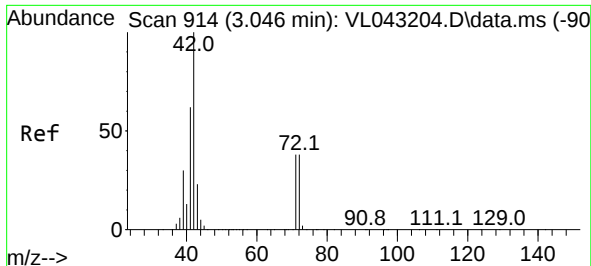
88 100

58 70.8 63.0 94.6

43 182.8 32.5 48.7#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.081 ppbv

RT: 3.062 min Scan# 919

Delta R.T. 0.016 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

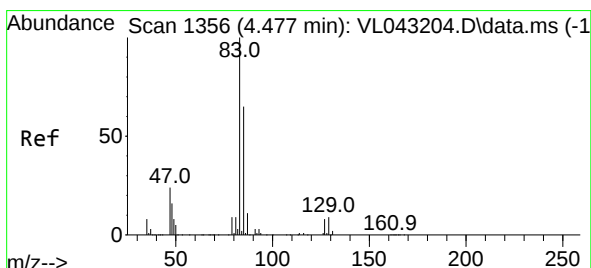
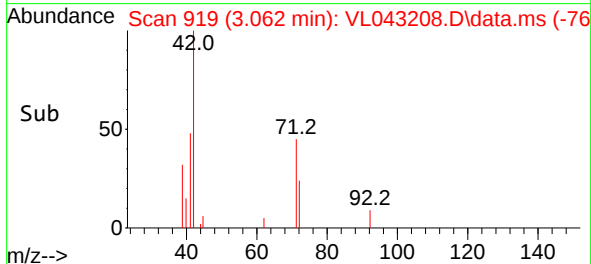
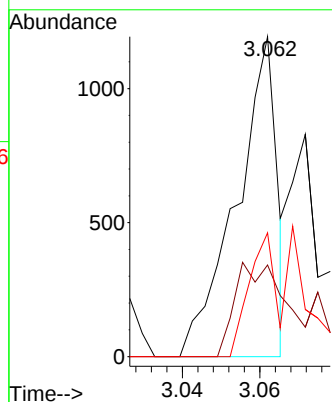
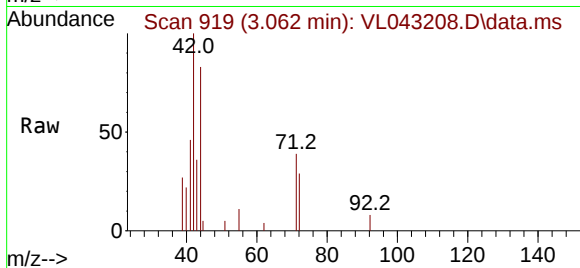
Tgt Ion: 42 Resp: 868

Ion Ratio Lower Upper

42 100

72 46.2 30.6 46.0#

71 0.0 30.5 45.7#



#42

Bromodichloromethane

Concen: 0.038 ppbv

RT: 4.493 min Scan# 1361

Delta R.T. 0.016 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

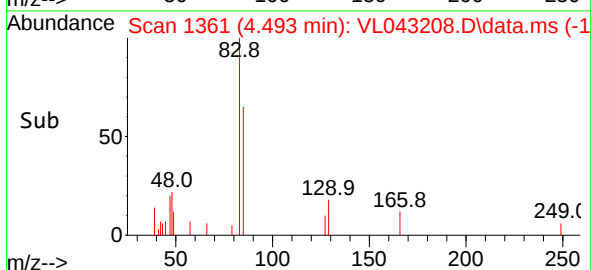
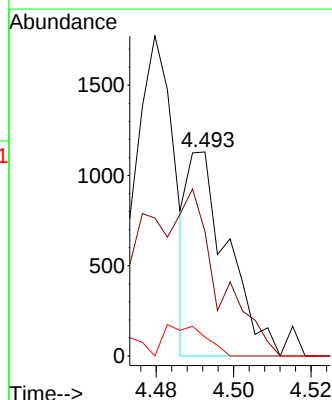
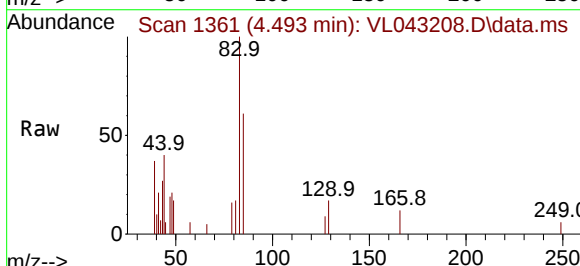
Tgt Ion: 83 Resp: 806

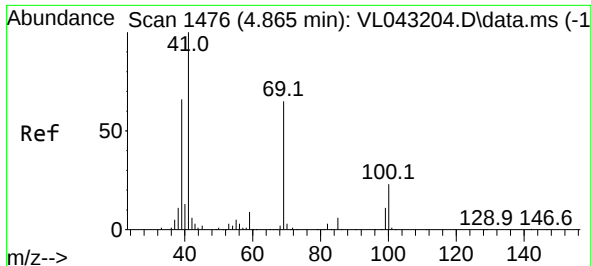
Ion Ratio Lower Upper

83 100

85 61.0 51.7 77.5

127 9.3 6.3 9.5

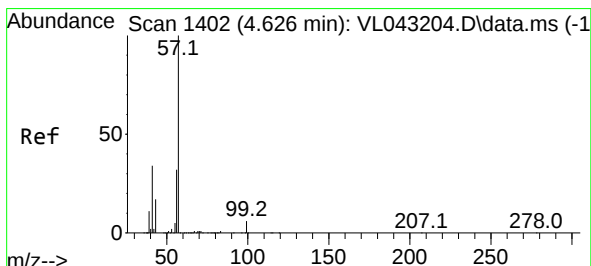
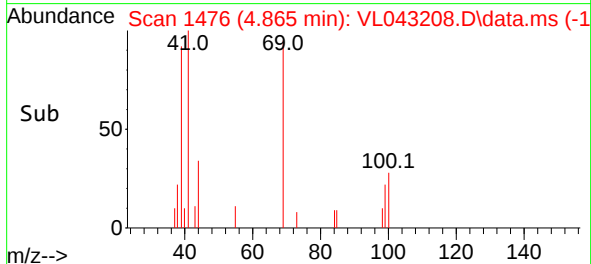
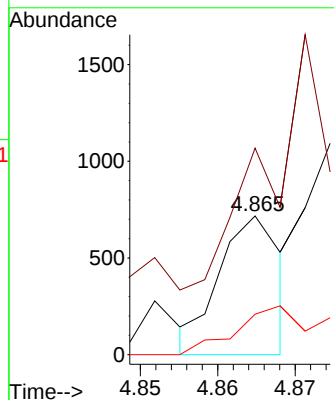
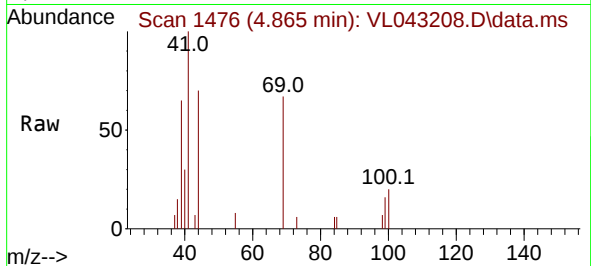




#43
Methyl Methacrylate
Concen: 0.028 ppbv
RT: 4.865 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

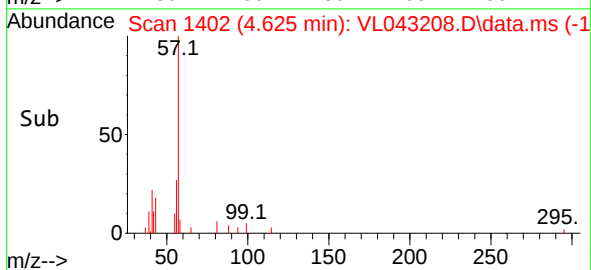
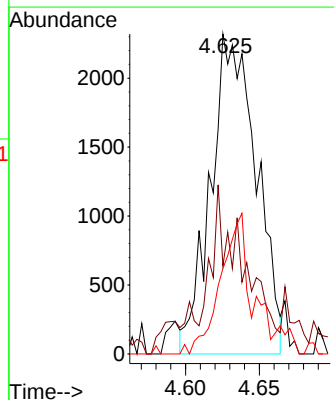
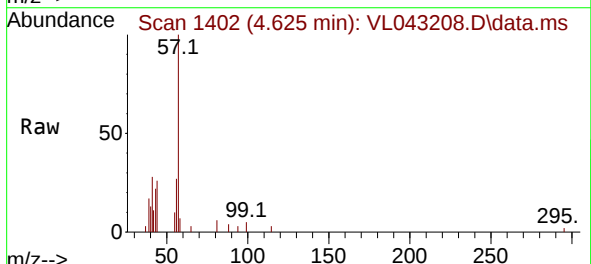
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

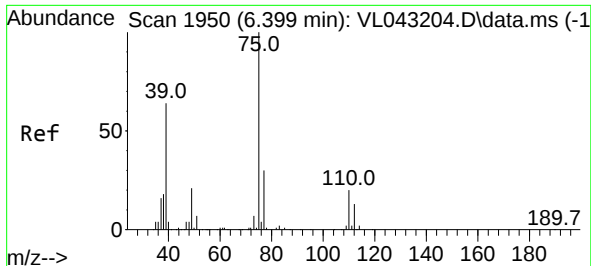
Tgt Ion: 69 Resp: 396
Ion Ratio Lower Upper
69 100
41 0.0 126.7 190.1#
100 0.0 28.6 43.0#



#44
2,2,4-Trimethylpentane
Concen: 0.110 ppbv
RT: 4.625 min Scan# 1402
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 57 Resp: 4980
Ion Ratio Lower Upper
57 100
41 54.9 28.0 42.0#
56 32.9 25.6 38.4

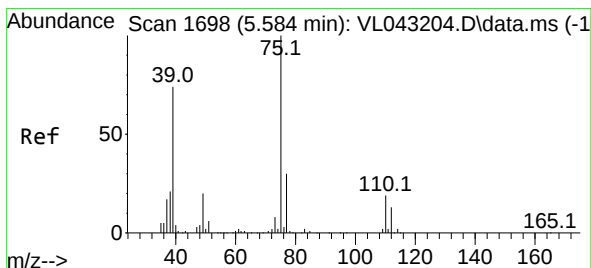
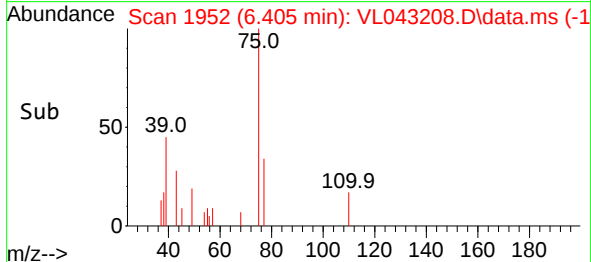
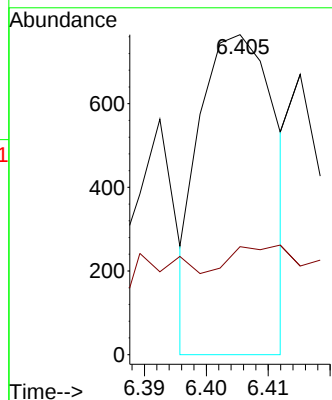
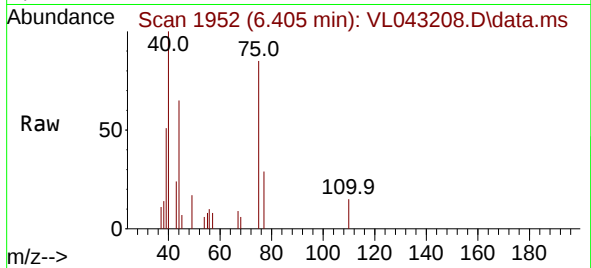




#45
 t-1,3-Dichloropropene
 Concen: 0.050 ppbv
 RT: 6.405 min Scan# 1952
 Delta R.T. 0.006 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

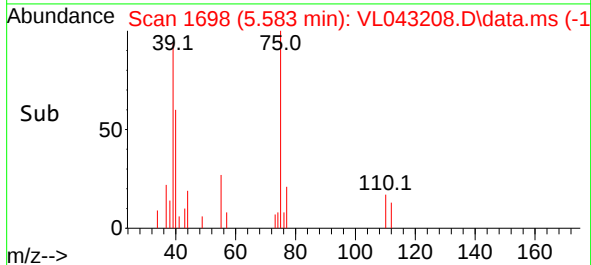
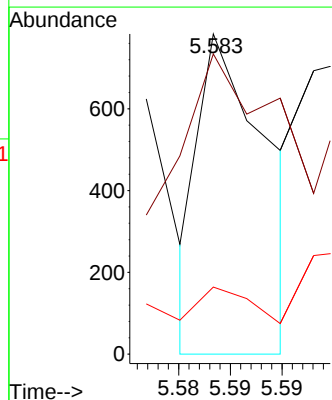
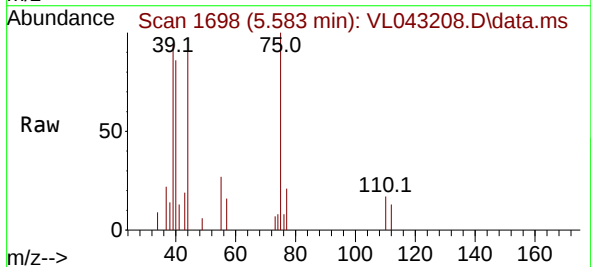
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

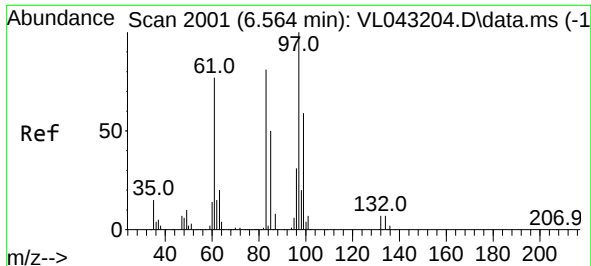
Tgt Ion: 75 Resp: 645
 Ion Ratio Lower Upper
 75 100
 77 33.7 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 0.024 ppbv
 RT: 5.583 min Scan# 1698
 Delta R.T. -0.000 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

Tgt Ion: 75 Resp: 359
 Ion Ratio Lower Upper
 75 100
 39 48.3 59.1 88.7#
 77 17.3 24.2 36.2#

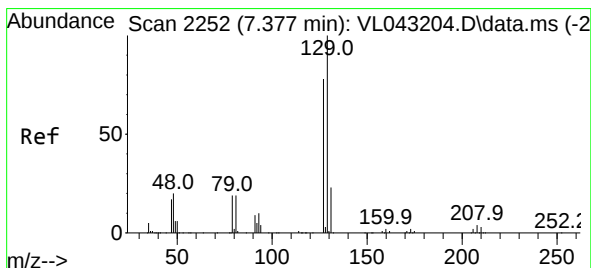
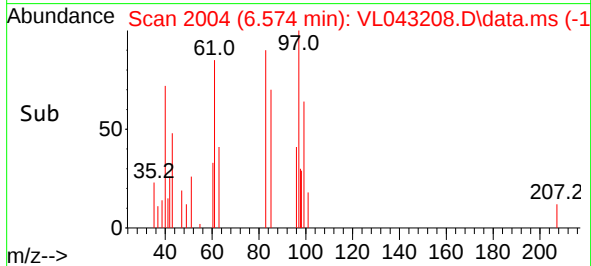
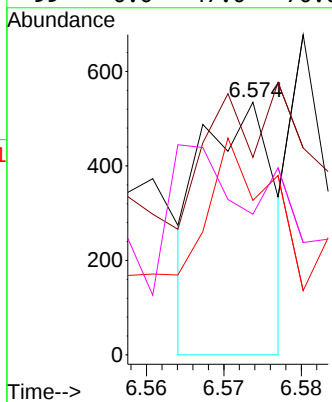
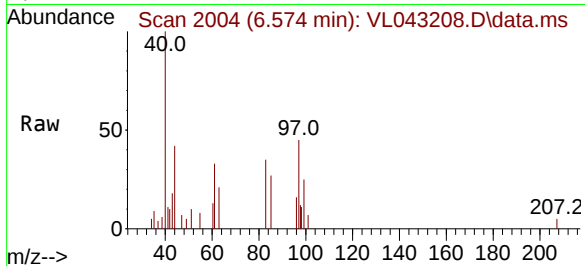




#47
1,1,2-Trichloroethane
Concen: 0.034 ppbv
RT: 6.574 min Scan# 2004
Delta R.T. 0.009 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

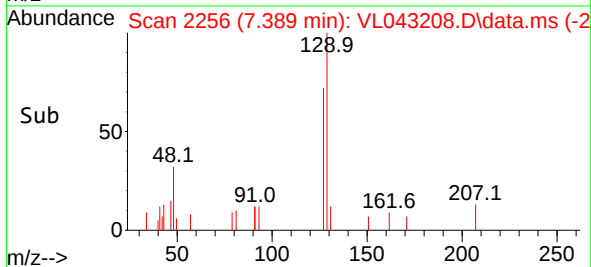
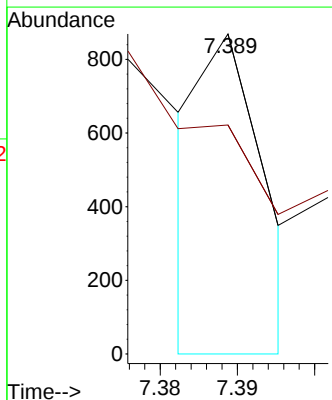
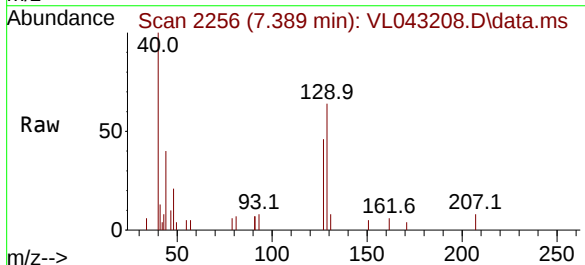
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

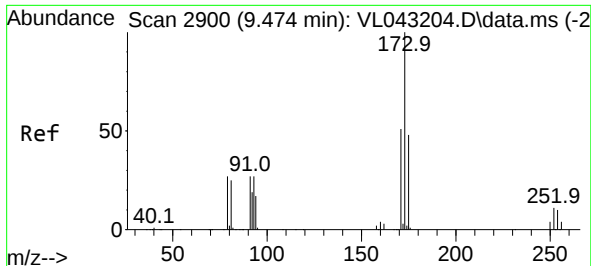
Tgt Ion:	97	Resp:	347
Ion	Ratio	Lower	Upper
97	100		
83	37.9	64.6	97.0#
85	39.4	39.4	59.2#
99	0.0	47.0	70.6#



#48
Dibromochloromethane
Concen: 0.014 ppbv
RT: 7.389 min Scan# 2256
Delta R.T. 0.013 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:	129	Resp:	237
Ion	Ratio	Lower	Upper
129	100		
127	547.7	39.3	117.9#

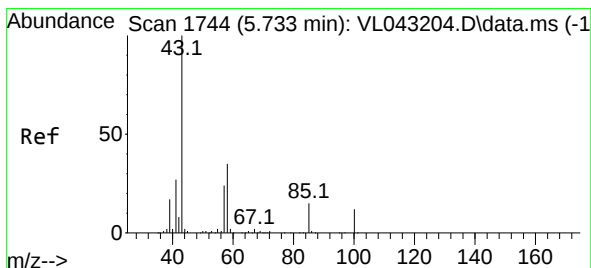
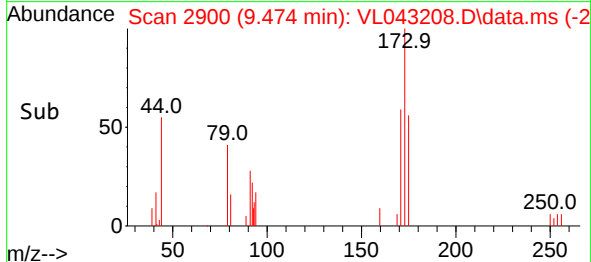
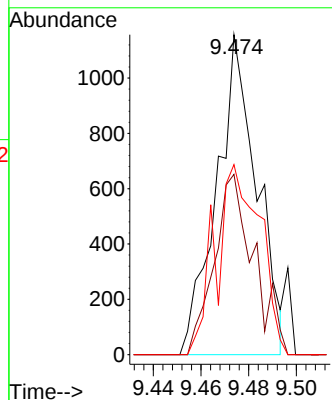
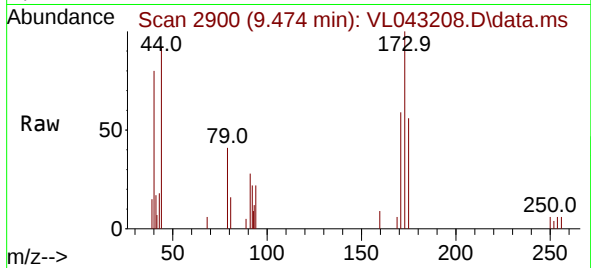




#49
Bromoform
Concen: 0.087 ppbv
RT: 9.474 min Scan# 2900
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

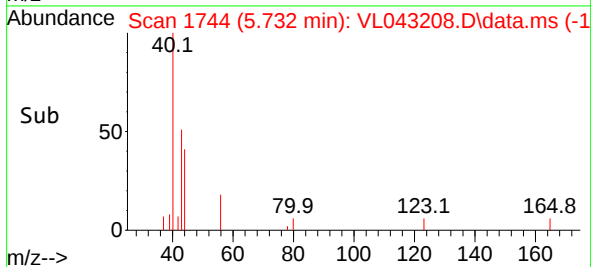
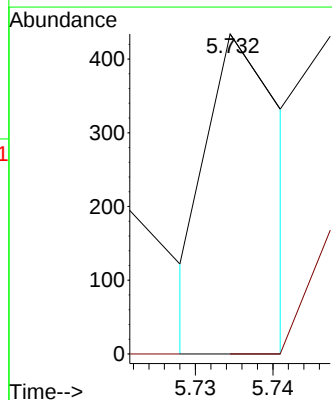
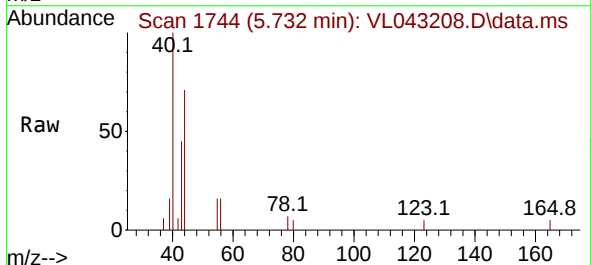
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

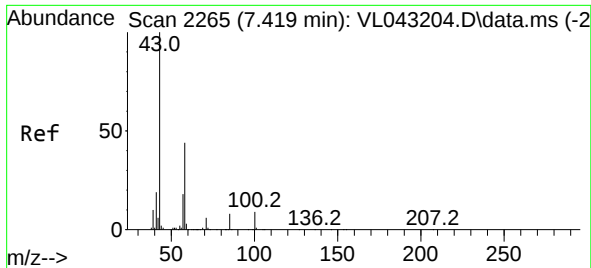
Tgt Ion:173 Resp: 1357
Ion Ratio Lower Upper
173 100
175 55.2 38.6 58.0
171 65.3 40.6 61.0#



#50
4-Methyl-2-Pentanone
Concen: 0.005 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 43 Resp: 149
Ion Ratio Lower Upper
43 100
58 0.0 28.4 42.6#

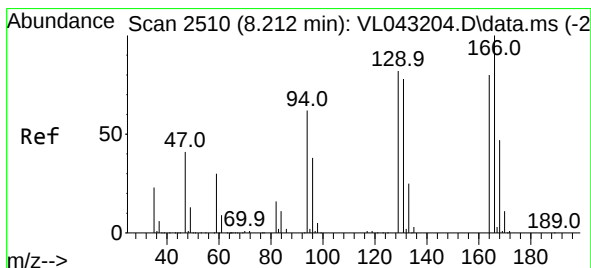
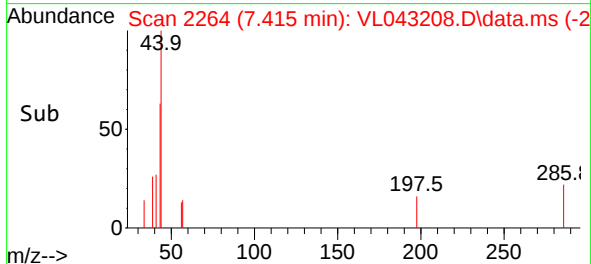
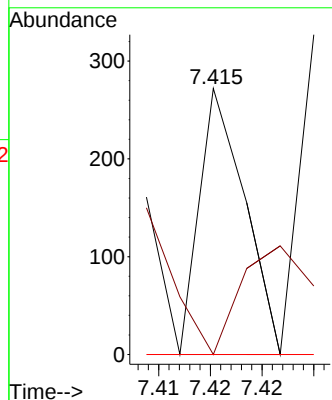
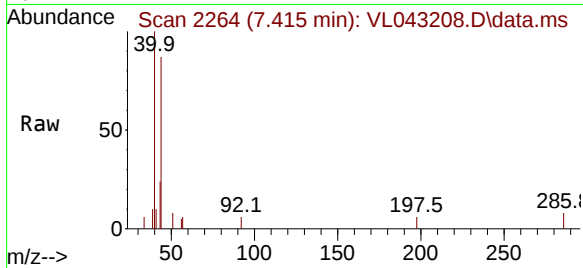




#51
2-Hexanone
Concen: 0.004 ppbv
RT: 7.415 min Scan# 21
Delta R.T. -0.004 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

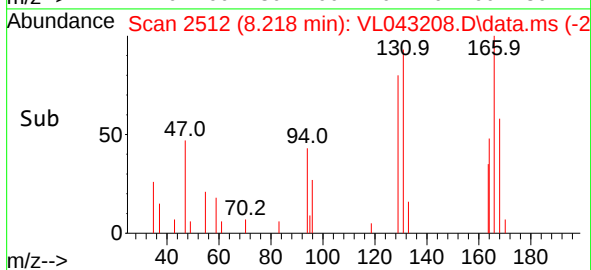
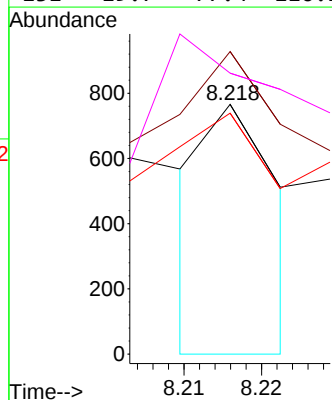
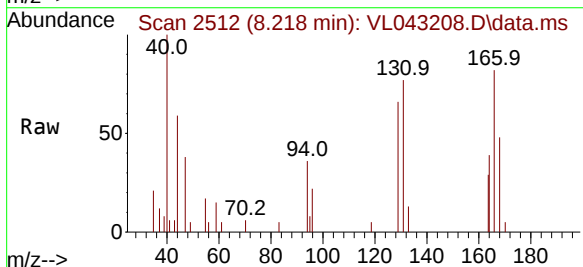
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

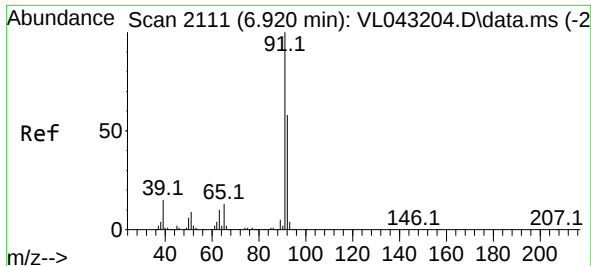
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.0 0.0 0.0



#52
Tetrachloroethene
Concen: 0.025 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 164 Resp: 248
Ion Ratio Lower Upper
164 100
166 87.8 99.4 149.2#
129 90.9 81.8 122.8
131 19.7 77.4 116.2#

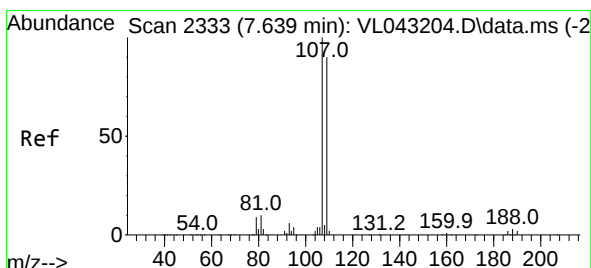
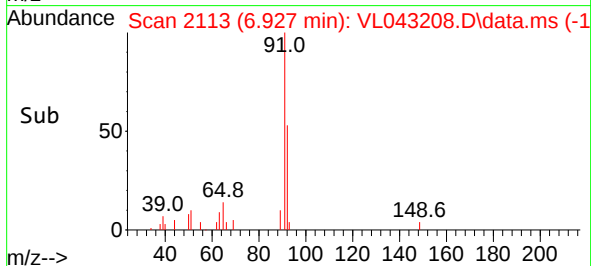
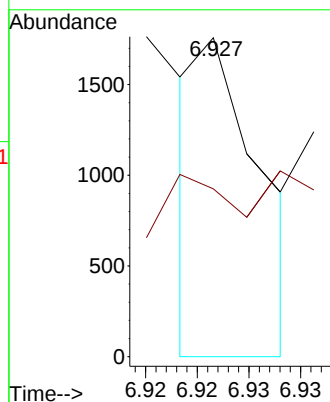
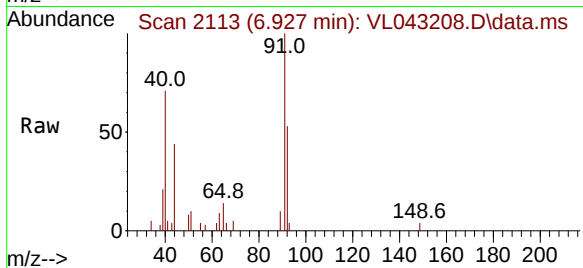




#53
Toluene
Concen: 0.023 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

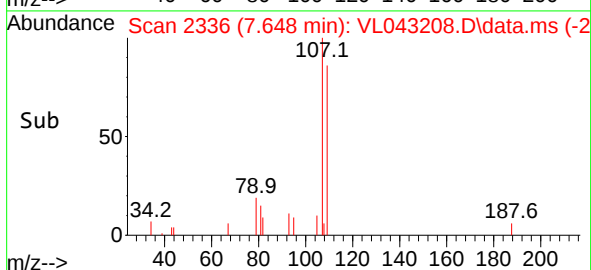
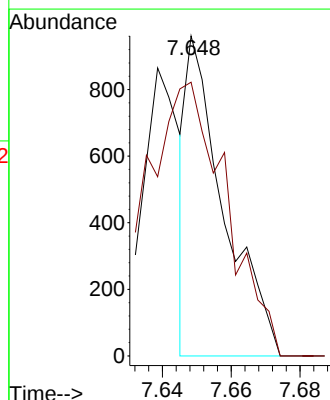
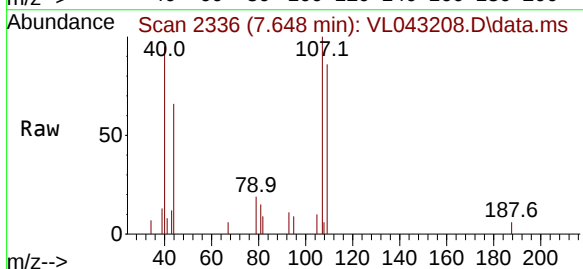
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

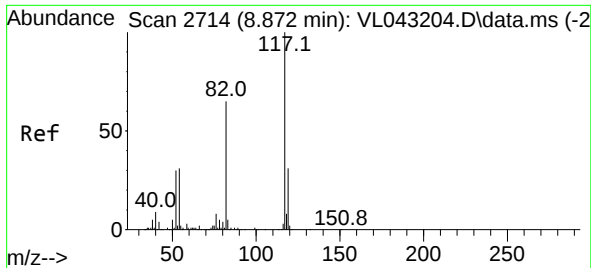
Tgt Ion: 91 Resp: 734
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#



#54
1,2-Dibromoethane
Concen: 0.048 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.009 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 107 Resp: 719
Ion Ratio Lower Upper
107 100
109 85.5 72.1 108.1

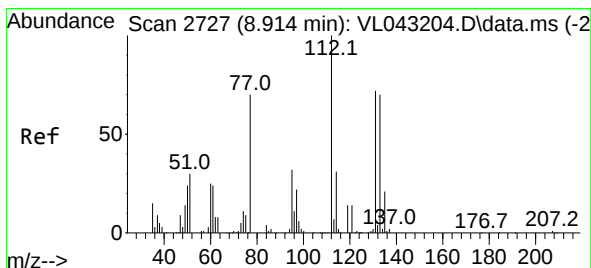
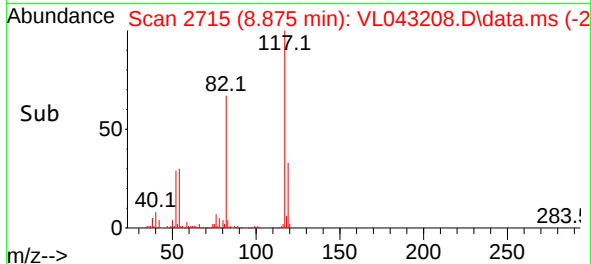
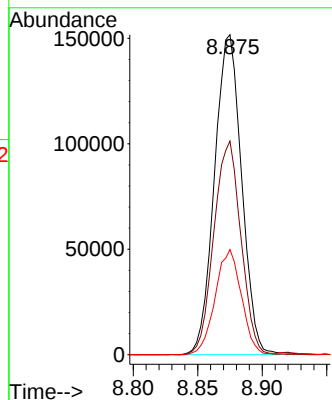
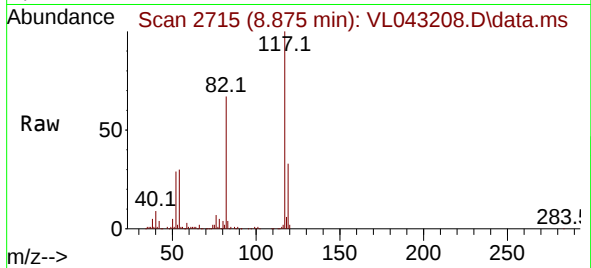




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

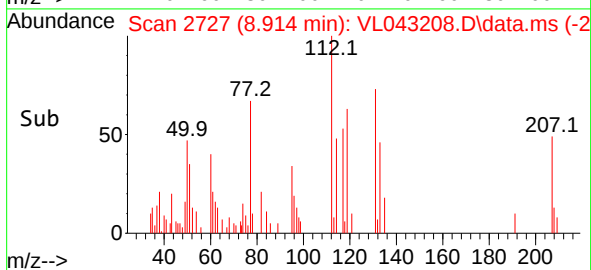
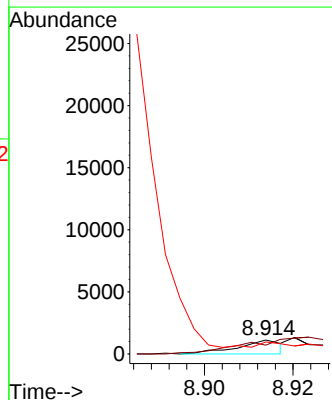
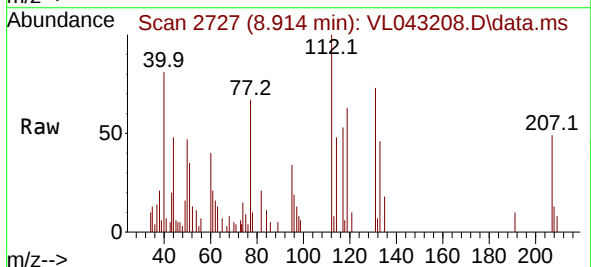
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

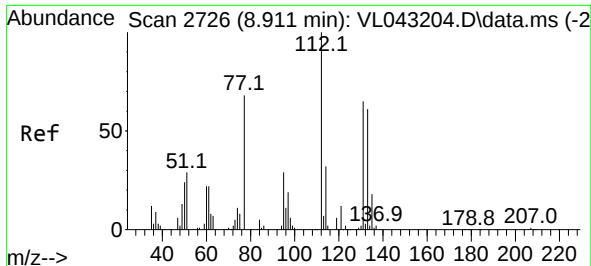
Tgt Ion:117 Resp: 222034
Ion Ratio Lower Upper
117 100
82 66.4 56.1 84.1
119 32.2 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.047 ppbv
RT: 8.914 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:131 Resp: 760
Ion Ratio Lower Upper
131 100
133 0.0 77.4 116.2#
119 0.0 49.1 73.7#

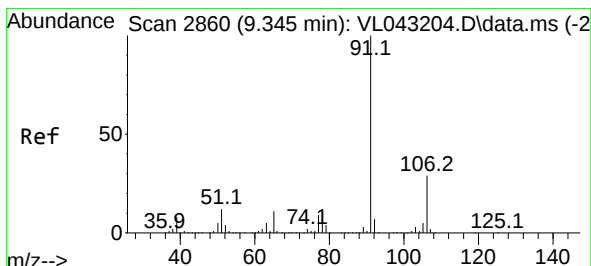
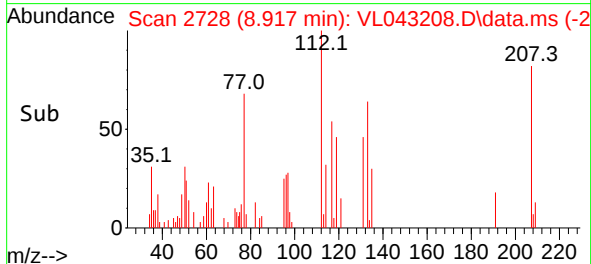
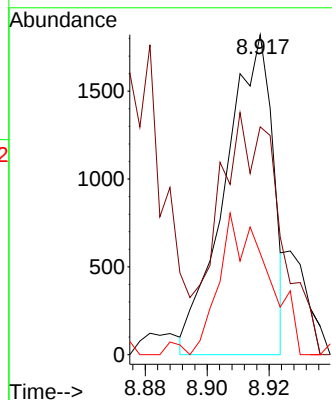
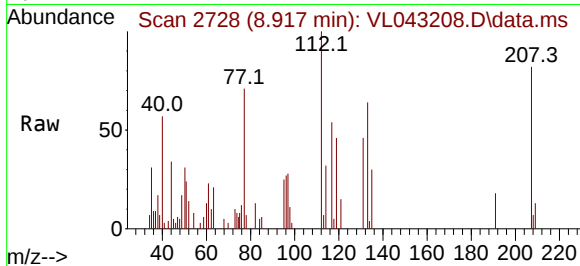




#57
Chlorobenzene
Concen: 0.086 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

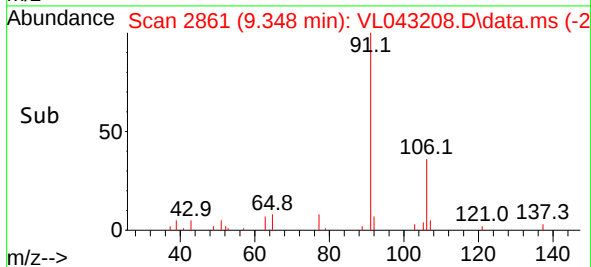
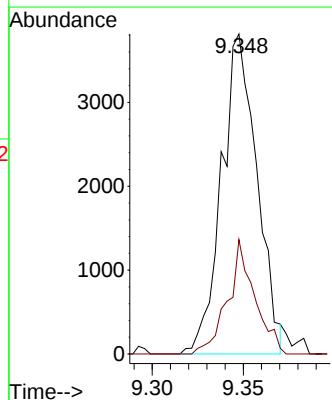
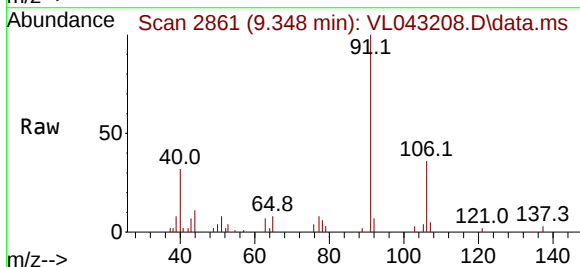
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

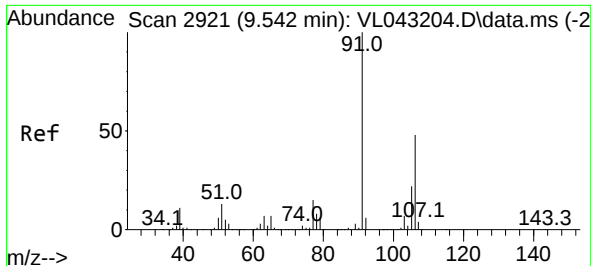
Tgt Ion:112 Resp: 1955
Ion Ratio Lower Upper
112 100
77 48.2 55.5 83.3#
114 30.3 29.1 35.5



#58
Ethyl Benzene
Concen: 0.121 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 91 Resp: 5157
Ion Ratio Lower Upper
91 100
106 35.7 22.8 34.2#





#59

m/p-Xylene

Concen: 0.090 ppbv

RT: 9.545 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

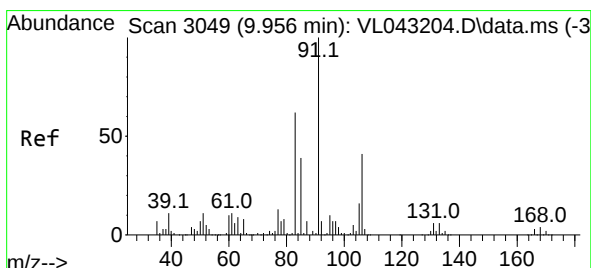
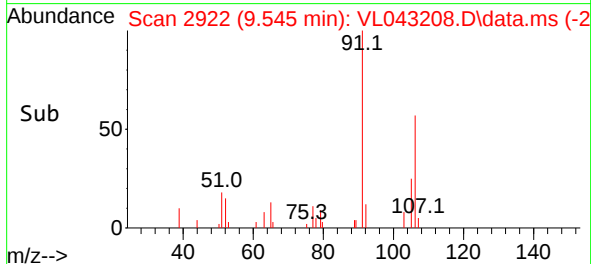
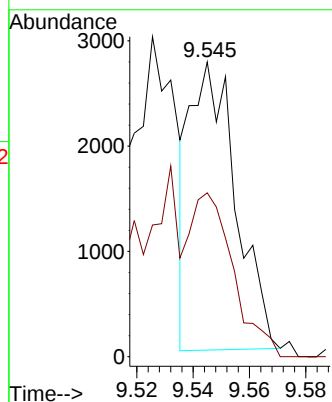
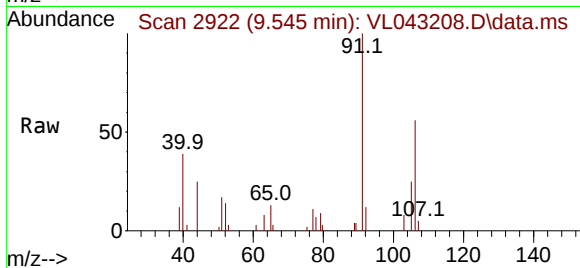
VSTDIC0.1

Tgt Ion: 91 Resp: 3099

Ion Ratio Lower Upper

91 100

106 0.0 36.1 54.1#



#60

o-Xylene

Concen: 0.101 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL043208.D

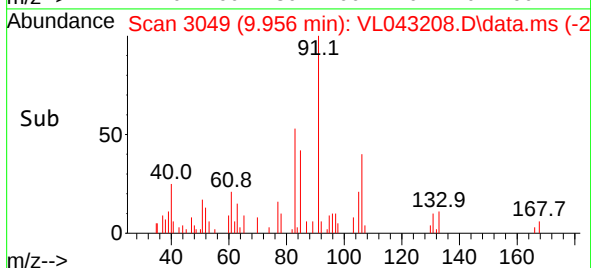
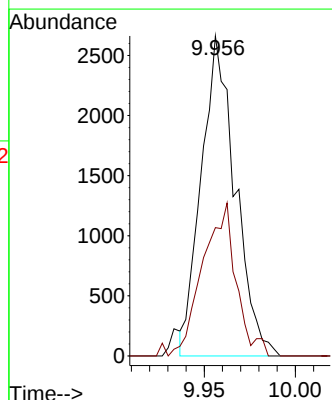
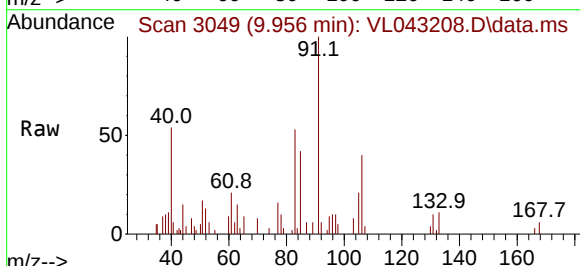
Acq: 18 Nov 2025 12:16

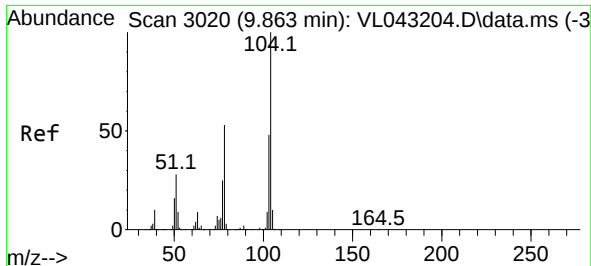
Tgt Ion: 91 Resp: 3453

Ion Ratio Lower Upper

91 100

106 47.5 20.9 62.8

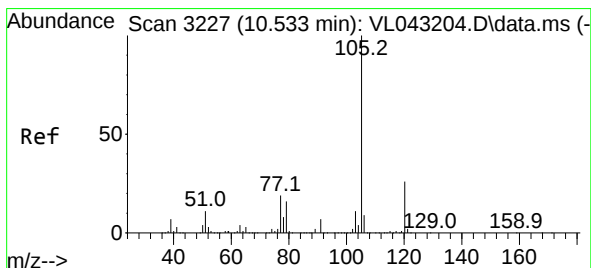
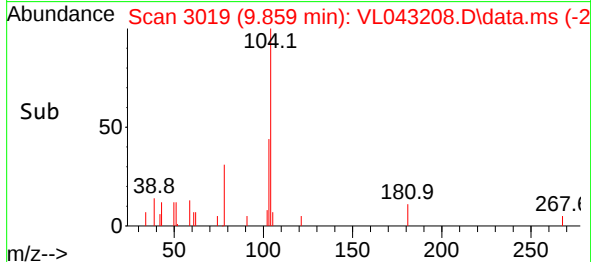
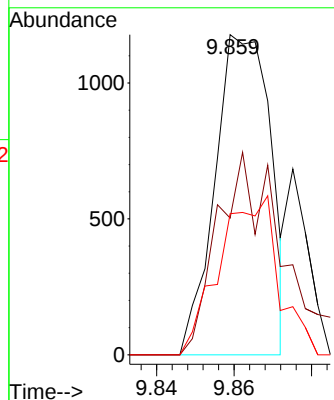
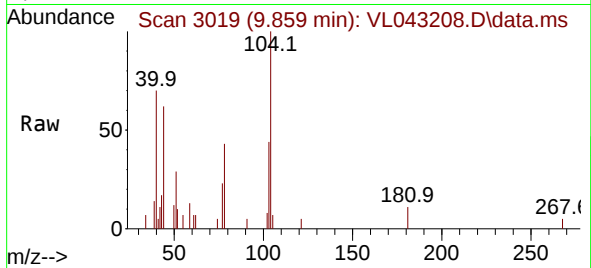




#61
Styrene
Concen: 0.079 ppbv
RT: 9.859 min Scan# 3019
Delta R.T. -0.004 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

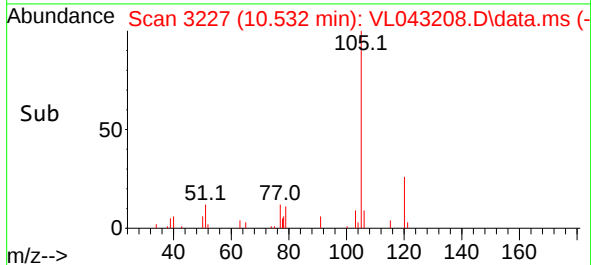
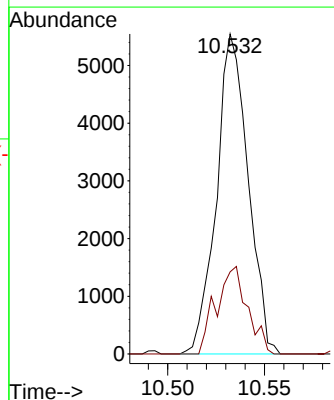
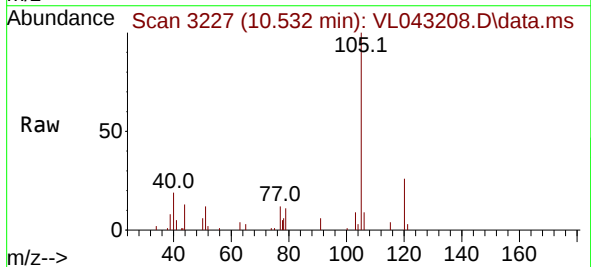
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

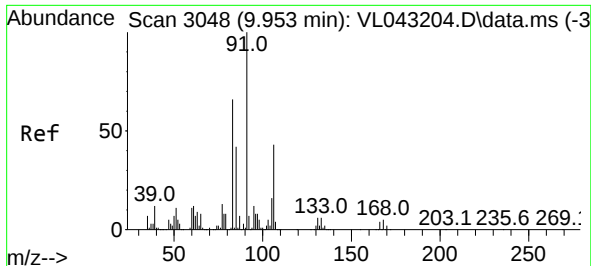
Tgt Ion:104 Resp: 1176
Ion Ratio Lower Upper
104 100
78 77.0 42.1 63.1#
103 0.0 37.2 55.8#



#62
Isopropylbenzene
Concen: 0.103 ppbv
RT: 10.532 min Scan# 3227
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:105 Resp: 6313
Ion Ratio Lower Upper
105 100
120 26.9 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.064 ppbv

RT: 9.953 min Scan# 3048

Delta R.T. -0.000 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

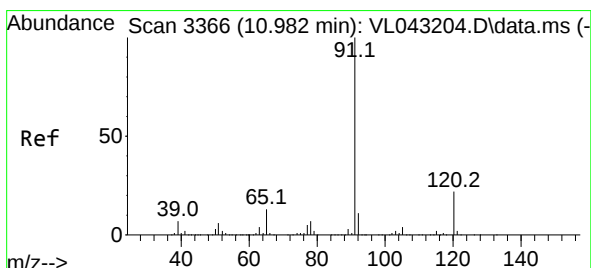
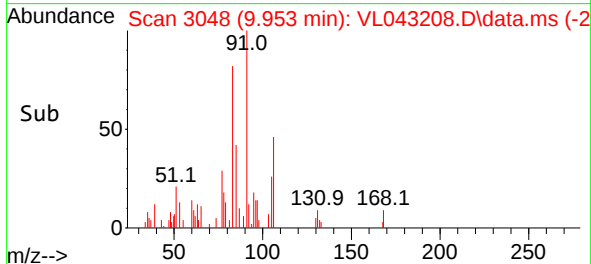
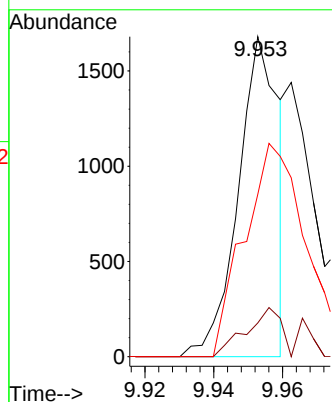
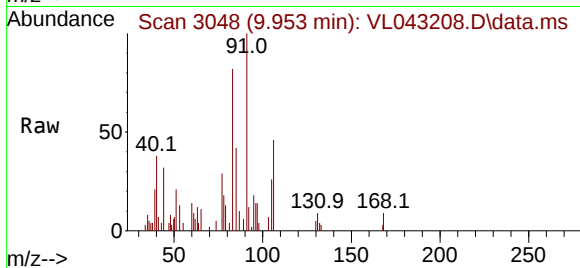
Tgt Ion: 83 Resp: 1380

Ion Ratio Lower Upper

83 100

131 17.4 4.8 14.3#

85 99.1 31.9 95.9#



#64

n-propylbenzene

Concen: 0.104 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.006 min

Lab File: VL043208.D

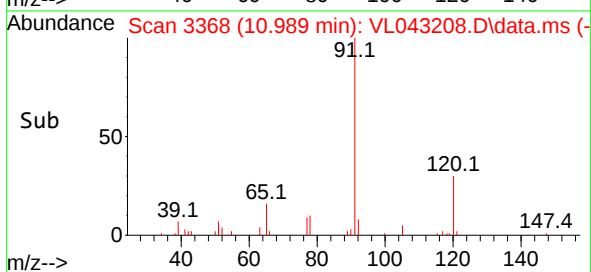
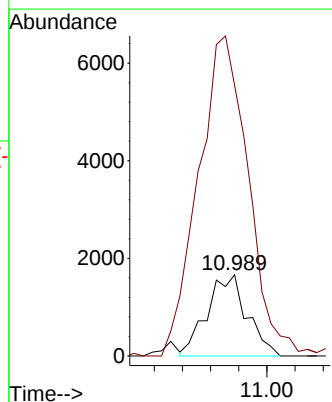
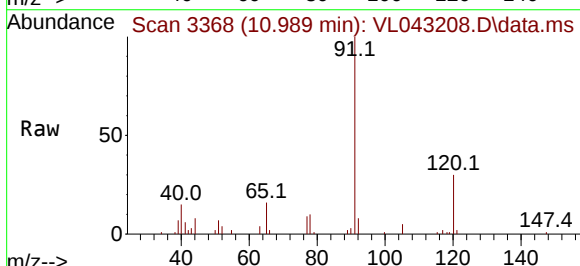
Acq: 18 Nov 2025 12:16

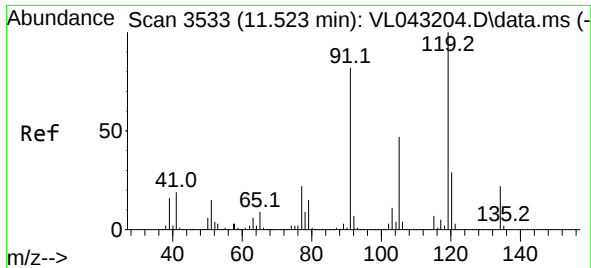
Tgt Ion: 120 Resp: 1635

Ion Ratio Lower Upper

120 100

91 507.0 377.1 565.7

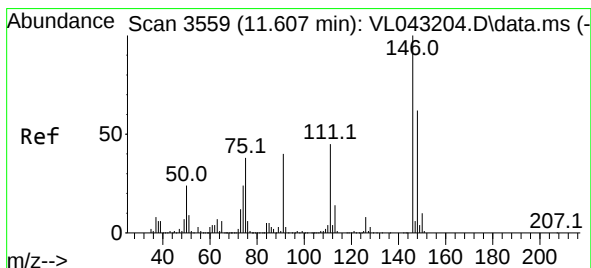
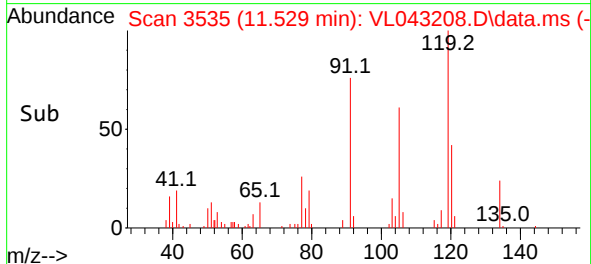
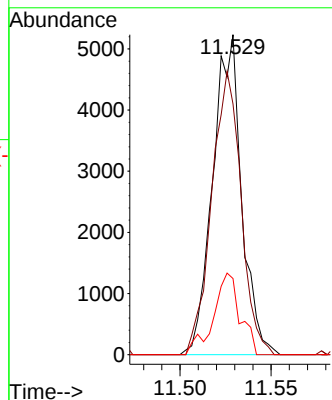
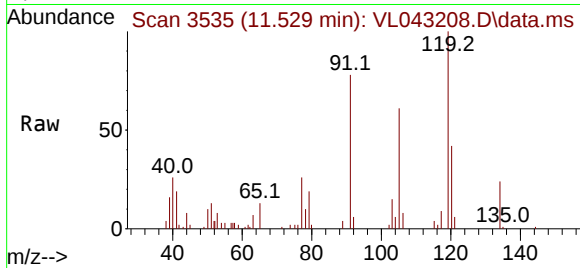




#65
tert-Butylbenzene
Concen: 0.105 ppbv
RT: 11.529 min Scan# 3533
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

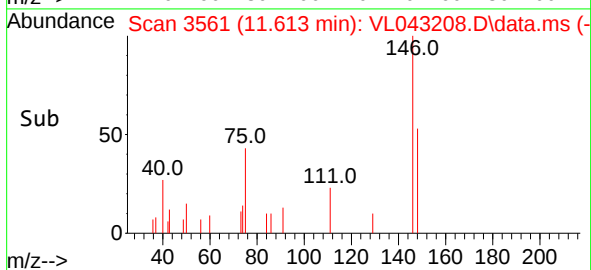
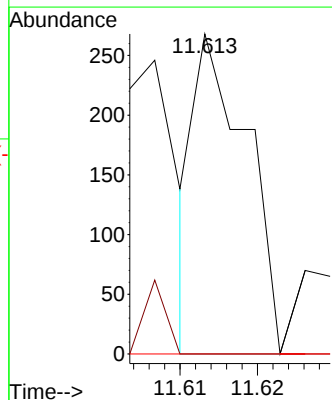
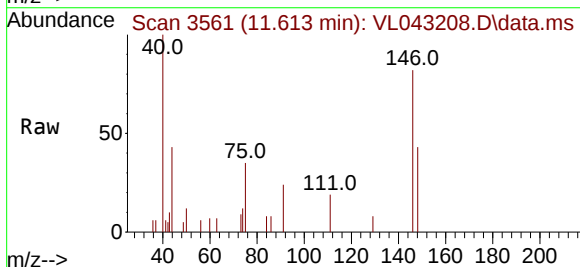
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

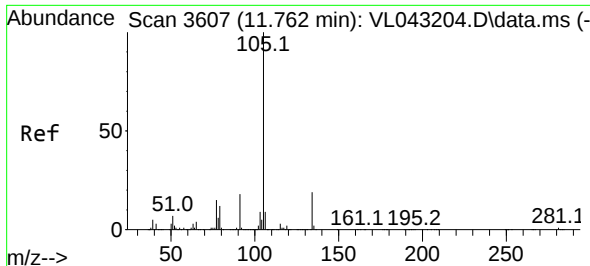
Tgt Ion:	119	Resp:	5745
Ion	Ratio	Lower	Upper
119	100		
91	90.4	65.3	97.9
134	23.6	17.0	25.4



#66
Benzyl Chloride
Concen: 0.023 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:	91	Resp:	125
Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.4	21.6#
128	0.0	4.6	6.8#

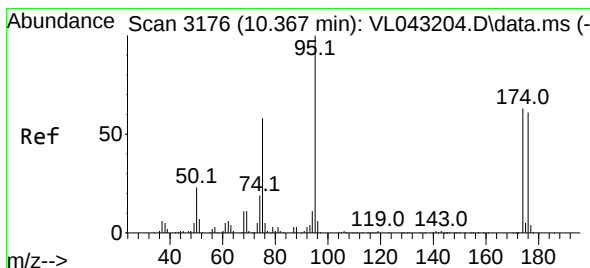
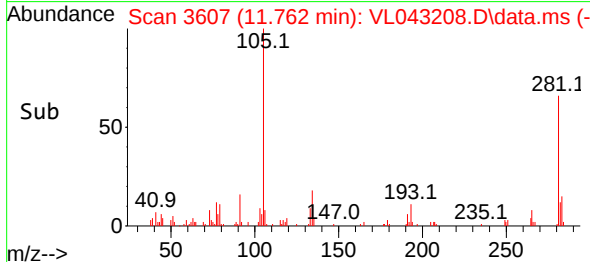
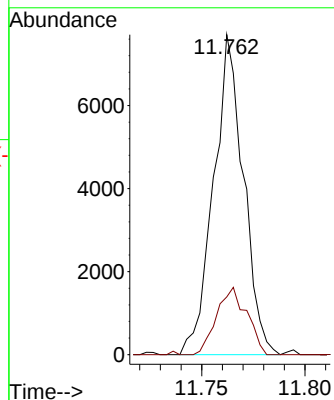
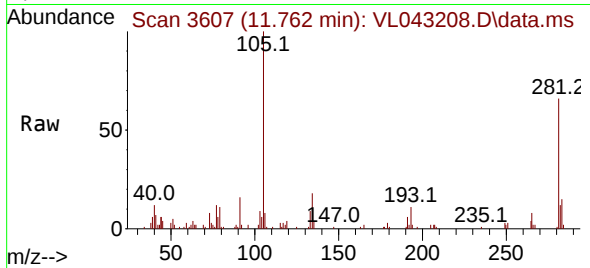




#67
 sec-Butylbenzene
 Concen: 0.102 ppbv
 RT: 11.762 min Scan# 3176
 Delta R.T. -0.000 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

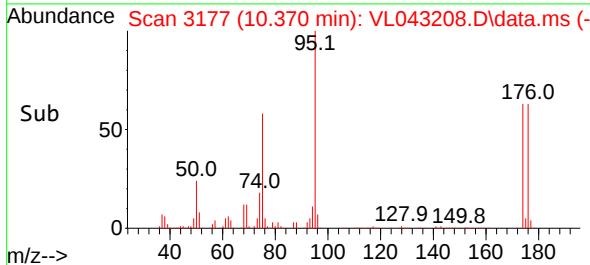
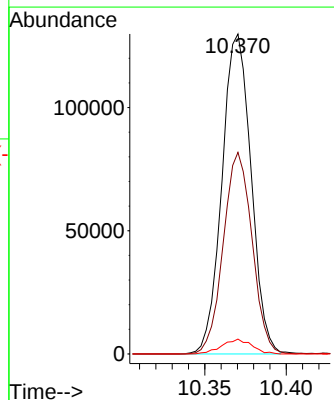
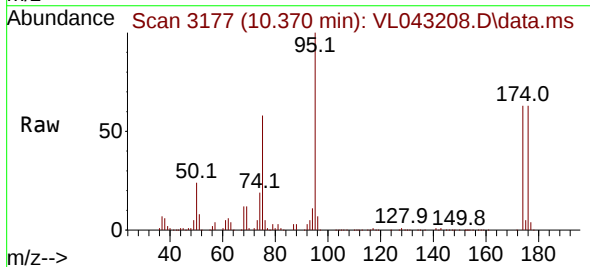
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

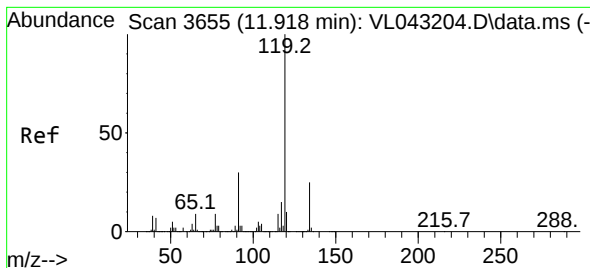
Tgt Ion:105 Resp: 7764
 Ion Ratio Lower Upper
 105 100
 134 21.5 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.890 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.003 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

Tgt Ion: 95 Resp: 160968
 Ion Ratio Lower Upper
 95 100
 174 62.5 50.2 75.2
 175 4.8 4.1 6.1





#69

p-Isopropyltoluene

Concen: 0.099 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. 0.003 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

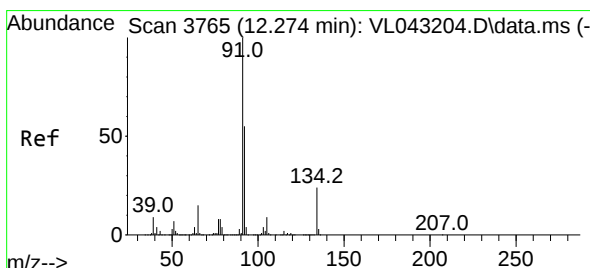
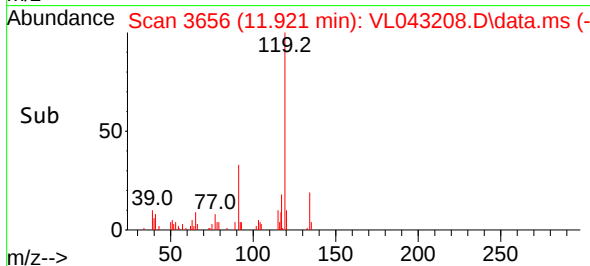
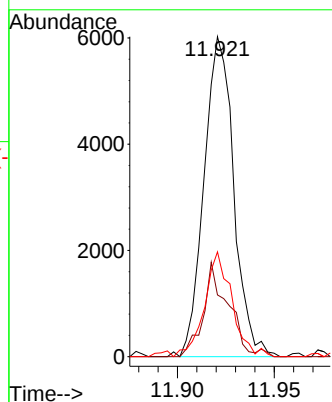
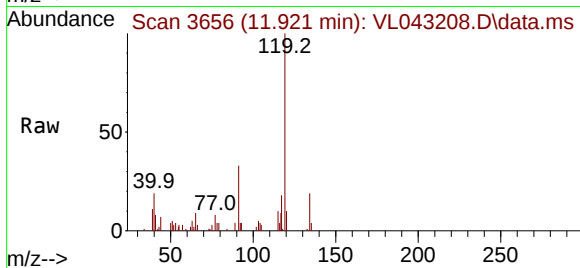
Tgt Ion:119 Resp: 6425

Ion Ratio Lower Upper

119 100

134 24.9 20.2 30.2

91 30.8 23.8 35.8



#70

n-Butylbenzene

Concen: 0.082 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.006 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

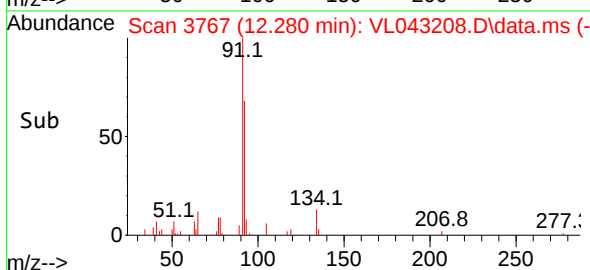
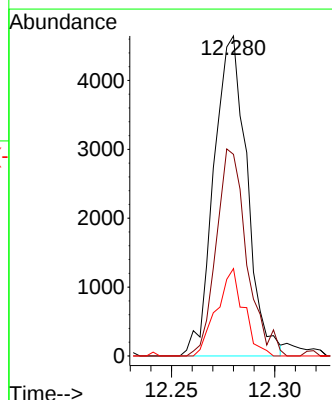
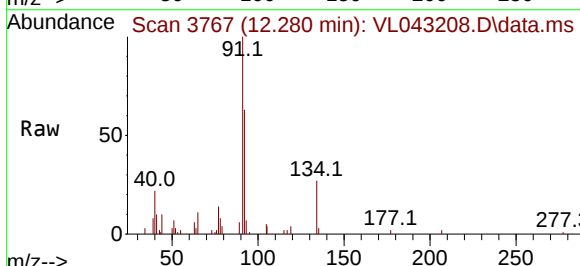
Tgt Ion: 91 Resp: 5160

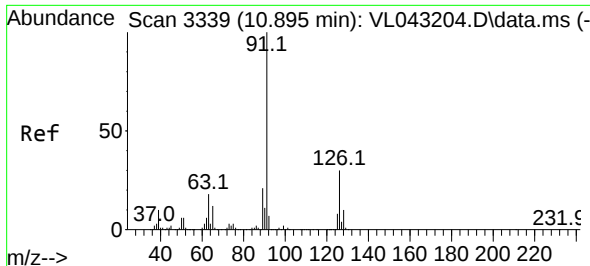
Ion Ratio Lower Upper

91 100

92 60.4 43.5 65.3

134 22.5 19.0 28.6

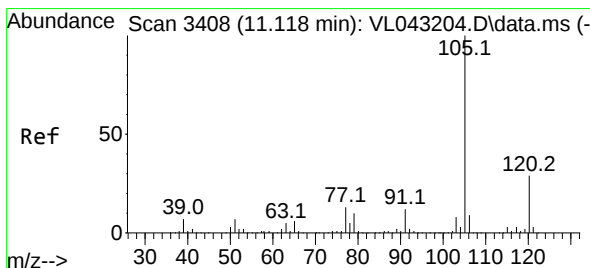
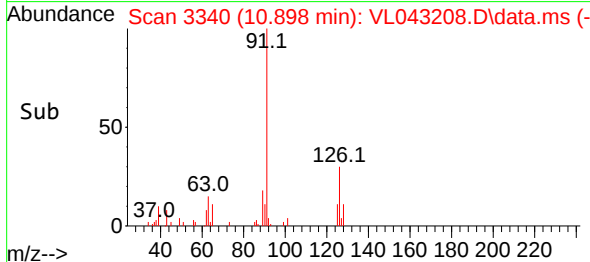
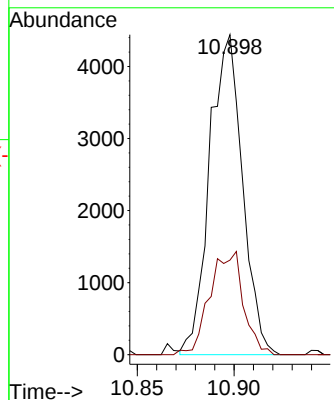
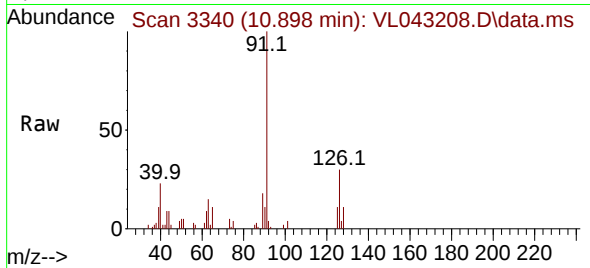




#71
2-Chlorotoluene
Concen: 0.111 ppbv
RT: 10.898 min Scan# 3110
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

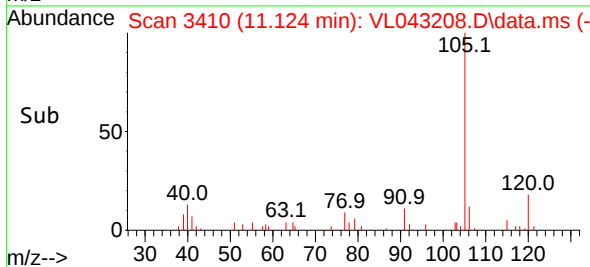
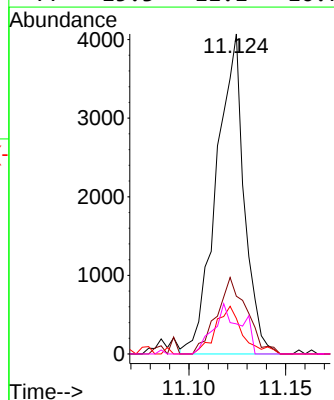
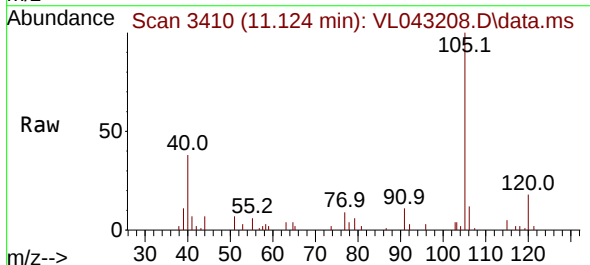
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

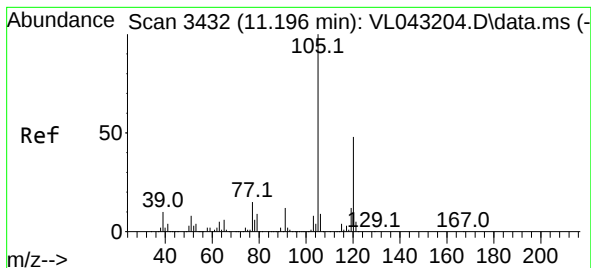
Tgt Ion: 91 Resp: 5248
Ion Ratio Lower Upper
91 100
126 32.9 11.7 46.7



#72
4-Ethyltoluene
Concen: 0.097 ppbv
RT: 11.124 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion: 105 Resp: 4061
Ion Ratio Lower Upper
105 100
120 27.0 23.8 35.8
91 14.4 10.3 15.5
77 15.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.098 ppbv

RT: 11.196 min Scan# 3432

Delta R.T. -0.000 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

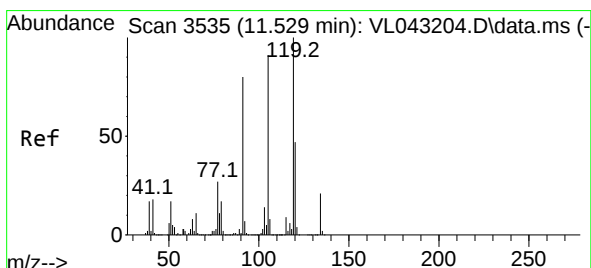
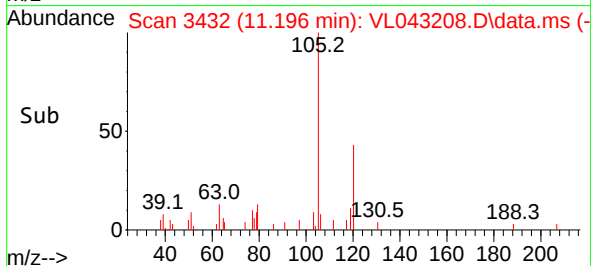
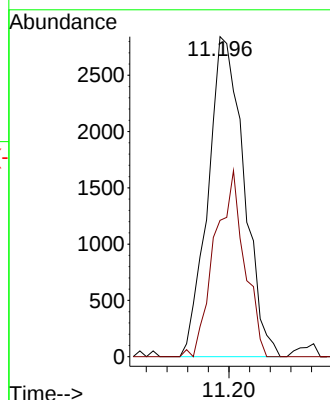
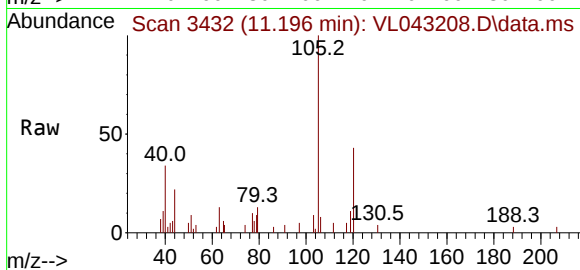
VSTDIC0.1

Tgt Ion:105 Resp: 3445

Ion Ratio Lower Upper

105 100

120 42.6 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 0.039 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.006 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Tgt Ion:105 Resp: 1485

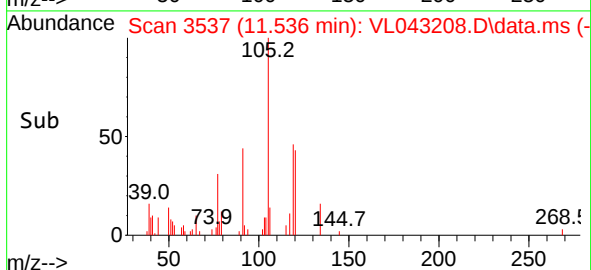
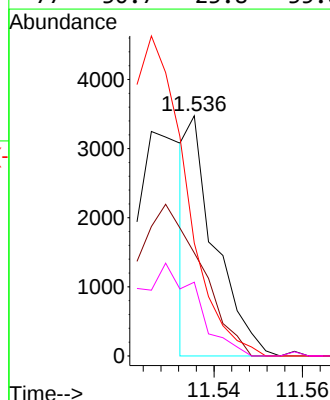
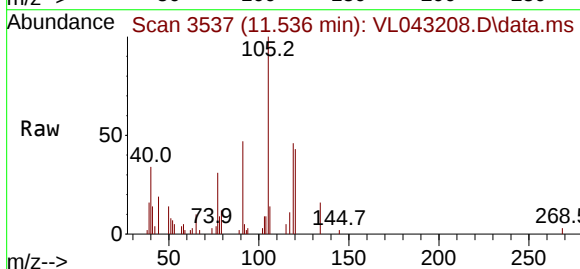
Ion Ratio Lower Upper

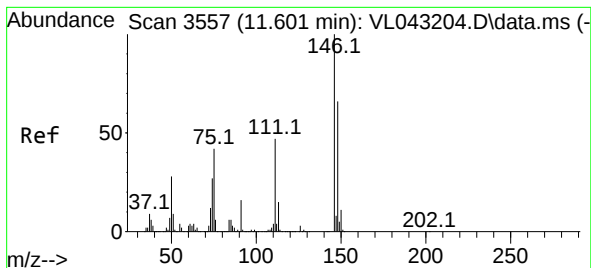
105 100

120 42.9 41.7 62.5

91 47.0 70.0 105.0#

77 30.7 23.8 35.8





#75

1,3-Dichlorobenzene

Concen: 0.087 ppbv

RT: 11.604 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

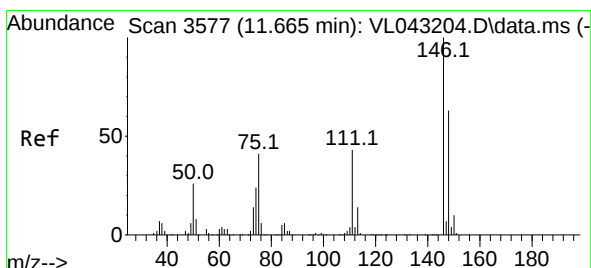
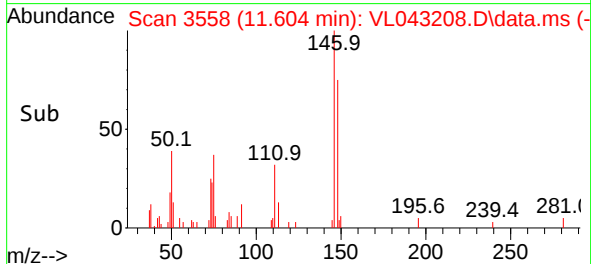
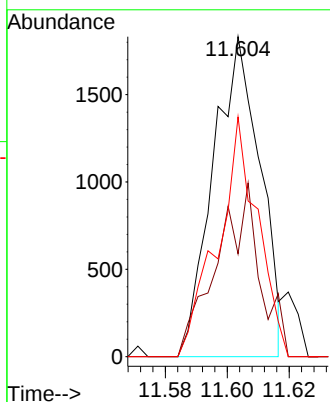
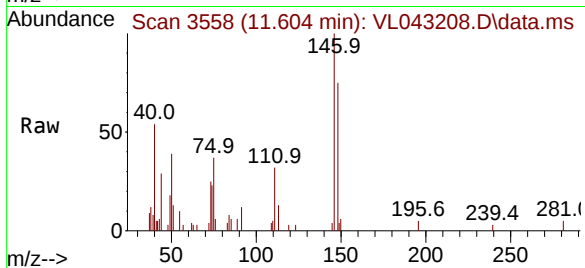
Tgt Ion:146 Resp: 1935

Ion Ratio Lower Upper

146 100

111 49.3 23.4 70.3

148 63.5 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.096 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. 0.003 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

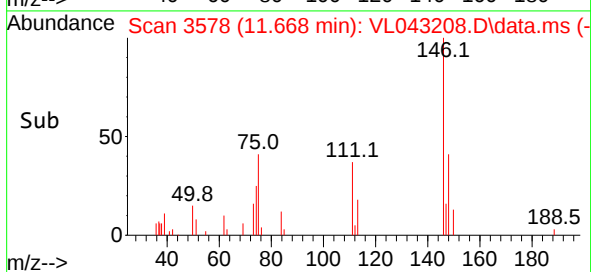
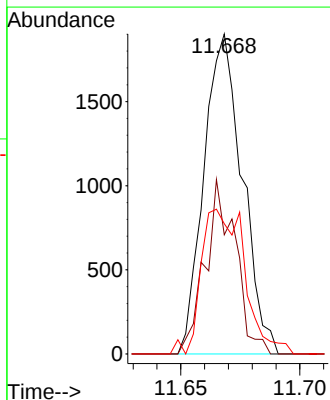
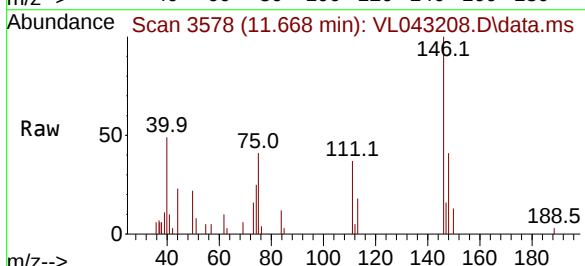
Tgt Ion:146 Resp: 2131

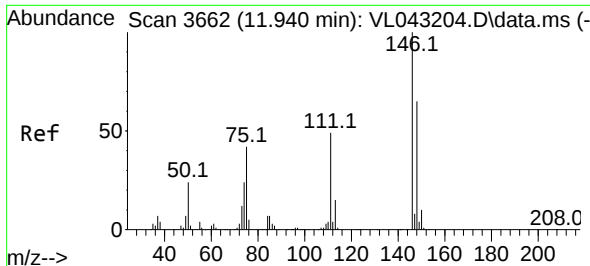
Ion Ratio Lower Upper

146 100

111 42.9 22.8 68.3

148 51.4 31.8 95.4

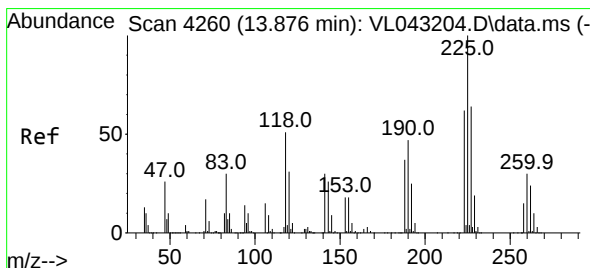
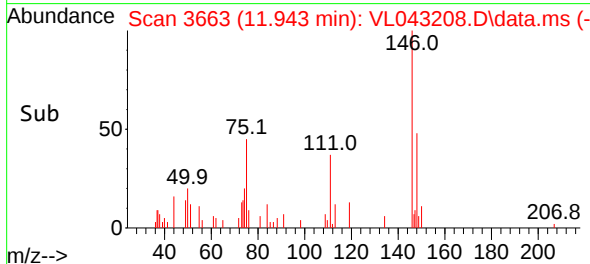
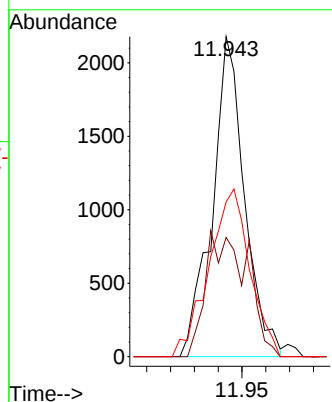
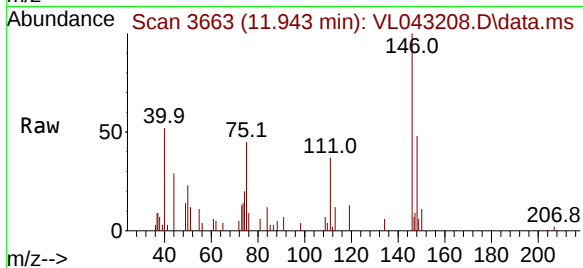




#77
1,2-Dichlorobenzene
Concen: 0.096 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. 0.003 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

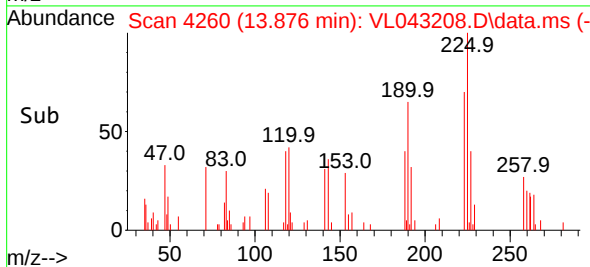
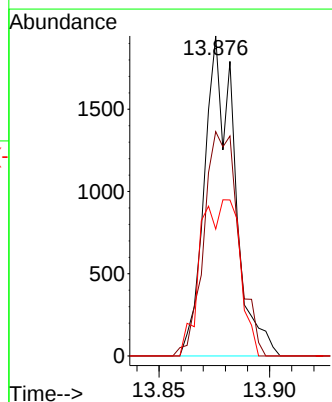
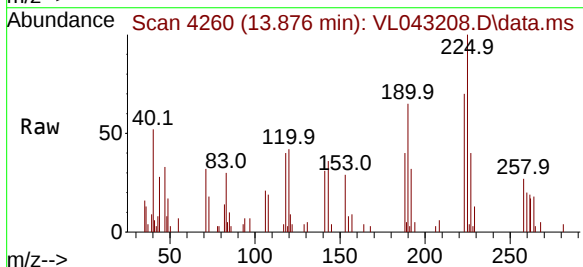
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

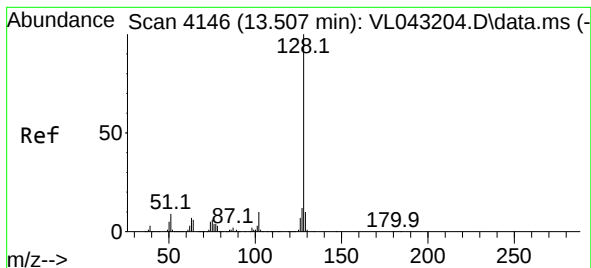
Tgt Ion:	146	Resp:	2051
Ion Ratio	Lower	Upper	
146	100		
111	50.8	24.3	73.0
148	66.4	31.6	94.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.103 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.000 min
Lab File: VL043208.D
Acq: 18 Nov 2025 12:16

Tgt Ion:	225	Resp:	1837
Ion Ratio	Lower	Upper	
225	100		
223	79.9	50.2	75.4#
227	64.2	51.1	76.7





#79

Naphthalene

Concen: 0.062 ppbv

RT: 13.510 min Scan# 4146

Delta R.T. 0.003 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

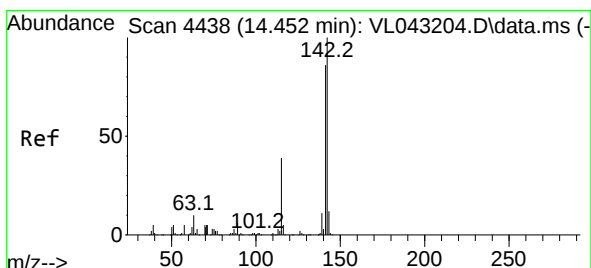
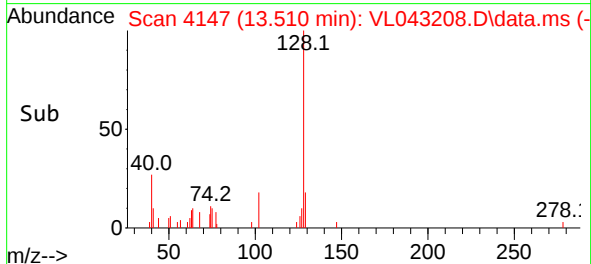
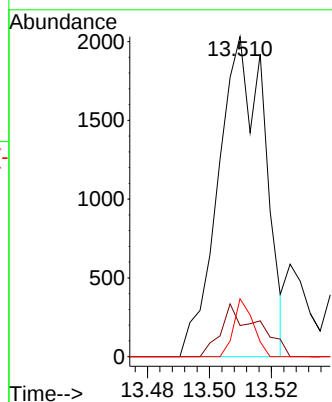
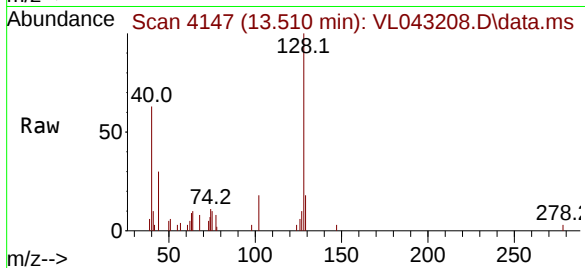
Tgt Ion:128 Resp: 2112

Ion Ratio Lower Upper

128 100

127 9.7 9.9 14.9#

129 18.1 8.4 12.6#



#80

Naphthalene,2-methyl-

Concen: 0.035 ppbv

RT: 14.507 min Scan# 4455

Delta R.T. 0.055 min

Lab File: VL043208.D

Acq: 18 Nov 2025 12:16

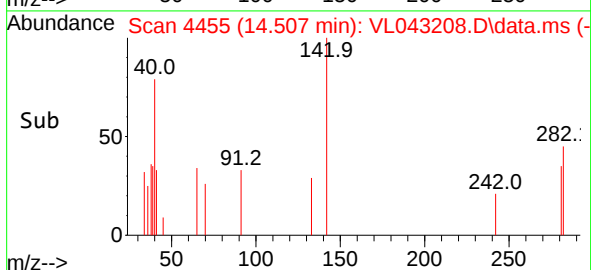
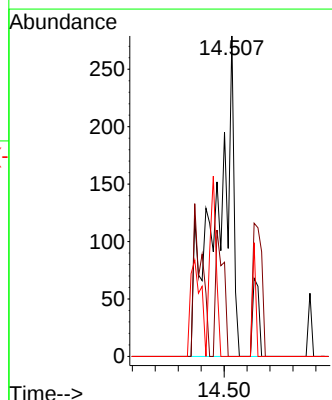
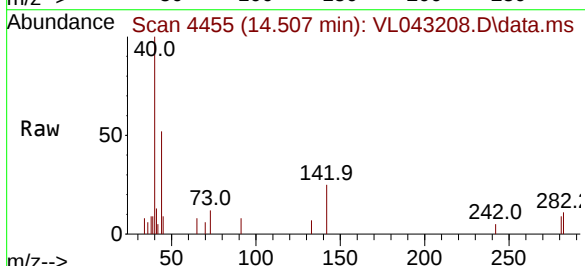
Tgt Ion:142 Resp: 309

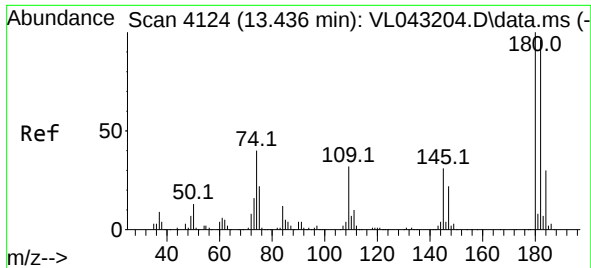
Ion Ratio Lower Upper

142 100

141 38.8 67.1 100.7#

115 36.9 31.9 47.9





#81
 1,2,4-Trichlorobenzene
 Concen: 0.023 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043208.D
 Acq: 18 Nov 2025 12:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:180 Resp: 350
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.4 116.2#
 184 0.0 24.2 36.4#

