

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043140.D
 Acq On : 03 Nov 2025 10:21
 Operator : SY/MD
 Sample : CAN 10595
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10595

Quant Time: Nov 04 03:07:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	120901	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	390173	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	338133	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	262010	9.969	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.667	85	24	0.001	ppbv #	17
3) Chlorodifluoromethane	1.441	51	55	0.003	ppbv #	1
4) Chloromethane	1.535	50	39	0.006	ppbv #	85
5) Vinyl Chloride	1.460	62	23	0.003	ppbv #	44
6) Bromomethane	1.703	94	37	0.010	ppbv #	4
7) Chloroethane	1.923	64	44	0.016	ppbv #	42
8) Dichlorotetrafluoroethane	1.667	85	24	0.002	ppbv #	20
9) Propene	1.486	41	105	0.013	ppbv #	15
10) Heptane	4.988	43	77	0.003	ppbv #	27
12) 1,1,2-Trichlorotrifluo...	2.447	101	28	0.002	ppbv #	52
14) Bromoethene	1.790	108	25	0.005	ppbv #	1
16) 1,3-Butadiene	1.606	39	64	0.008	ppbv #	13
17) tert-Butyl alcohol	2.043	59	292	0.013	ppbv #	1
18) 1,1-Dichloroethene	2.030	96	59	0.010	ppbv #	1
19) Isopropyl Alcohol	1.845	45	171	0.017	ppbv #	1
21) Allyl Chloride	2.098	41	241	0.020	ppbv #	21
22) trans-1,2-Dichloroethene	2.295	96	95	0.013	ppbv #	1
23) Vinyl Acetate	2.464	43	186	0.008	ppbv #	1
24) 1,1-Dichloroethane	2.392	63	64	0.005	ppbv #	87
25) Ethyl Acetate	2.833	43	145	0.004	ppbv #	75
26) Hexane	2.826	57	111	0.006	ppbv #	1
27) Carbon Disulfide	2.156	76	88	0.005	ppbv #	1
28) Methyl tert-Butyl Ether	2.435	73	59	0.007	ppbv #	1
29) Chloroform	2.846	83	60	0.002	ppbv	96
30) Cyclohexane	3.836	84	45	0.003	ppbv #	1
31) cis-1,2-Dichloroethene	2.638	61	29	0.002	ppbv #	24
32) 1,1,1-Trichloroethane	3.114	97	26	0.001	ppbv #	20
35) Carbon Tetrachloride	4.121	117	26	0.001	ppbv #	13
36) Benzene	3.639	78	23	0.001	ppbv #	57
38) Trichloroethene	4.661	130	33	0.002	ppbv #	3
40) 1,4-Dioxane	4.652	88	24	0.004	ppbv #	1
41) Tetrahydrofuran	3.059	42	29	0.002	ppbv #	37
42) Bromodichloromethane	4.564	83	30	0.001	ppbv #	25
43) Methyl Methacrylate	4.856	69	10	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	4.580	57	23	0.000	ppbv #	1
45) t-1,3-Dichloropropene	6.212	75	25	0.001	ppbv #	43
48) Dibromochloromethane	7.639	129	26	0.001	ppbv #	10
49) Bromoform	9.468	173	26	0.001	ppbv #	36
50) 4-Methyl-2-Pentanone	5.762	43	28	0.001	ppbv #	38
51) 2-Hexanone	7.403	43	47	0.002	ppbv #	27
53) Toluene	6.927	91	108	0.002	ppbv #	65
54) 1,2-Dibromoethane	7.160	107	23	0.001	ppbv #	4
57) Chlorobenzene	8.879	112	12	0.000	ppbv #	1

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10595

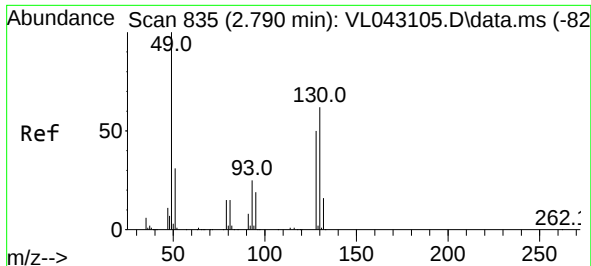
Quant Time: Nov 04 03:07:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
58) Ethyl Benzene	9.361	91	73	0.001	ppbv	#	44
59) m/p-Xylene	9.533	91	40	0.001	ppbv	#	52
60) o-Xylene	9.623	91	25	0.001	ppbv	#	32
62) Isopropylbenzene	10.381	105	102	0.001	ppbv	#	50
63) 1,1,2,2-Tetrachloroethane	9.973	83	33	0.001	ppbv	#	25
64) n-propylbenzene	11.118	120	29	0.001	ppbv	#	6
65) tert-Butylbenzene	11.530	119	101	0.001	ppbv	#	88
66) Benzyl Chloride	11.614	91	35	0.004	ppbv	#	65
67) sec-Butylbenzene	11.759	105	54	0.001	ppbv	#	57
69) p-Isopropyltoluene	11.785	119	138	0.002	ppbv	#	68
70) n-Butylbenzene	12.280	91	29	0.000	ppbv	#	1
71) 2-Chlorotoluene	10.986	91	90	0.001	ppbv	#	45
72) 4-Ethyltoluene	11.125	105	151	0.003	ppbv	#	55
73) 1,3,5-Trimethylbenzene	11.199	105	72	0.002	ppbv	#	28
74) 1,2,4-Trimethylbenzene	11.533	105	244	0.005	ppbv	#	45
75) 1,3-Dichlorobenzene	11.759	146	41	0.001	ppbv	#	23
76) 1,4-Dichlorobenzene	11.759	146	41	0.001	ppbv	#	31
77) 1,2-Dichlorobenzene	11.950	146	45	0.002	ppbv	#	66
79) Naphthalene	13.510	128	76	0.001	ppbv	#	69
80) Naphthalene,2-methyl-	14.248	142	12	0.001	ppbv	#	1
81) 1,2,4-Trichlorobenzene	13.617	180	31	0.001	ppbv	#	13

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

Quant Time: Nov 04 03:07:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

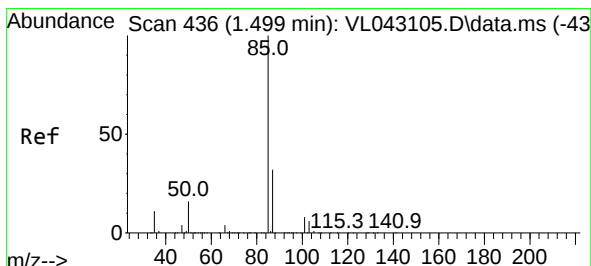
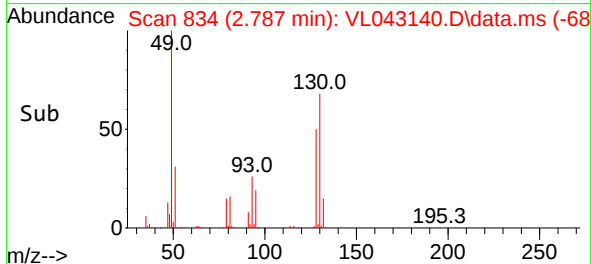
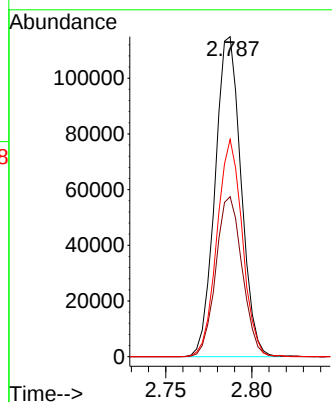
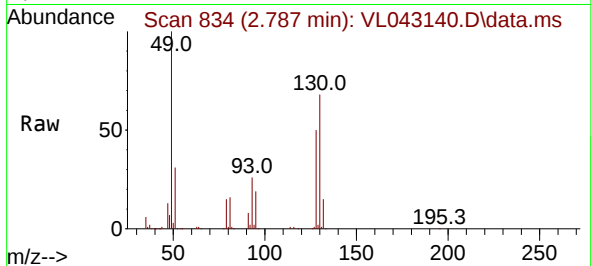




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

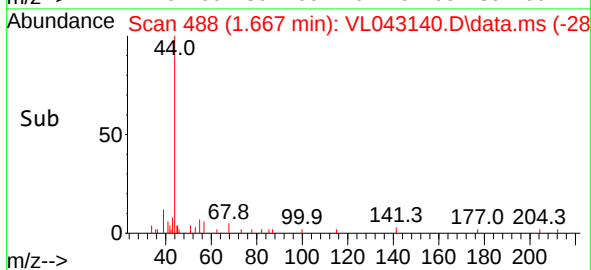
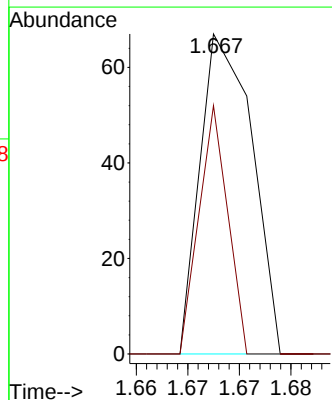
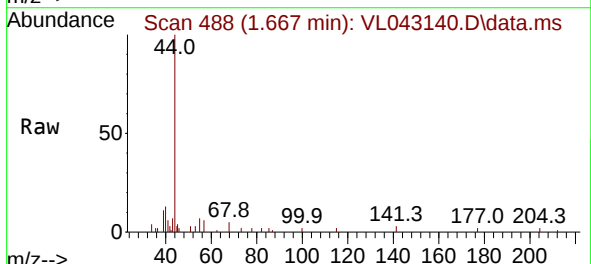
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

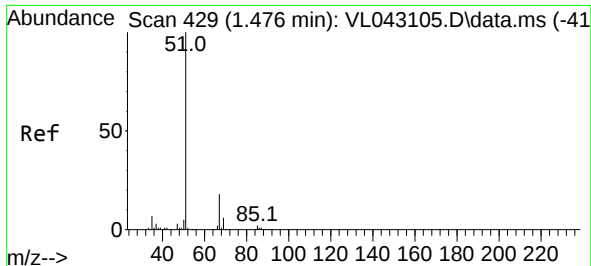
Tgt Ion: 49 Resp: 120901
Ion Ratio Lower Upper
49 100
128 50.7 24.4 73.4
130 66.2 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.001 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.169 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 85 Resp: 24
Ion Ratio Lower Upper
85 100
87 77.6 25.3 37.9#

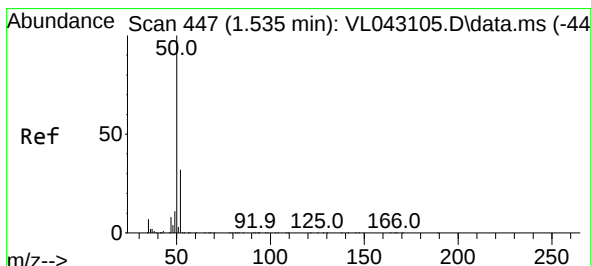
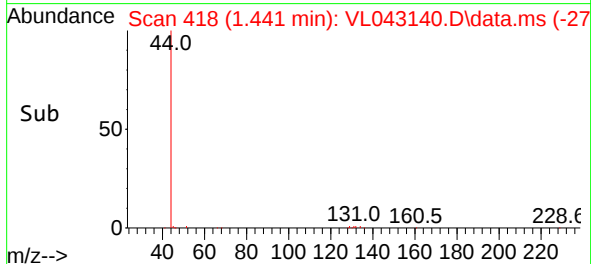
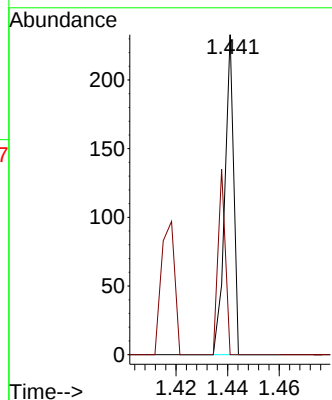
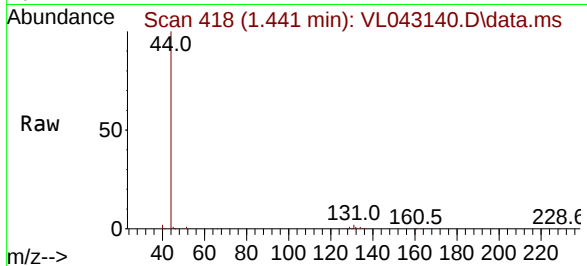




#3
Chlorodifluoromethane
Concen: 0.003 ppbv
RT: 1.441 min Scan# 418
Delta R.T. -0.035 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

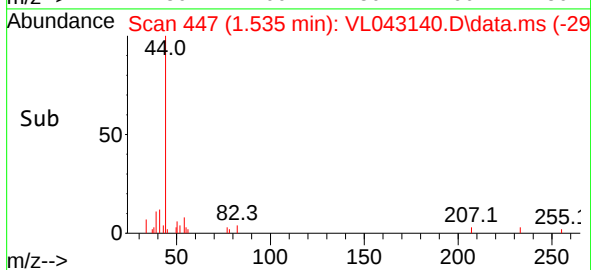
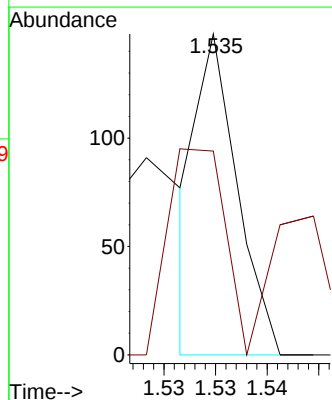
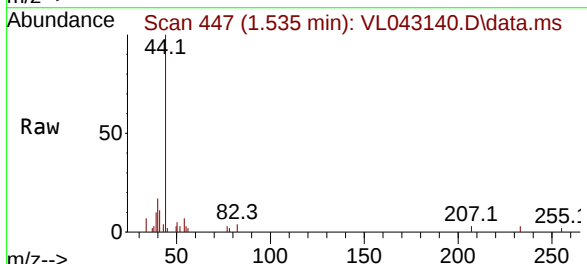
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

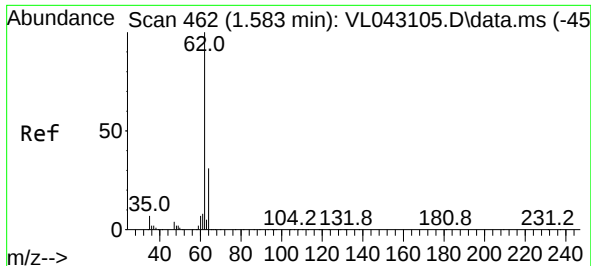
Tgt Ion: 51 Resp: 55
Ion Ratio Lower Upper
51 100
67 209.1 15.1 22.7#



#4
Chloromethane
Concen: 0.006 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 50 Resp: 39
Ion Ratio Lower Upper
50 100
52 23.0 25.2 37.8#

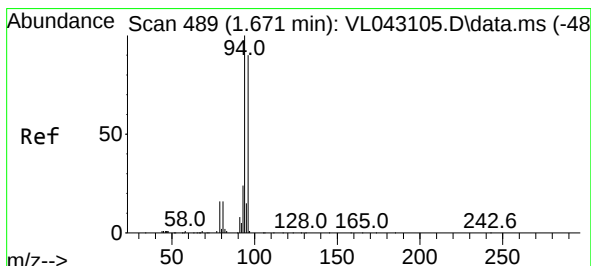
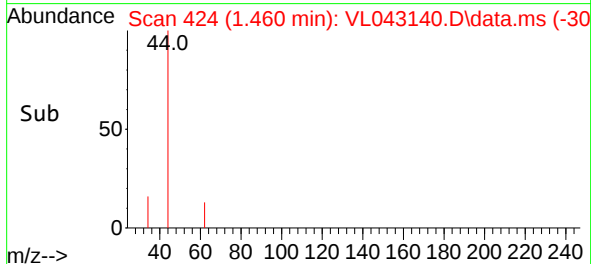
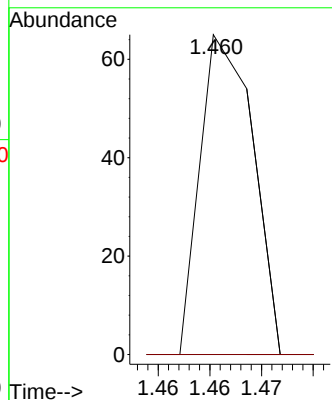
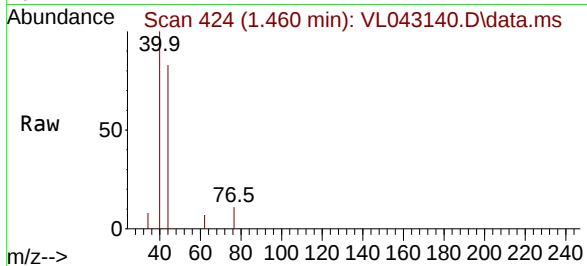




#5
 Vinyl Chloride
 Concen: 0.003 ppbv
 RT: 1.460 min Scan# 41
 Delta R.T. -0.123 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

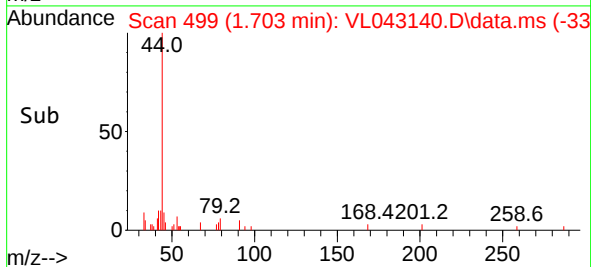
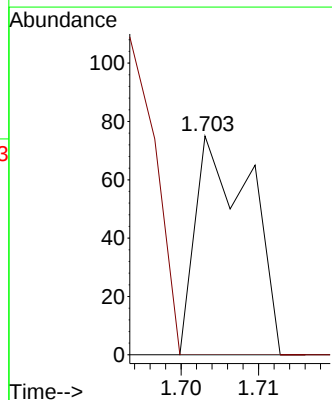
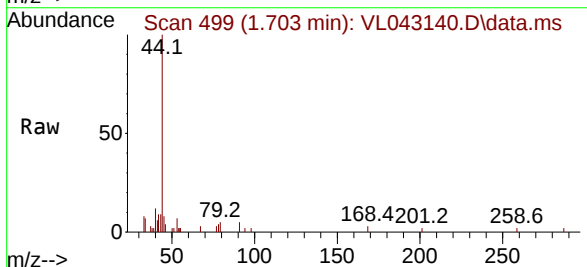
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10595

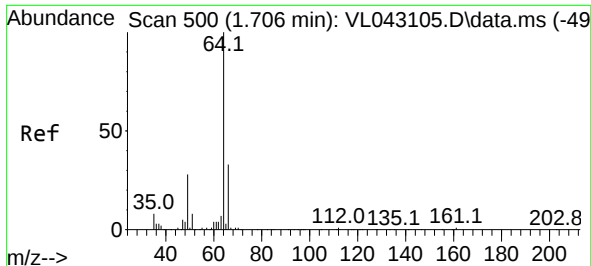
Tgt Ion: 62 Resp: 23
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.6 36.8#



#6
 Bromomethane
 Concen: 0.010 ppbv
 RT: 1.703 min Scan# 499
 Delta R.T. 0.033 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

Tgt Ion: 94 Resp: 37
 Ion Ratio Lower Upper
 94 100
 96 0.0 72.2 108.4#

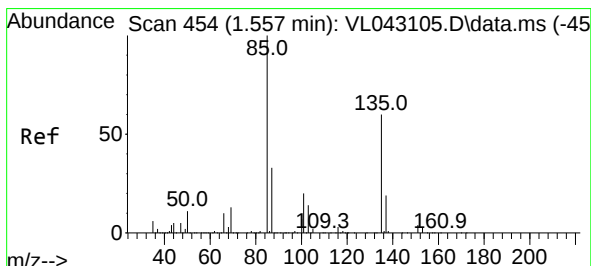
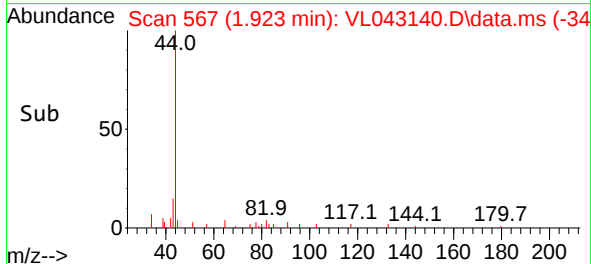
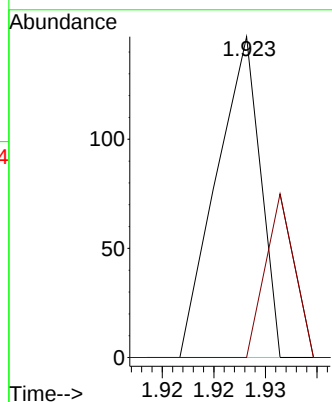
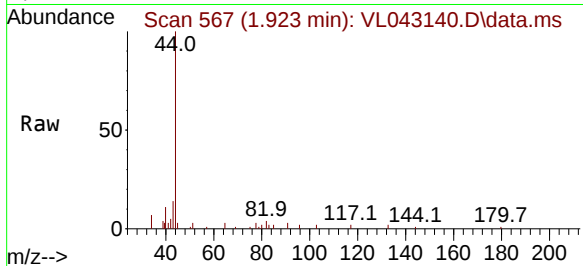




#7
Chloroethane
Concen: 0.016 ppbv
RT: 1.923 min Scan# 50
Delta R.T. 0.217 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

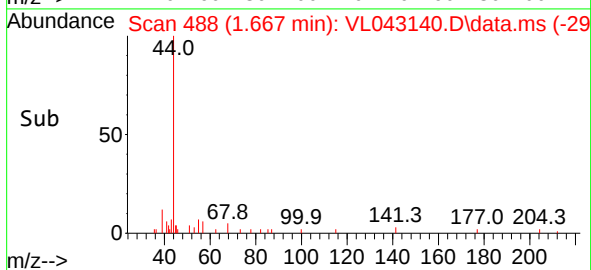
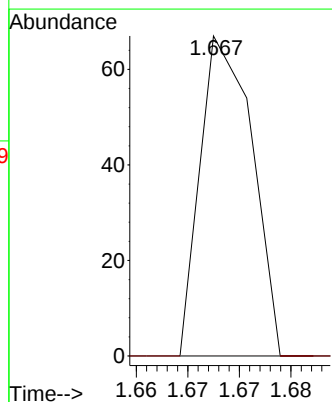
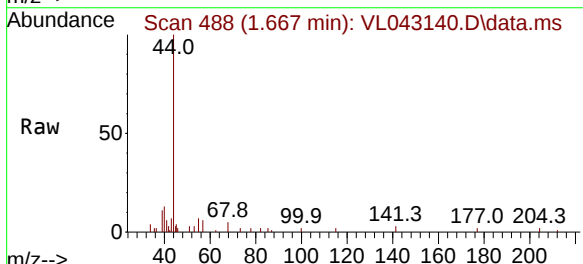
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

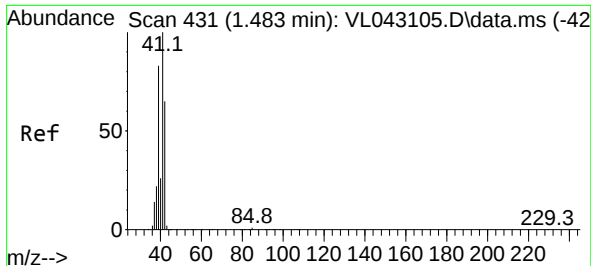
Tgt Ion: 64 Resp: 44
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.002 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.110 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 85 Resp: 24
Ion Ratio Lower Upper
85 100
135 0.0 48.2 72.4#





#9

Propene

Concen: 0.013 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

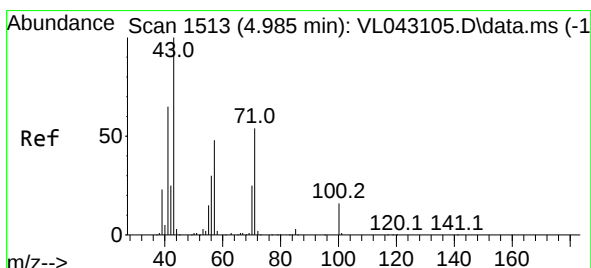
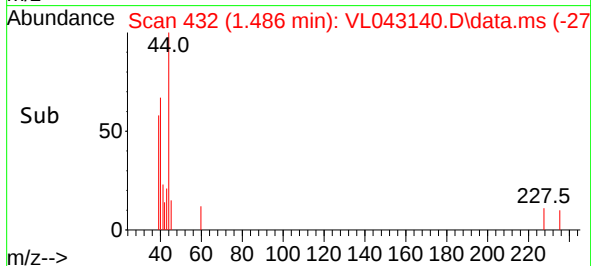
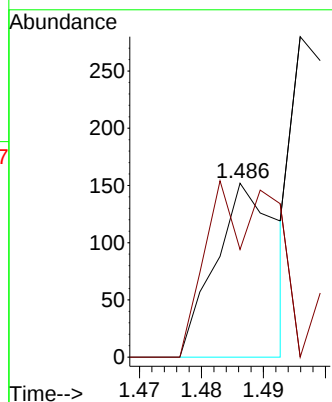
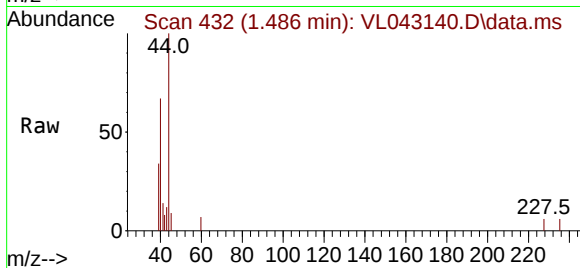
CAN 10595

Tgt Ion: 41 Resp: 105

Ion Ratio Lower Upper

41 100

42 0.0 55.1 82.7#



#10

Heptane

Concen: 0.003 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.003 min

Lab File: VL043140.D

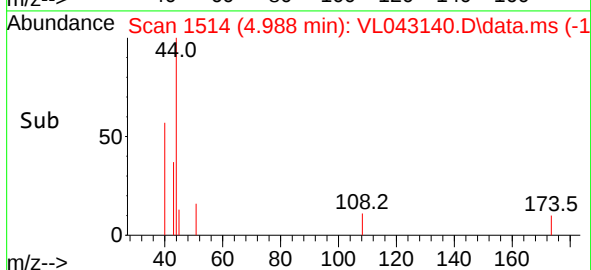
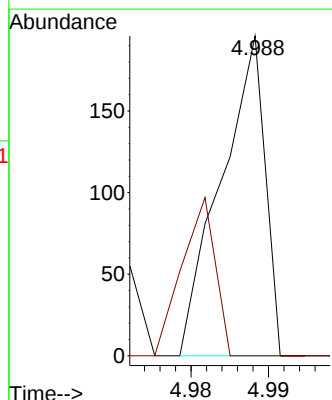
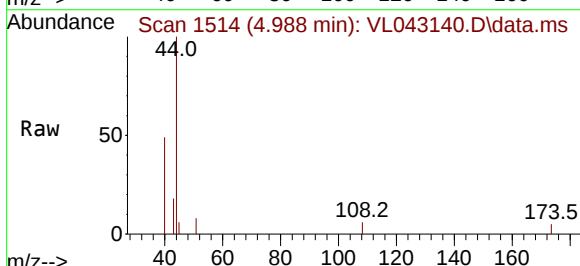
Acq: 03 Nov 2025 10:21

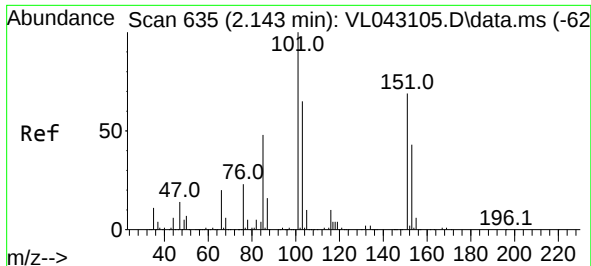
Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

57 0.0 40.8 61.2#





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.002 ppbv

RT: 2.447 min Scan# 71

Delta R.T. 0.304 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

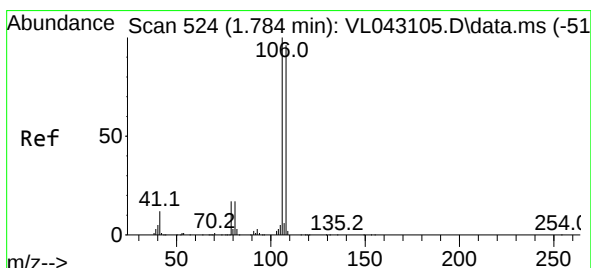
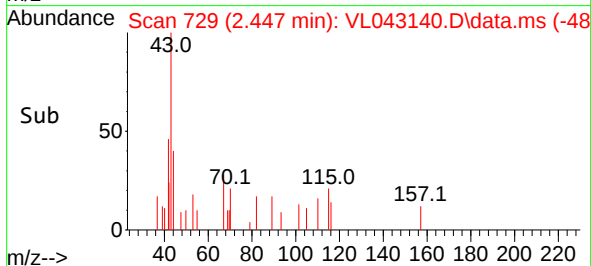
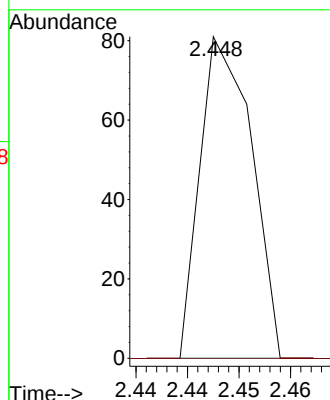
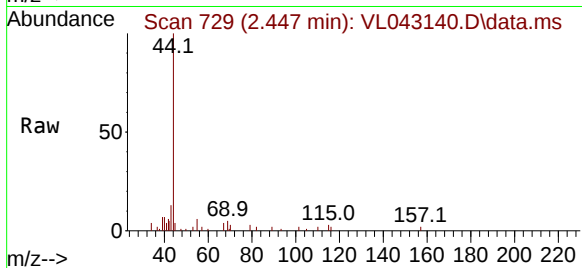
CAN 10595

Tgt Ion:101 Resp: 28

Ion Ratio Lower Upper

101 100

151 107.1 54.7 82.1#



#14

Bromoethene

Concen: 0.005 ppbv

RT: 1.790 min Scan# 526

Delta R.T. 0.007 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

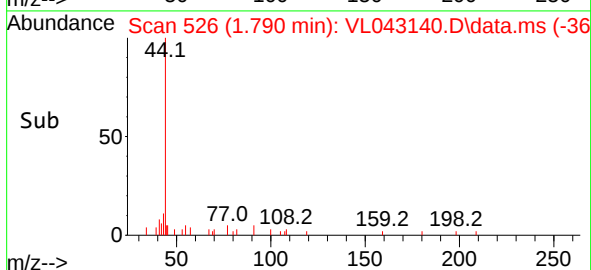
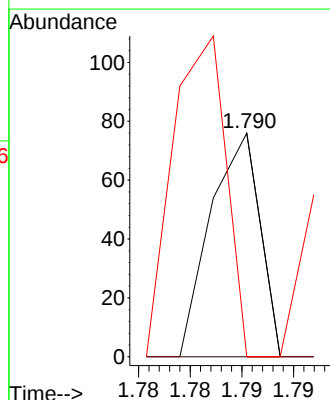
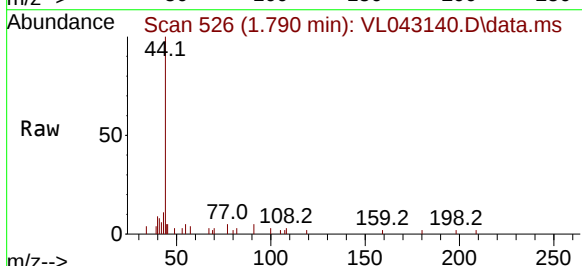
Tgt Ion:108 Resp: 25

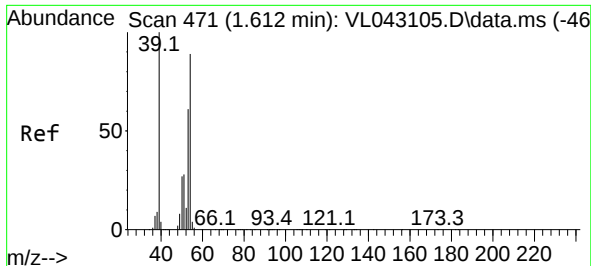
Ion Ratio Lower Upper

108 100

106 0.0 84.4 126.6#

79 532.0 15.3 22.9#

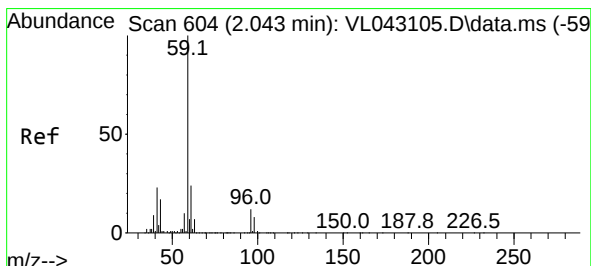
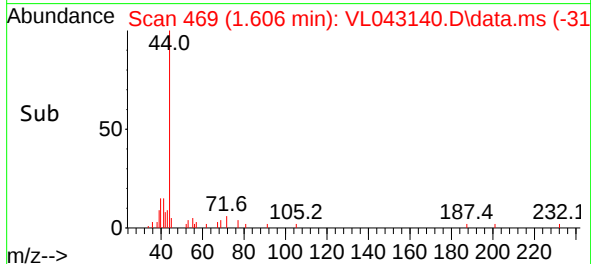
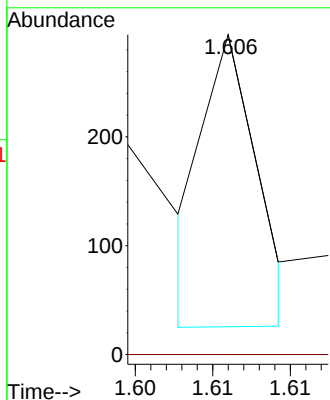
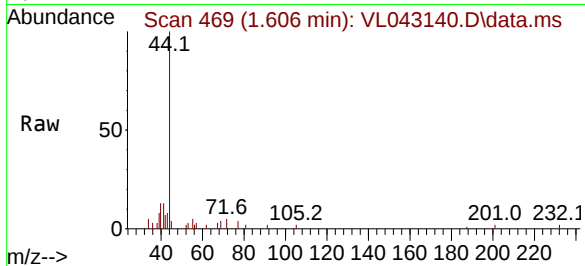




#16
1,3-Butadiene
Concen: 0.008 ppbv
RT: 1.606 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

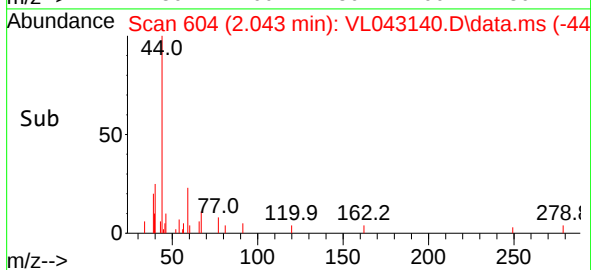
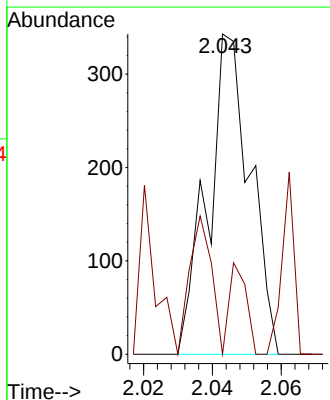
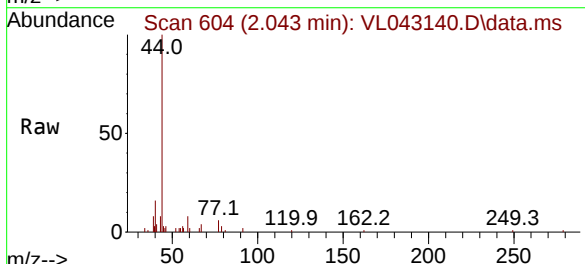
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

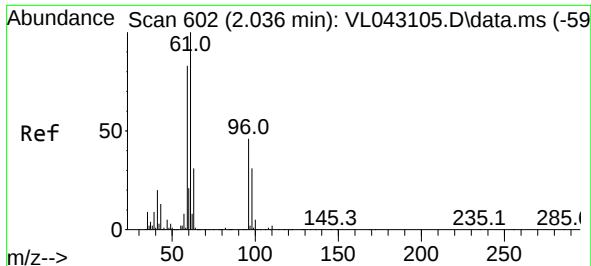
Tgt Ion: 39 Resp: 64
Ion Ratio Lower Upper
39 100
54 0.0 59.0 88.4#



#17
tert-Butyl alcohol
Concen: 0.013 ppbv
RT: 2.043 min Scan# 604
Delta R.T. 0.000 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 59 Resp: 292
Ion Ratio Lower Upper
59 100
57 93.5 8.2 12.4#





#18

1,1-Dichloroethene

Concen: 0.010 ppbv

RT: 2.030 min Scan# 602

Delta R.T. -0.006 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

CAN 10595

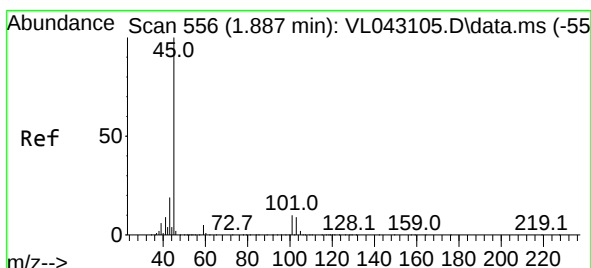
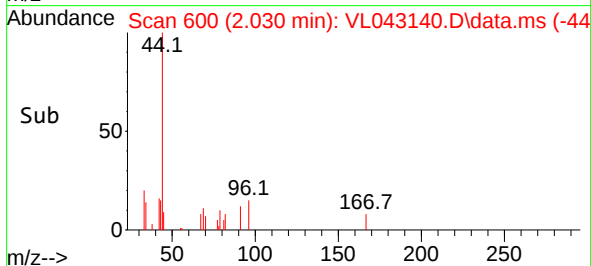
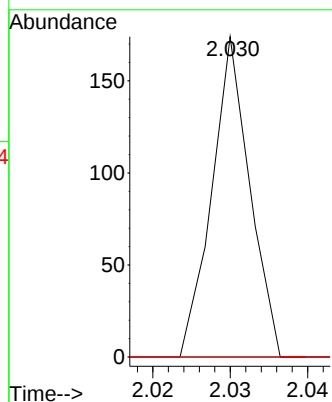
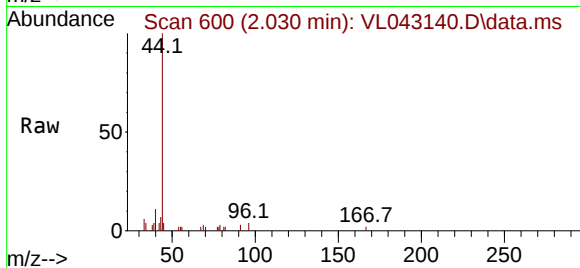
Tgt Ion: 96 Resp: 59

Ion Ratio Lower Upper

96 100

61 0.0 173.4 260.0#

98 0.0 53.2 79.8#



#19

Isopropyl Alcohol

Concen: 0.017 ppbv

RT: 1.845 min Scan# 543

Delta R.T. -0.042 min

Lab File: VL043140.D

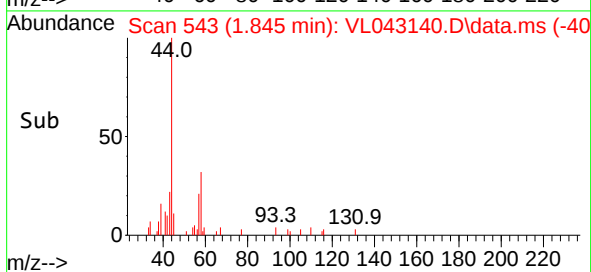
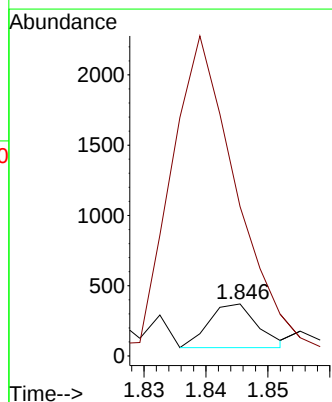
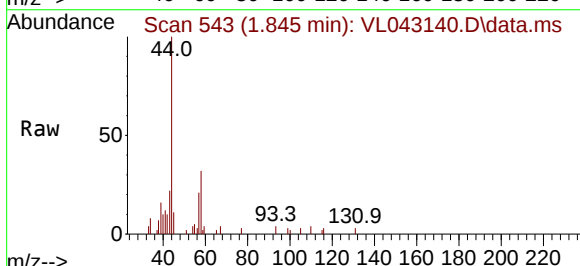
Acq: 03 Nov 2025 10:21

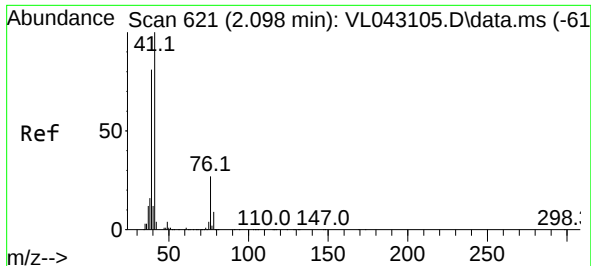
Tgt Ion: 45 Resp: 171

Ion Ratio Lower Upper

45 100

58 1031.6 31.3 46.9#

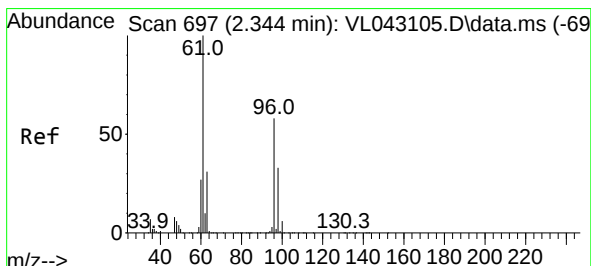
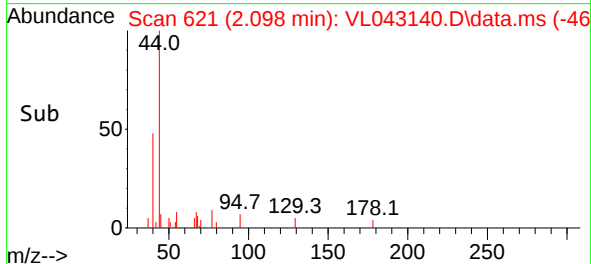
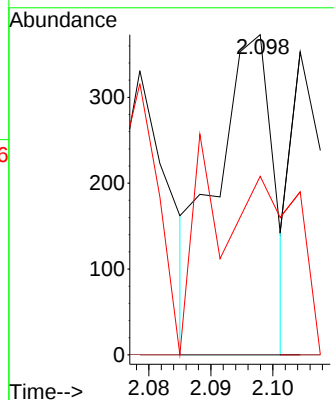
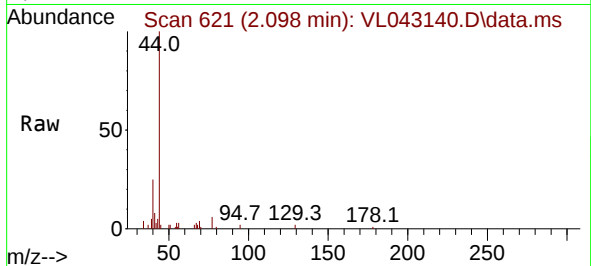




#21
 Allyl Chloride
 Concen: 0.020 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

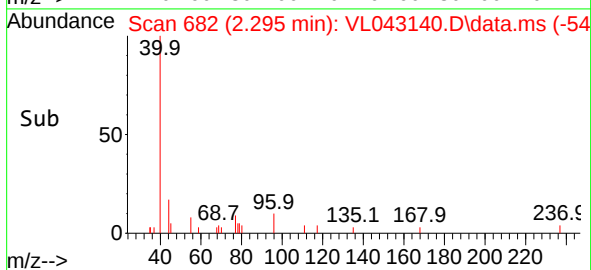
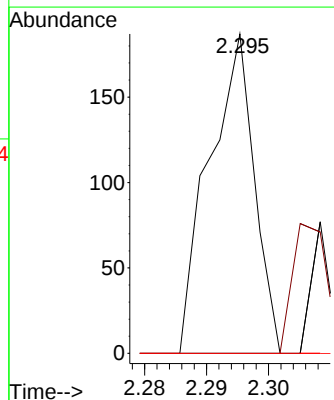
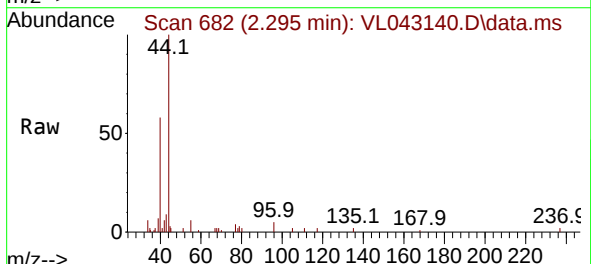
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10595

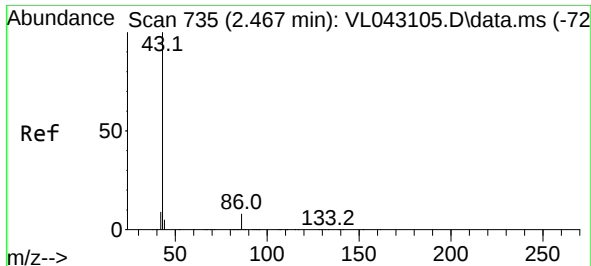
Tgt Ion: 41 Resp: 241
 Ion Ratio Lower Upper
 41 100
 76 0.0 21.5 32.3#
 39 0.0 60.8 91.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.013 ppbv
 RT: 2.295 min Scan# 682
 Delta R.T. -0.048 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

Tgt Ion: 96 Resp: 95
 Ion Ratio Lower Upper
 96 100
 61 0.0 137.0 205.6#
 98 0.0 45.5 68.3#

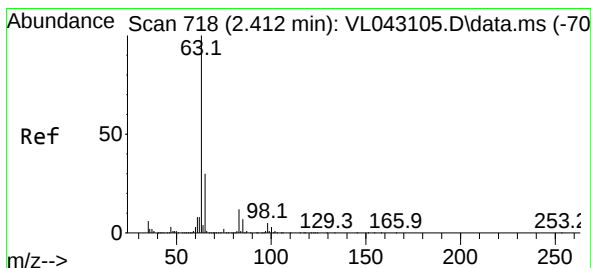
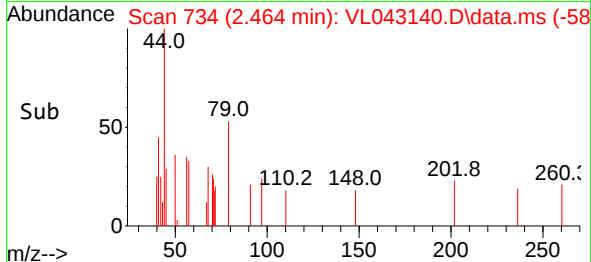
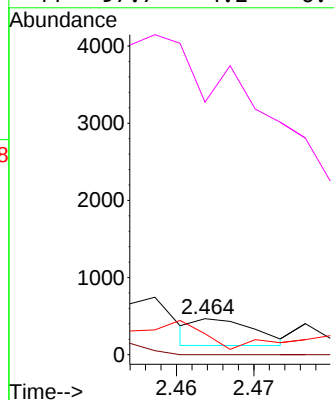
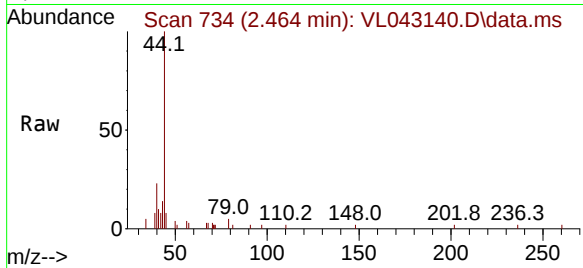




#23
 Vinyl Acetate
 Concen: 0.008 ppbv
 RT: 2.464 min Scan# 712
 Delta R.T. -0.003 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

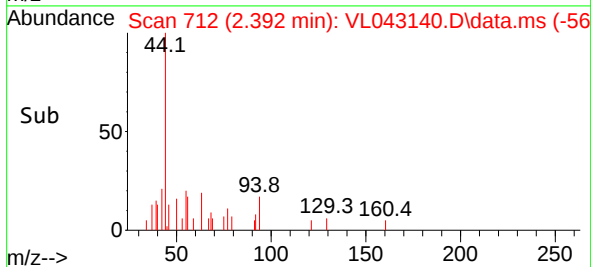
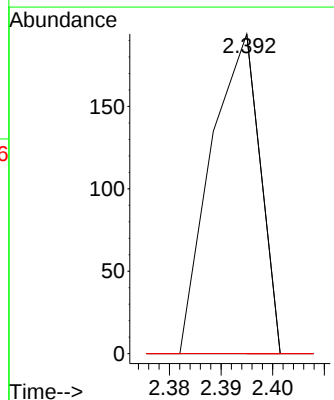
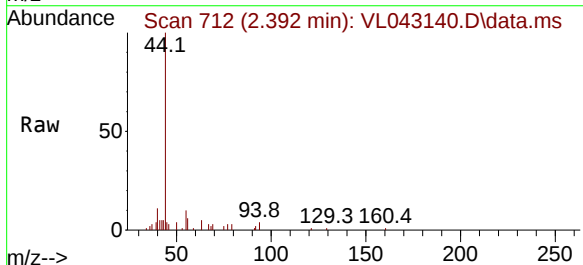
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10595

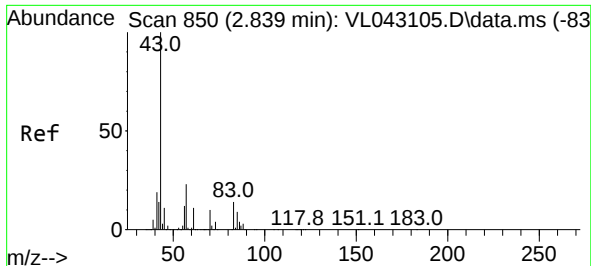
Tgt Ion: 43	Resp:	186	
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	44.3	7.6	11.4#
44	97.7	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.005 ppbv
 RT: 2.392 min Scan# 712
 Delta R.T. -0.019 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

Tgt Ion: 63	Resp:	64	
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.6	7.8#
100	0.0	1.5	4.4#

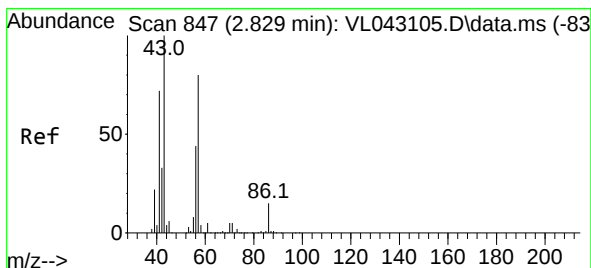
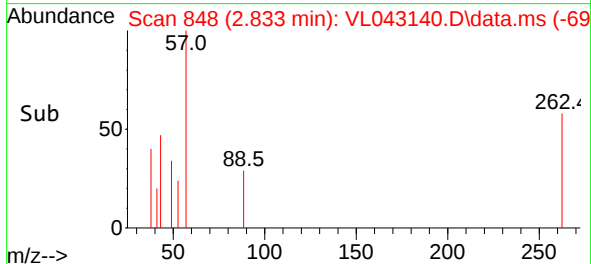
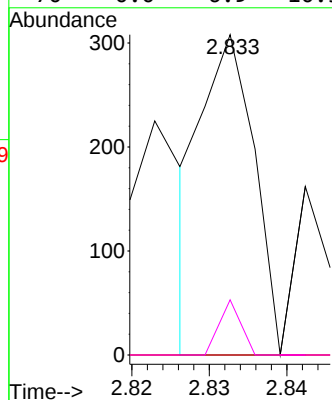
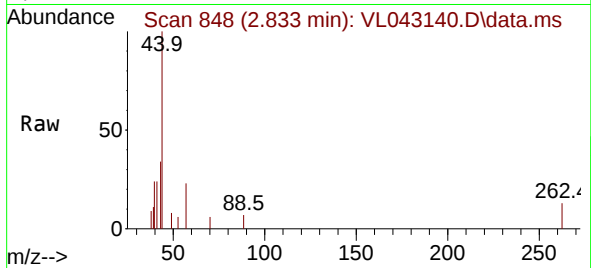




#25
Ethyl Acetate
Concen: 0.004 ppbv
RT: 2.833 min Scan# 84
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

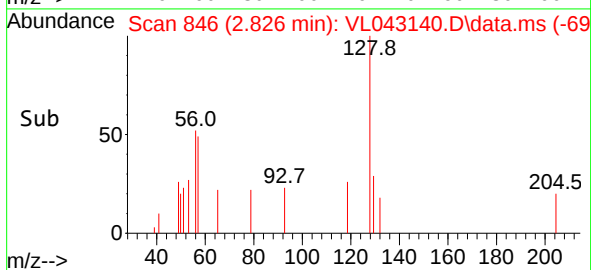
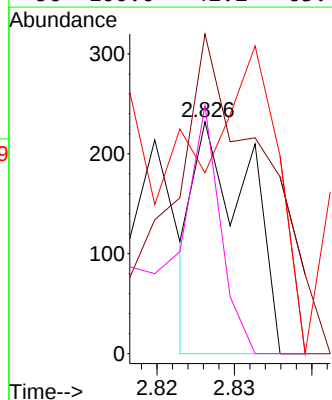
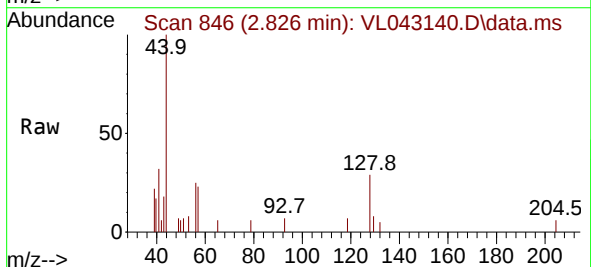
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

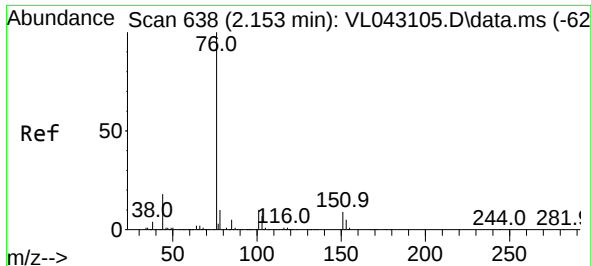
Tgt Ion:	43	Resp:	145
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	0.0	7.0	10.6#
70	0.0	6.9	10.3#



#26
Hexane
Concen: 0.006 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion:	57	Resp:	111
Ion	Ratio	Lower	Upper
57	100		
41	436.0	71.4	107.0#
43	444.1	178.5	267.7#
56	100.0	42.2	63.4#

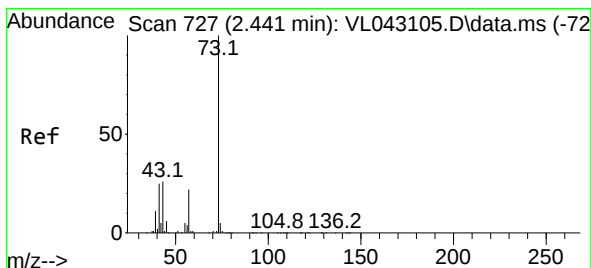
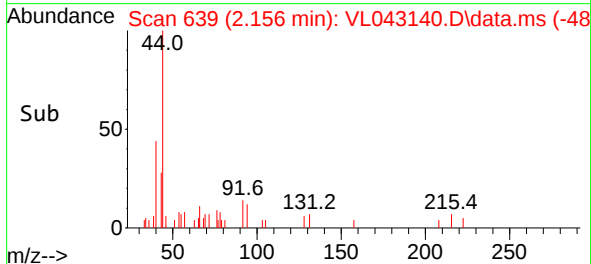
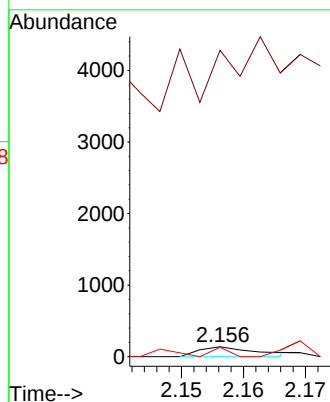
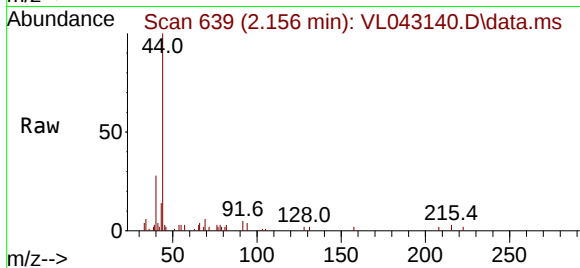




#27
Carbon Disulfide
Concen: 0.005 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

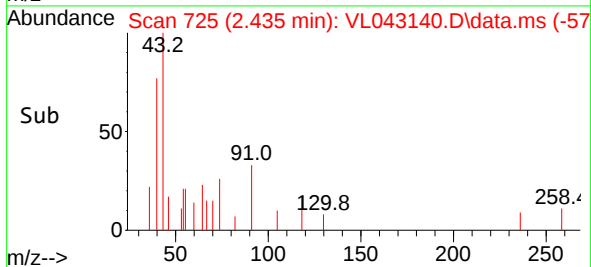
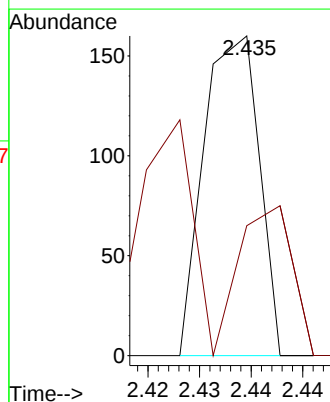
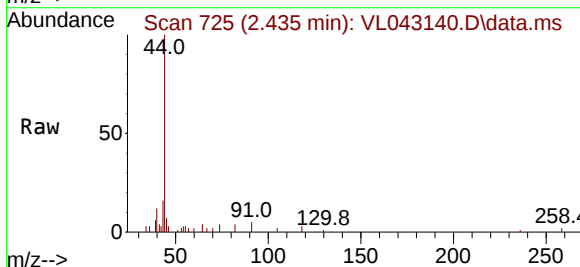
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

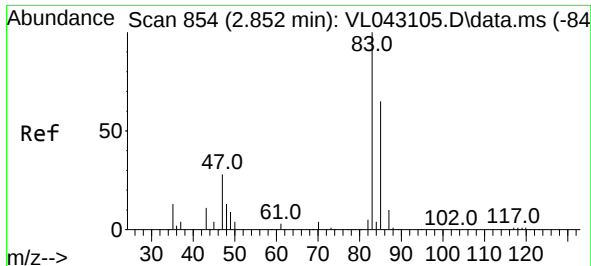
Tgt Ion: 76 Resp: 88
Ion Ratio Lower Upper
76 100
44 3869.3 16.7 25.1#
78 348.9 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.007 ppbv
RT: 2.435 min Scan# 725
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 73 Resp: 59
Ion Ratio Lower Upper
73 100
57 96.6 20.5 30.7#





#29

Chloroform

Concen: 0.002 ppbv

RT: 2.846 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

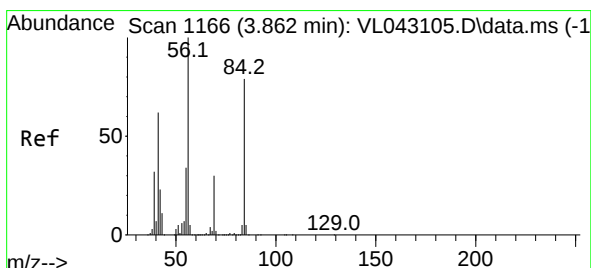
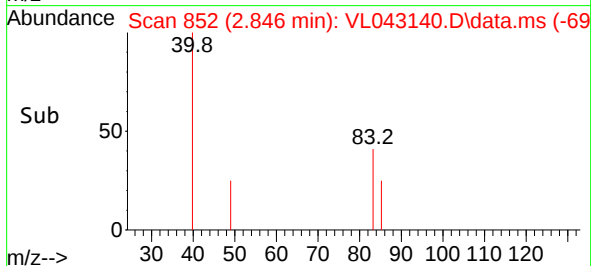
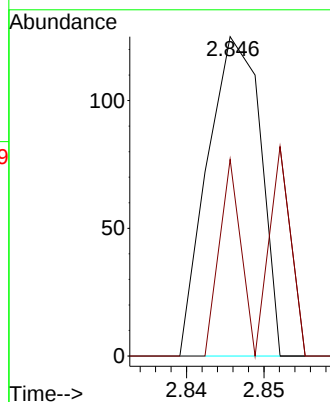
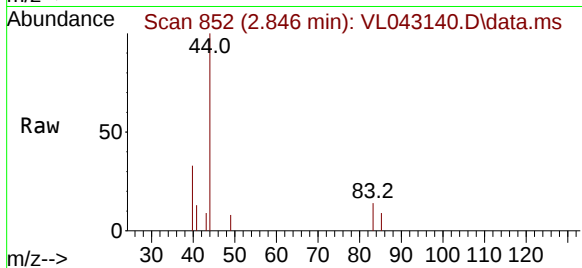
CAN 10595

Tgt Ion: 83 Resp: 60

Ion Ratio Lower Upper

83 100

85 61.6 51.8 77.6



#30

Cyclohexane

Concen: 0.003 ppbv

RT: 3.836 min Scan# 1158

Delta R.T. -0.026 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

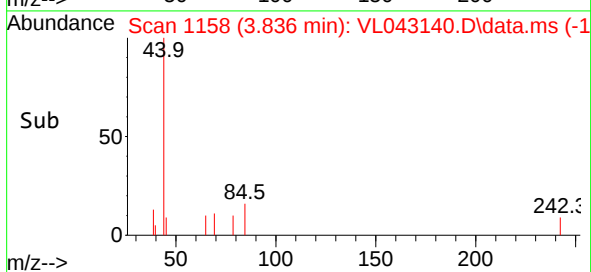
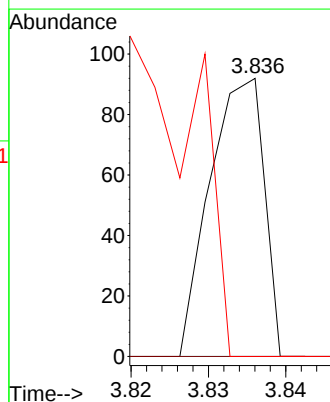
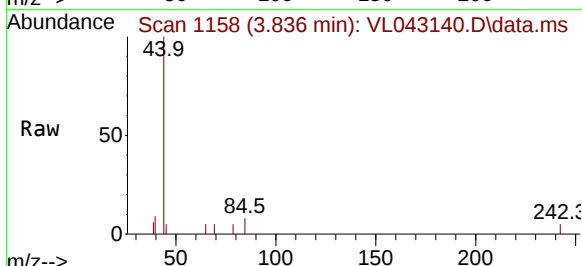
Tgt Ion: 84 Resp: 45

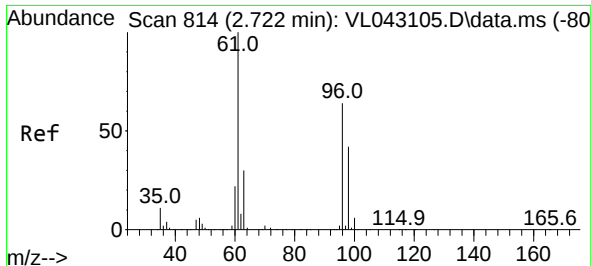
Ion Ratio Lower Upper

84 100

56 0.0 100.9 151.3#

41 153.3 63.8 95.6#

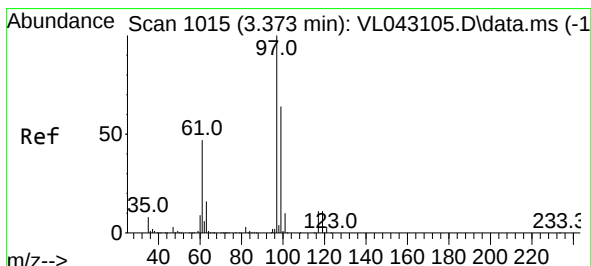
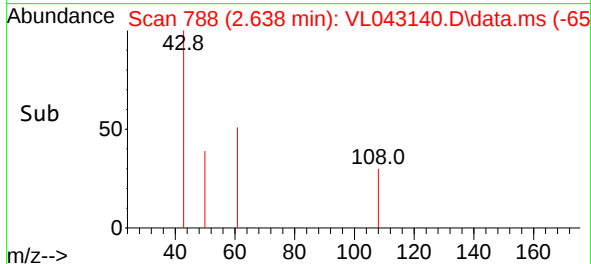
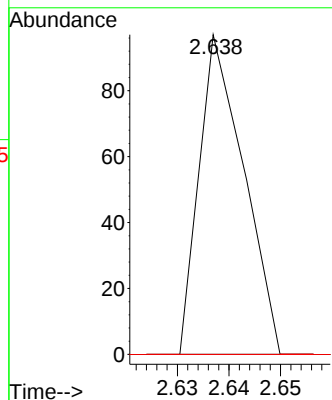
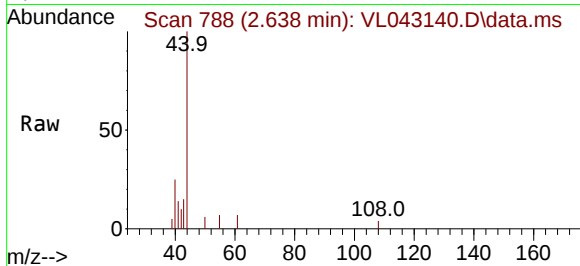




#31
 cis-1,2-Dichloroethene
 Concen: 0.002 ppbv
 RT: 2.638 min Scan# 71
 Delta R.T. -0.084 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

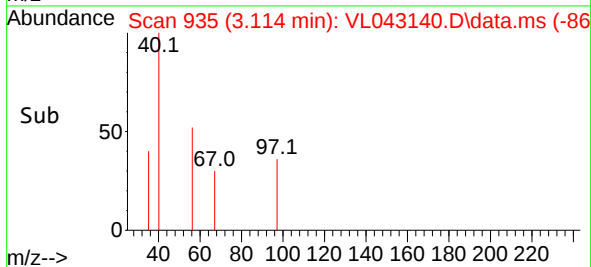
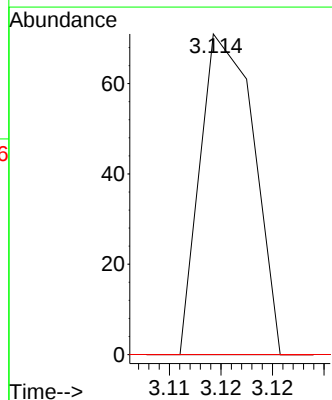
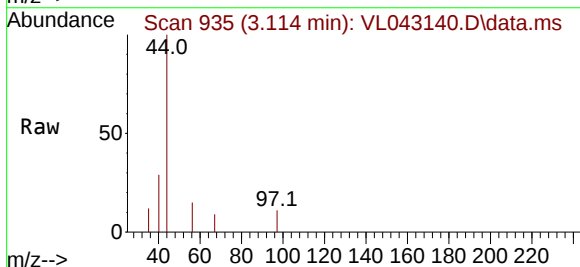
Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10595

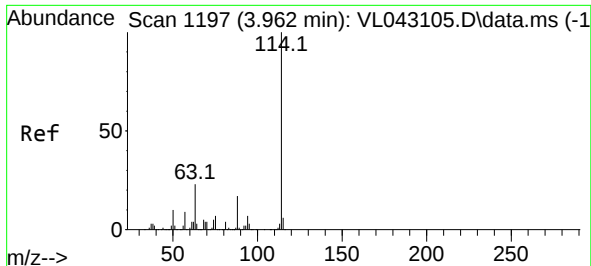
Tgt Ion: 61 Resp: 29
 Ion Ratio Lower Upper
 61 100
 96 0.0 51.0 76.6#
 98 0.0 33.5 50.3#



#32
 1,1,1-Trichloroethane
 Concen: 0.001 ppbv
 RT: 3.114 min Scan# 935
 Delta R.T. -0.259 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

Tgt Ion: 97 Resp: 26
 Ion Ratio Lower Upper
 97 100
 99 0.0 51.3 76.9#
 61 100.0 38.4 57.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.006 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

CAN 10595

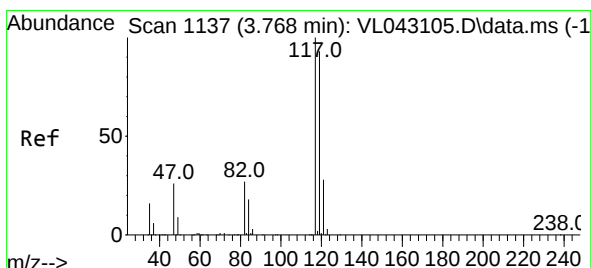
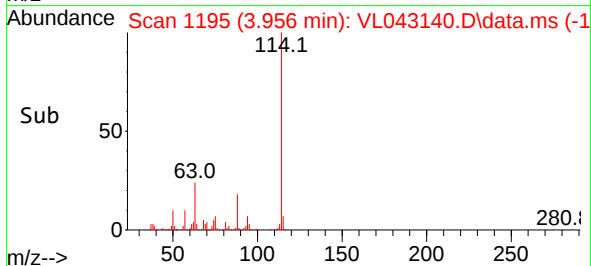
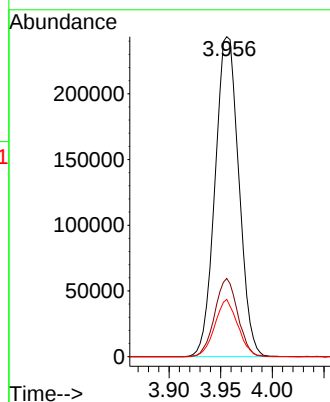
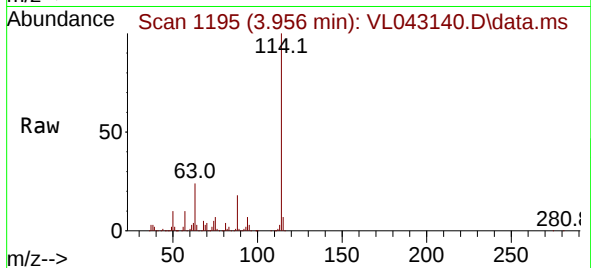
Tgt Ion:114 Resp: 390173

Ion Ratio Lower Upper

114 100

63 23.7 19.3 28.9

88 17.3 13.9 20.9



#35

Carbon Tetrachloride

Concen: 0.001 ppbv

RT: 4.121 min Scan# 1246

Delta R.T. 0.353 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

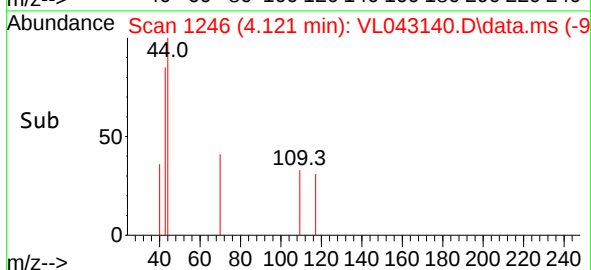
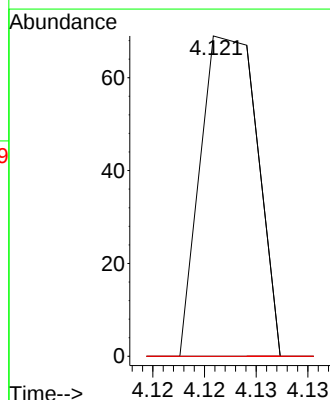
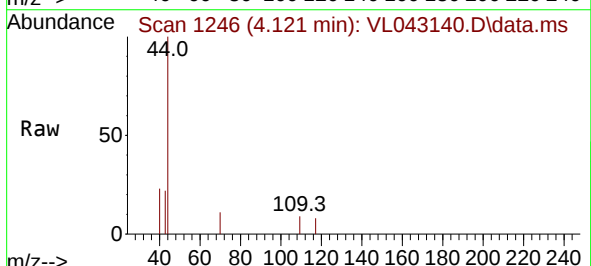
Tgt Ion:117 Resp: 26

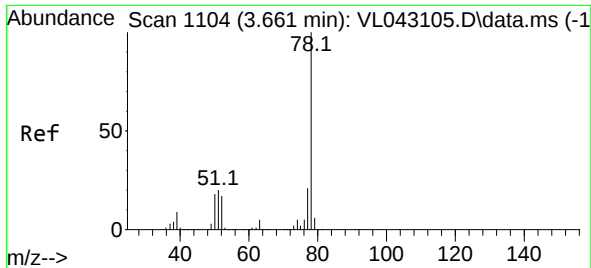
Ion Ratio Lower Upper

117 100

119 0.0 74.1 111.1#

121 0.0 22.2 33.2#

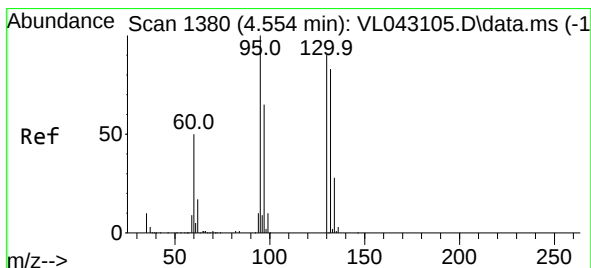
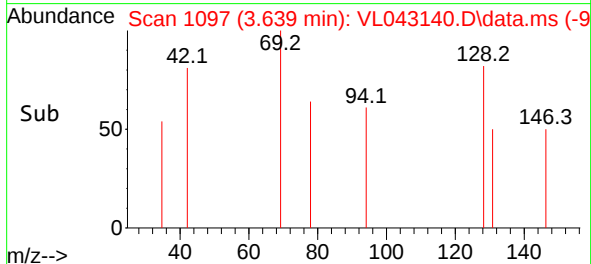
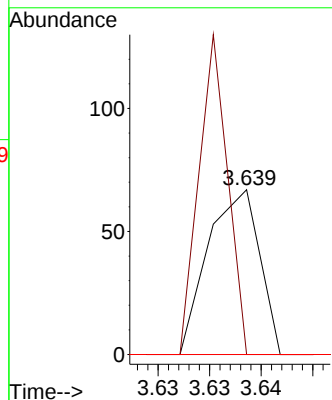
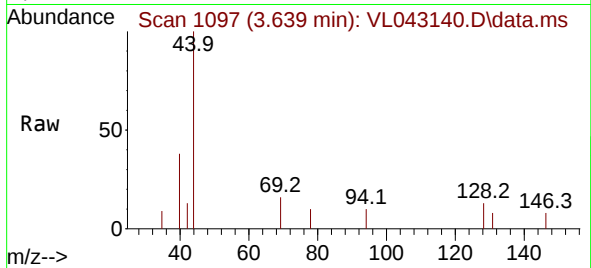




#36
Benzene
Concen: 0.001 ppbv
RT: 3.639 min Scan# 1104
Delta R.T. -0.022 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

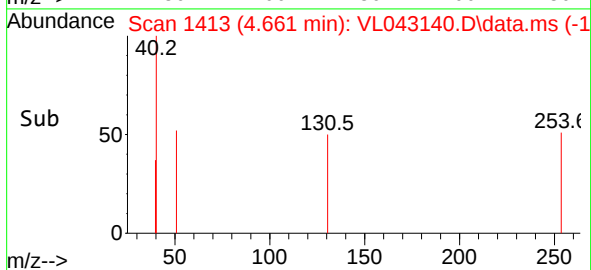
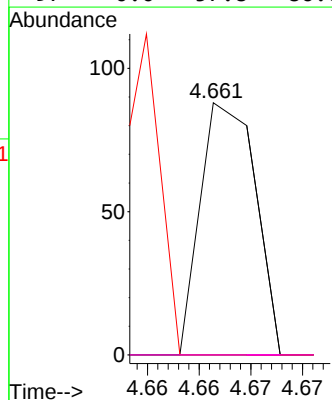
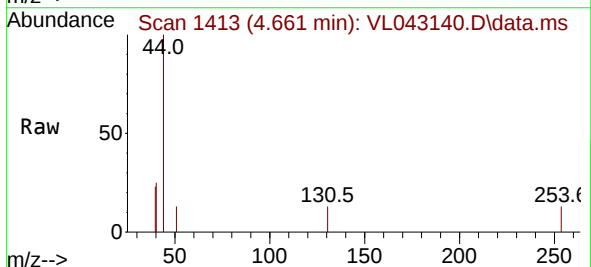
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

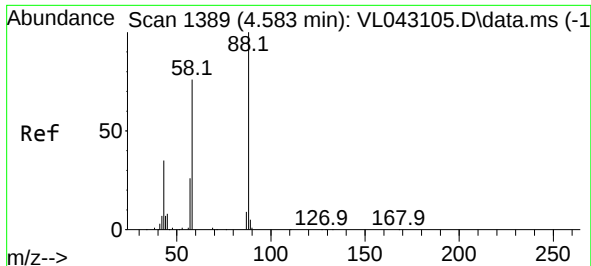
Tgt Ion: 78 Resp: 23
Ion Ratio Lower Upper
78 100
77 0.0 17.0 25.6#
50 0.0 14.6 22.0#



#38
Trichloroethene
Concen: 0.002 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. 0.107 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

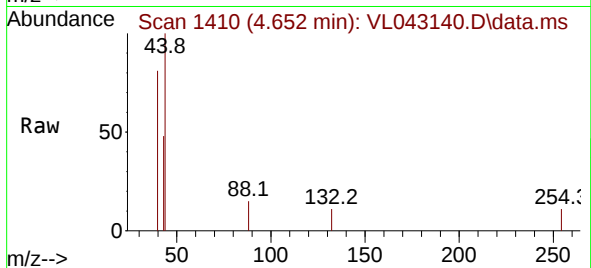
Tgt Ion:130 Resp: 33
Ion Ratio Lower Upper
130 100
95 0.0 88.6 133.0#
132 0.0 73.4 110.0#
97 0.0 57.8 86.6#



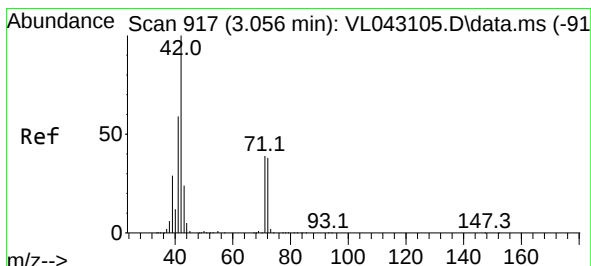
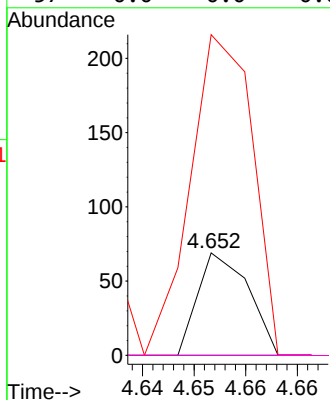
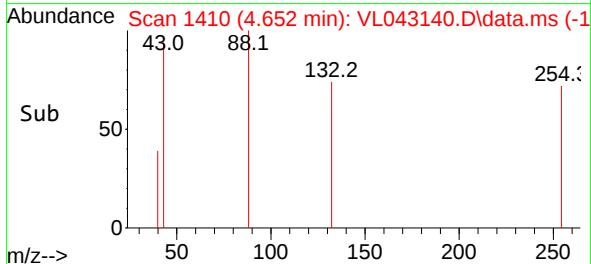


#40
1,4-Dioxane
Concen: 0.004 ppbv
RT: 4.652 min Scan# 1410
Delta R.T. 0.068 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

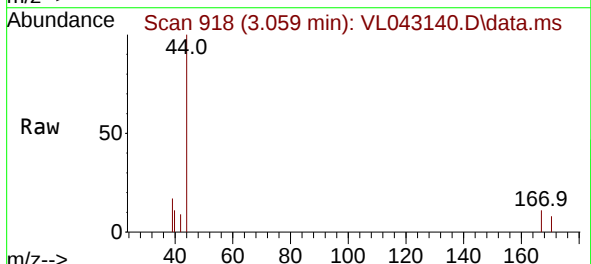
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595



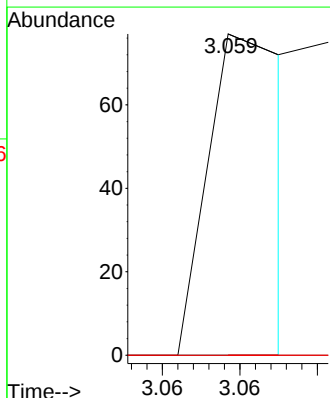
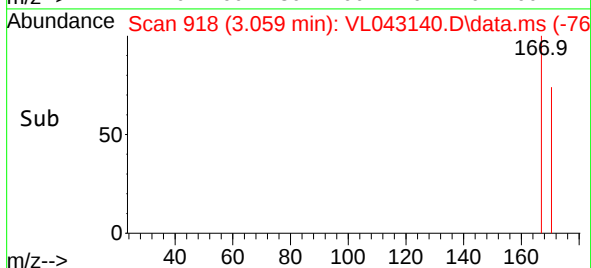
Tgt Ion:	88	Resp:	24
Ion	Ratio	Lower	Upper
88	100		
58	0.0	61.1	91.7#
43	554.2	24.0	36.0#
57	0.0	0.0	0.0

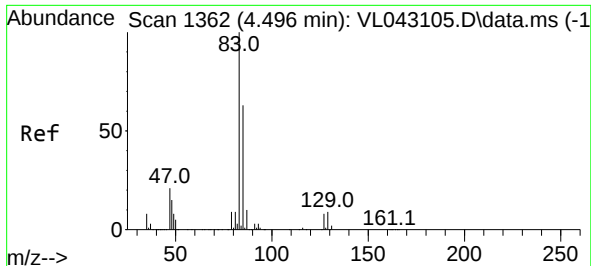


#41
Tetrahydrofuran
Concen: 0.002 ppbv
RT: 3.059 min Scan# 918
Delta R.T. 0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21



Tgt Ion:	42	Resp:	29
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.3	46.9#
71	0.0	30.4	45.6#





#42

Bromodichloromethane

Concen: 0.001 ppbv

RT: 4.564 min Scan# 11

Delta R.T. 0.068 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

CAN 10595

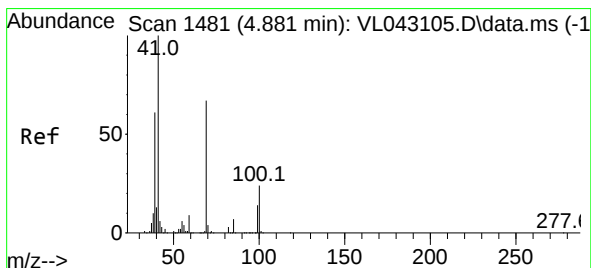
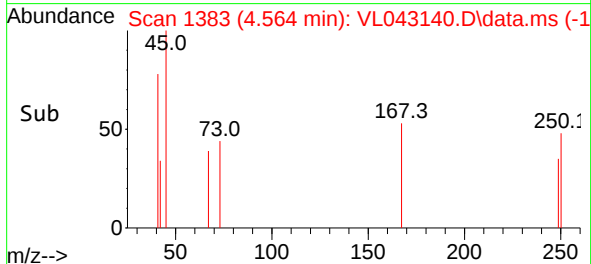
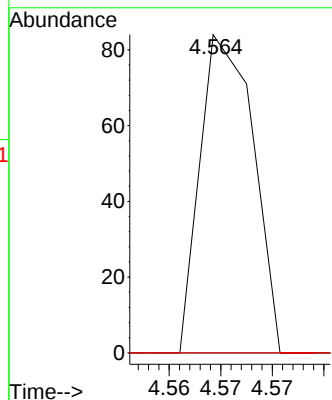
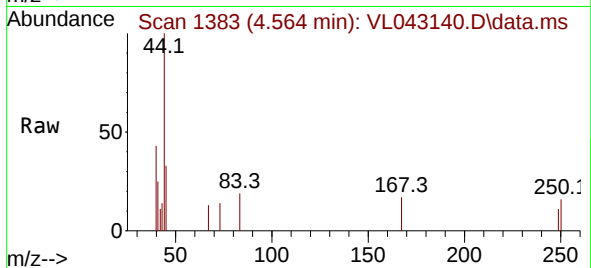
Tgt Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

85 0.0 50.6 75.8#

127 0.0 6.3 9.5#



#43

Methyl Methacrylate

Concen: 0.001 ppbv

RT: 4.856 min Scan# 1473

Delta R.T. -0.026 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

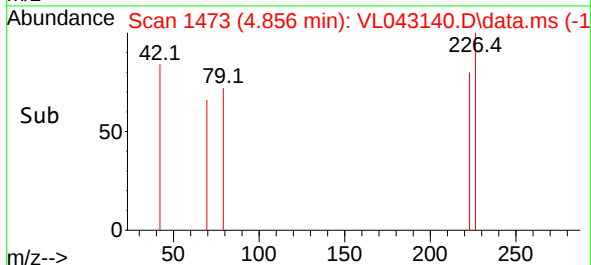
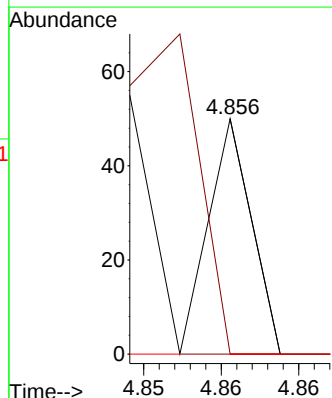
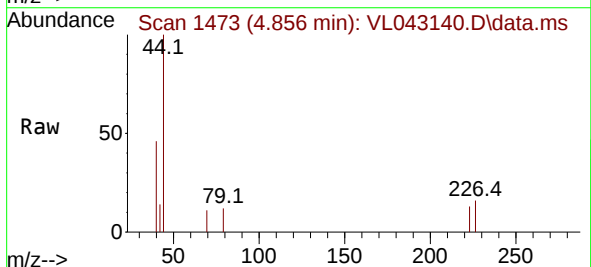
Tgt Ion: 69 Resp: 10

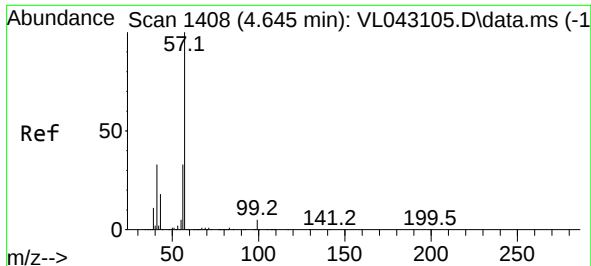
Ion Ratio Lower Upper

69 100

41 0.0 120.5 180.7#

100 0.0 29.0 43.4#

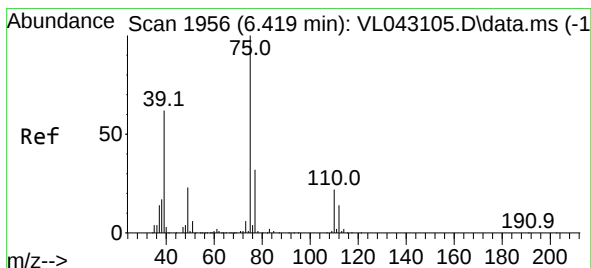
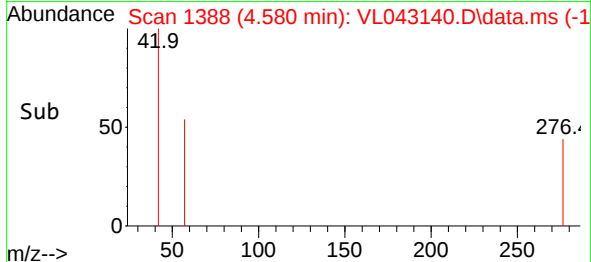
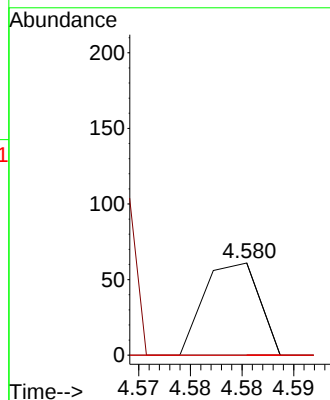
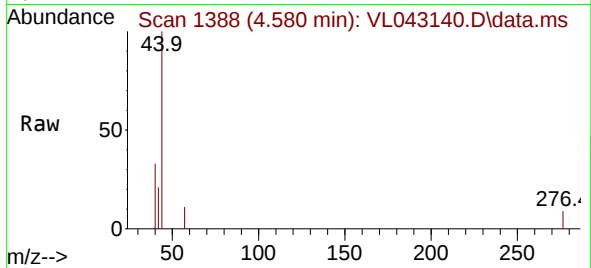




#44
2,2,4-Trimethylpentane
Concen: 0.000 ppbv
RT: 4.580 min Scan# 11
Delta R.T. -0.065 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

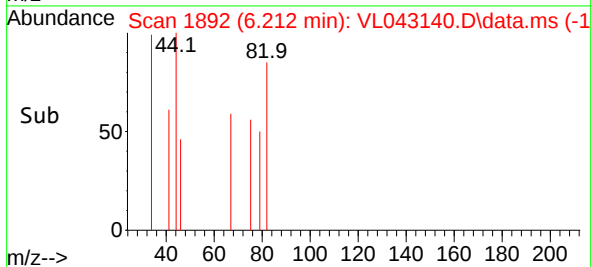
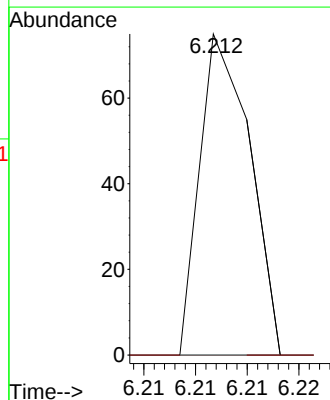
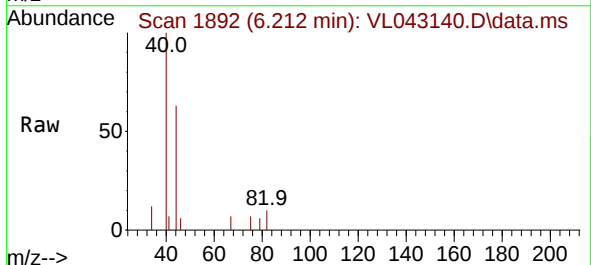
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

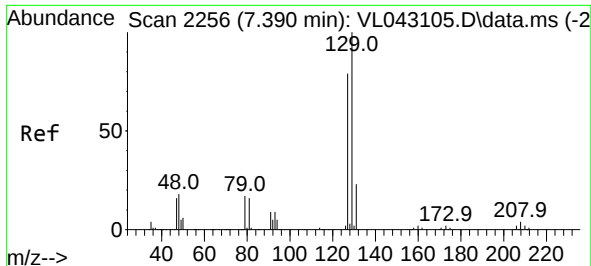
Tgt Ion: 57 Resp: 23
Ion Ratio Lower Upper
57 100
41 708.7 26.3 39.5#
56 204.3 25.9 38.9#



#45
t-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 6.212 min Scan# 1892
Delta R.T. -0.207 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#





#48

Dibromochloromethane

Concen: 0.001 ppbv

RT: 7.639 min Scan# 21

Delta R.T. 0.249 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

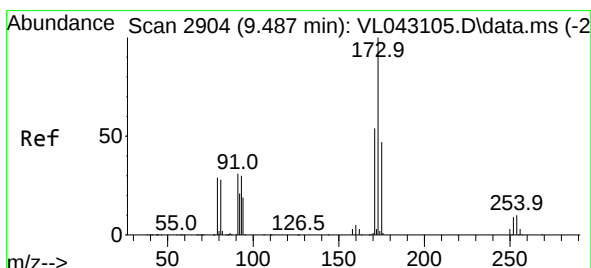
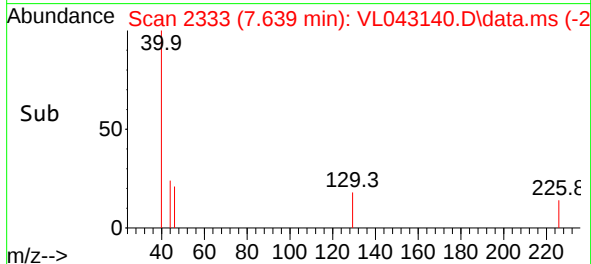
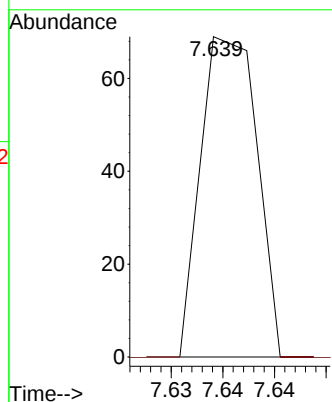
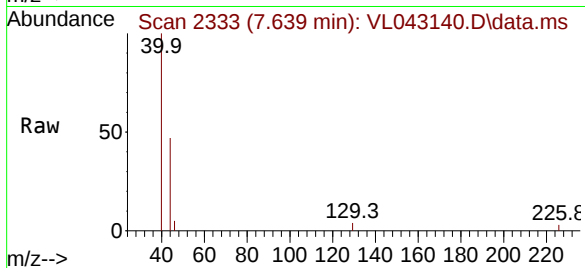
CAN 10595

Tgt Ion:129 Resp: 26

Ion Ratio Lower Upper

129 100

127 0.0 39.3 117.9#



#49

Bromoform

Concen: 0.001 ppbv

RT: 9.468 min Scan# 2898

Delta R.T. -0.019 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

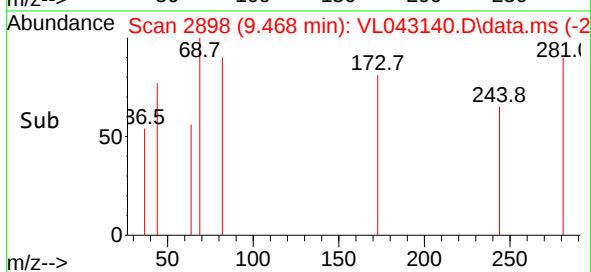
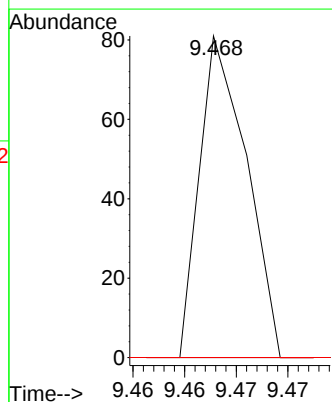
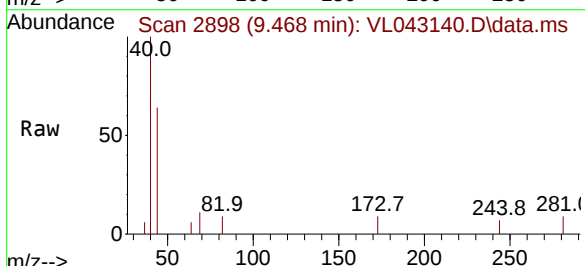
Tgt Ion:173 Resp: 26

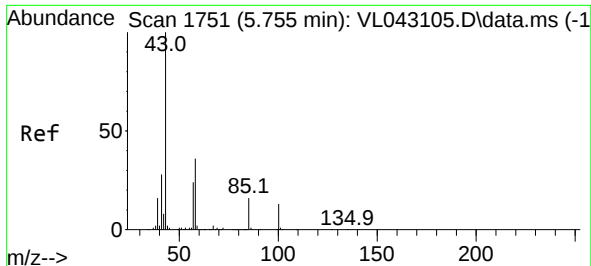
Ion Ratio Lower Upper

173 100

175 0.0 38.8 58.2#

171 92.3 41.7 62.5#





#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 5.762 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

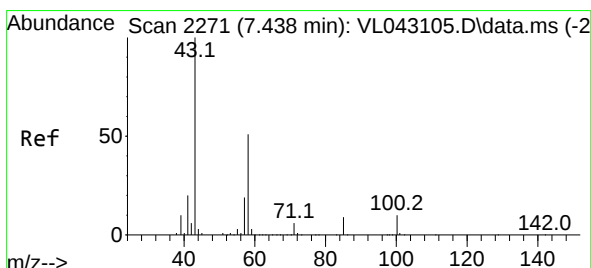
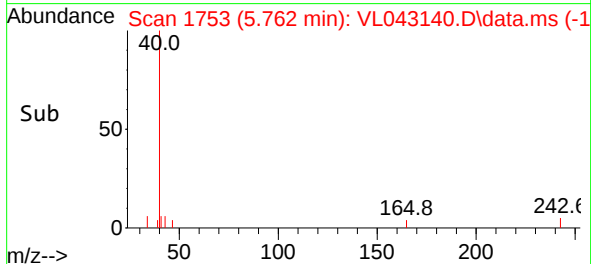
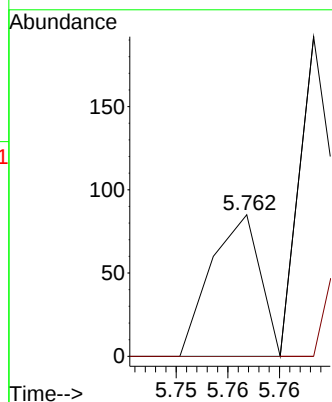
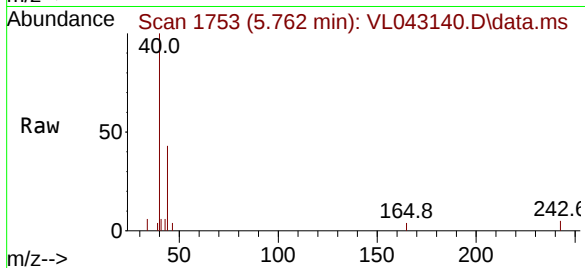
CAN 10595

Tgt Ion: 43 Resp: 28

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#



#51

2-Hexanone

Concen: 0.002 ppbv

RT: 7.403 min Scan# 2260

Delta R.T. -0.035 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

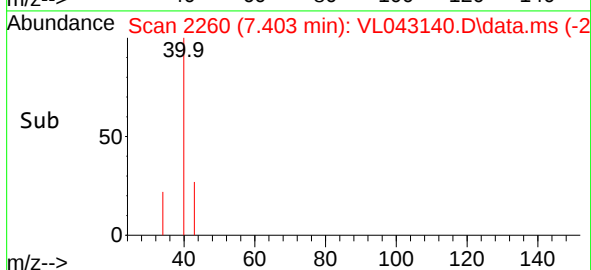
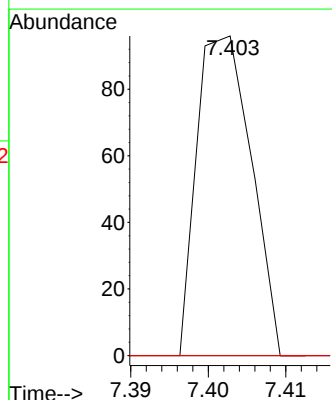
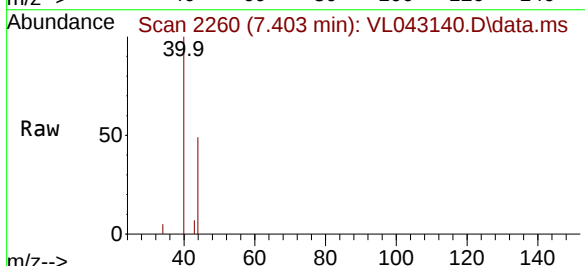
Tgt Ion: 43 Resp: 47

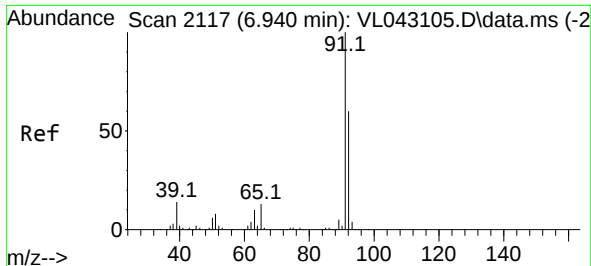
Ion Ratio Lower Upper

43 100

58 0.0 40.4 60.6#

98 0.0 0.1 0.1#

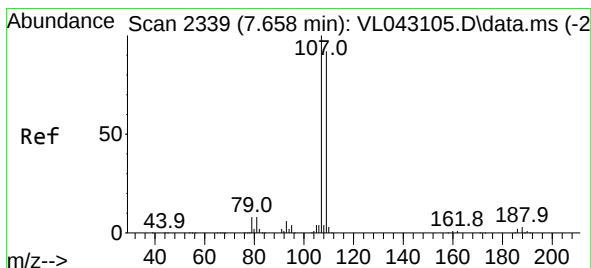
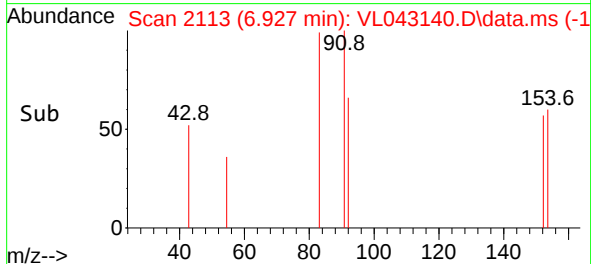
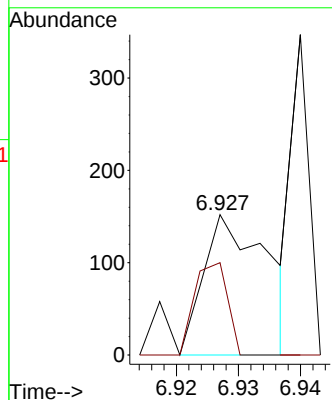
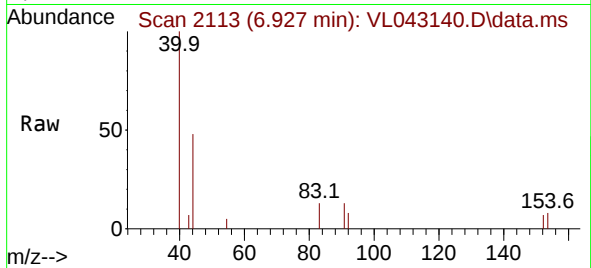




#53
Toluene
Concen: 0.002 ppbv
RT: 6.927 min Scan# 2117
Delta R.T. -0.013 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

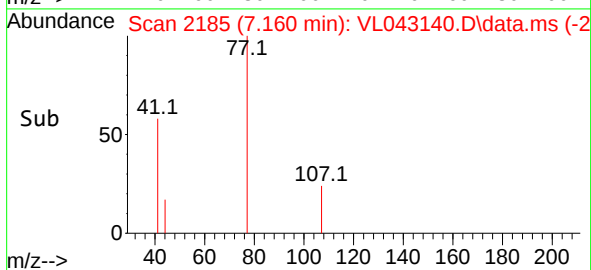
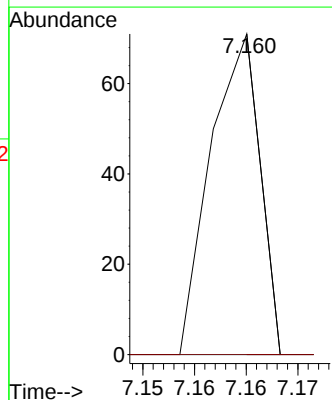
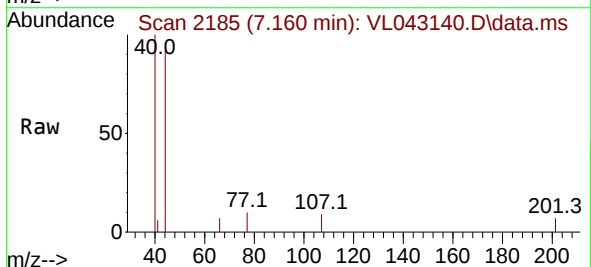
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

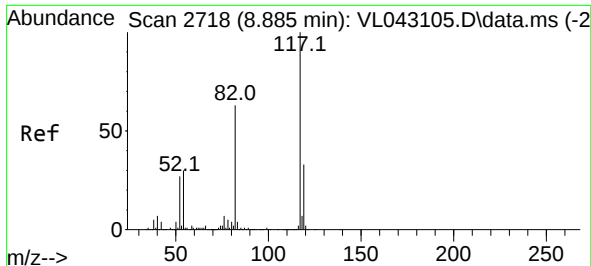
Tgt Ion: 91 Resp: 108
Ion Ratio Lower Upper
91 100
92 34.3 48.8 73.2#



#54
1,2-Dibromoethane
Concen: 0.001 ppbv
RT: 7.160 min Scan# 2185
Delta R.T. -0.498 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 107 Resp: 23
Ion Ratio Lower Upper
107 100
109 0.0 73.4 110.2#

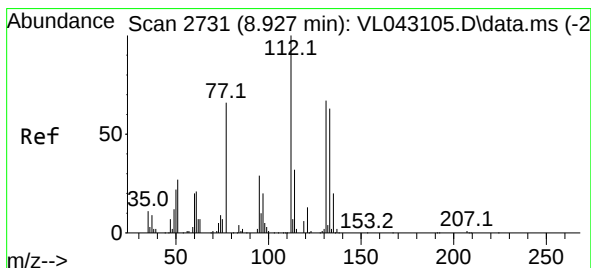
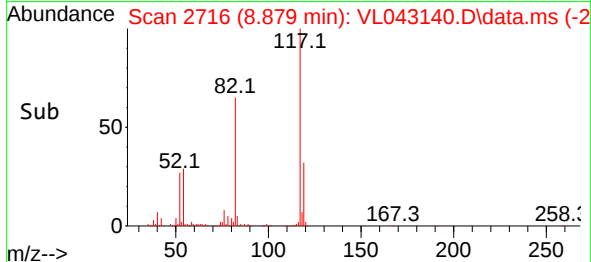
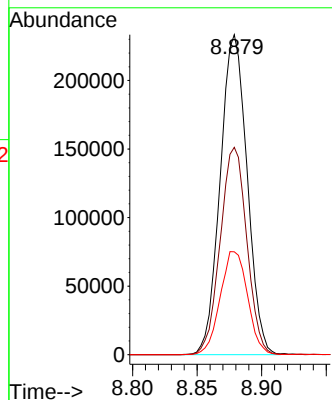
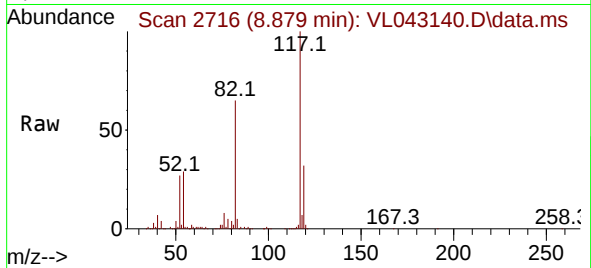




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

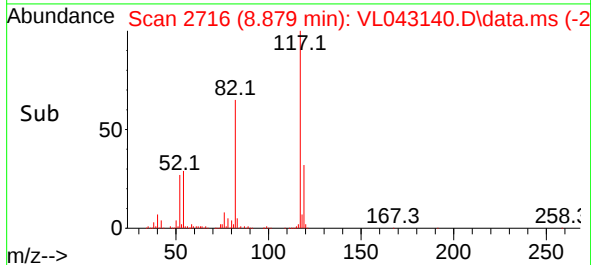
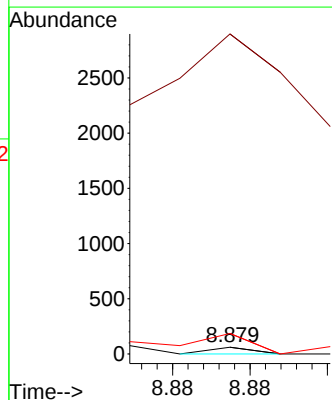
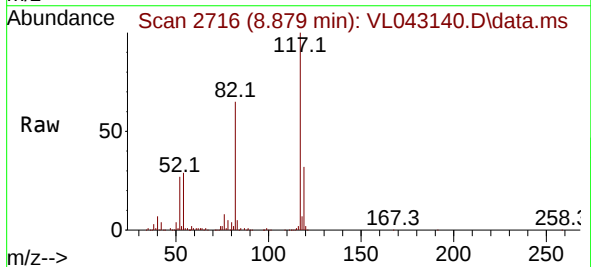
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

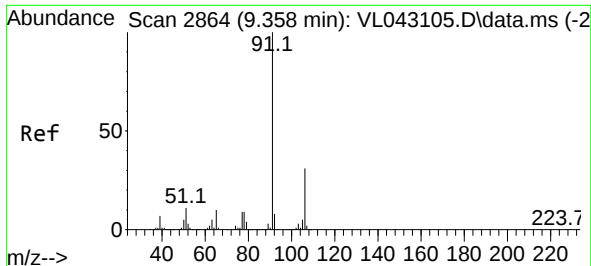
Tgt Ion:117 Resp: 338133
Ion Ratio Lower Upper
117 100
82 64.1 53.8 80.8
119 32.9 25.4 38.0



#57
Chlorobenzene
Concen: 0.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. -0.048 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion:112 Resp: 12
Ion Ratio Lower Upper
112 100
77 657.4 53.3 79.9#
114 304.9 29.3 35.8#





#58

Ethyl Benzene

Concen: 0.001 ppbv

RT: 9.361 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

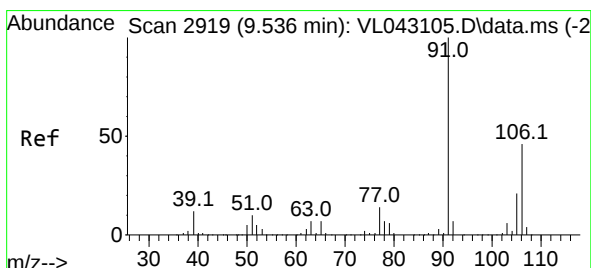
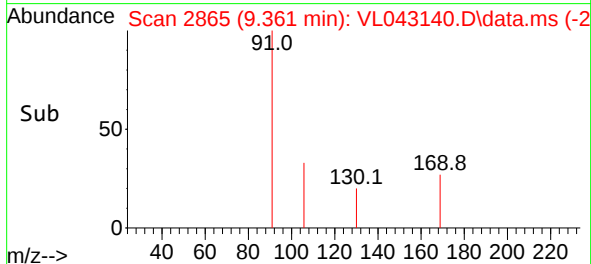
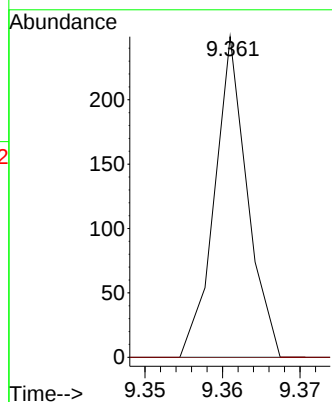
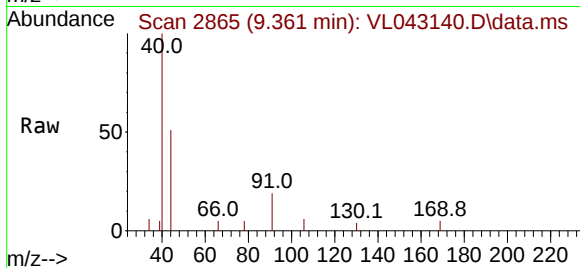
CAN 10595

Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

91 100

106 0.0 24.8 37.2#



#59

m/p-Xylene

Concen: 0.001 ppbv

RT: 9.533 min Scan# 2918

Delta R.T. -0.003 min

Lab File: VL043140.D

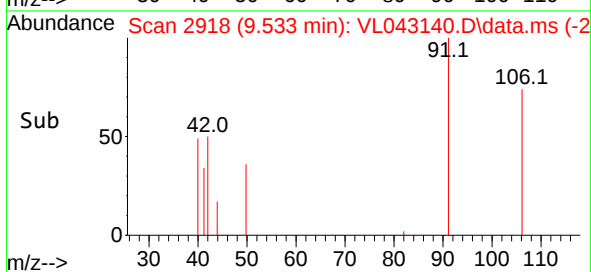
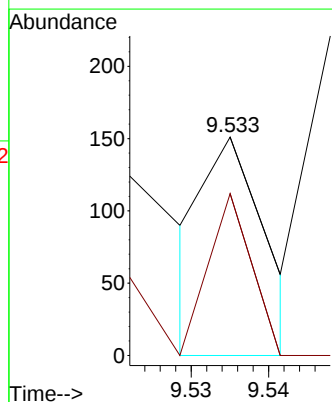
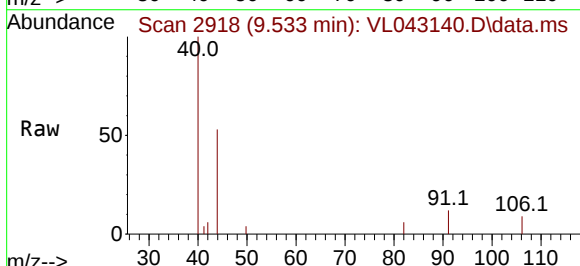
Acq: 03 Nov 2025 10:21

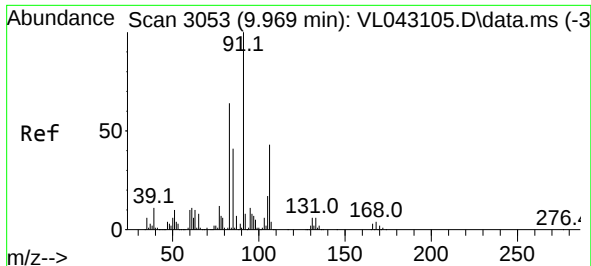
Tgt Ion: 91 Resp: 40

Ion Ratio Lower Upper

91 100

106 80.0 38.0 57.0#

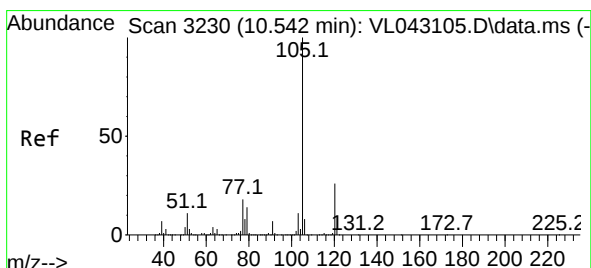
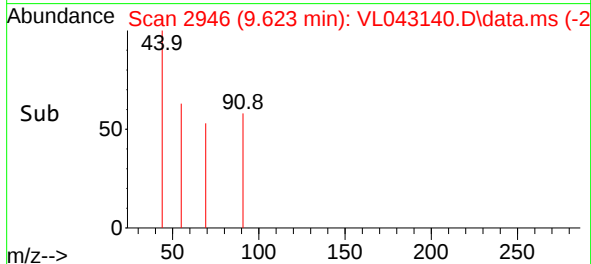
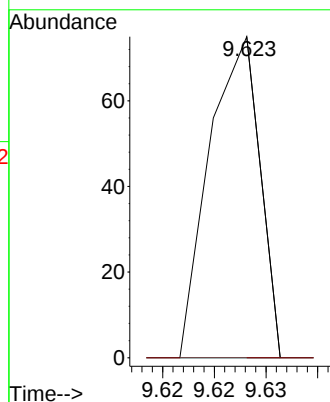
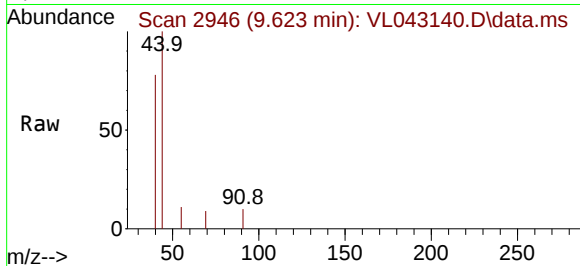




#60
o-Xylene
Concen: 0.001 ppbv
RT: 9.623 min Scan# 2946
Delta R.T. -0.346 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

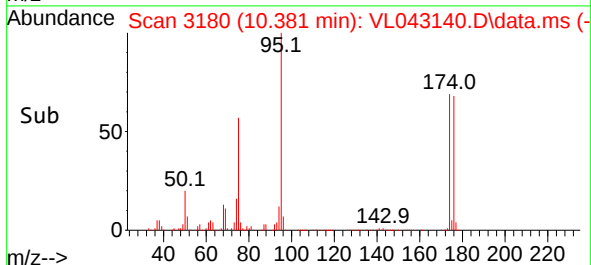
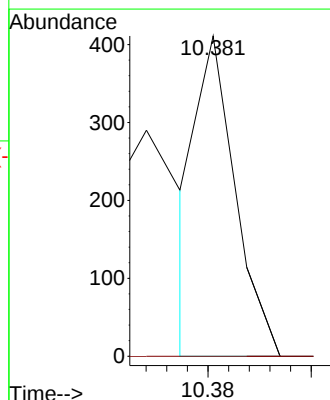
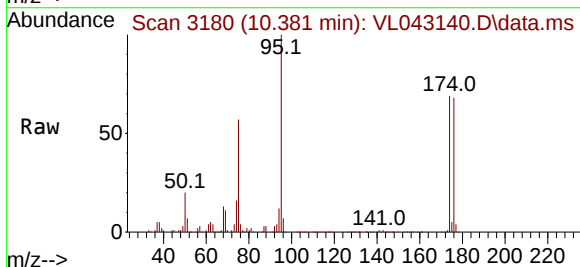
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

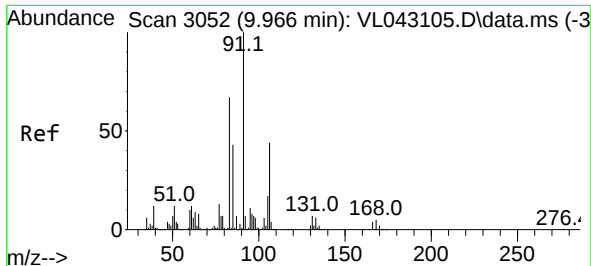
Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.8#



#62
Isopropylbenzene
Concen: 0.001 ppbv
RT: 10.381 min Scan# 3180
Delta R.T. -0.162 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 105 Resp: 102
Ion Ratio Lower Upper
105 100
120 0.0 20.2 30.4#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.001 ppbv

RT: 9.973 min Scan# 3052

Delta R.T. 0.007 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

CAN 10595

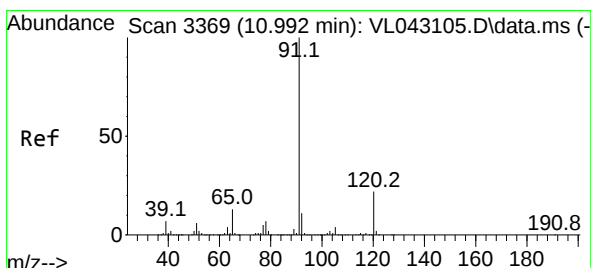
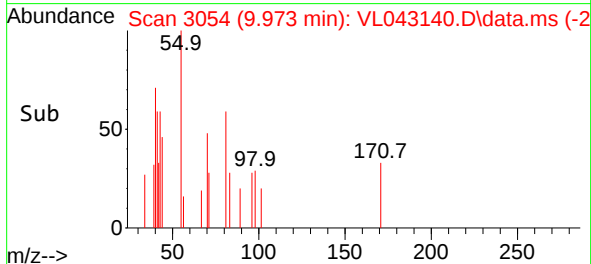
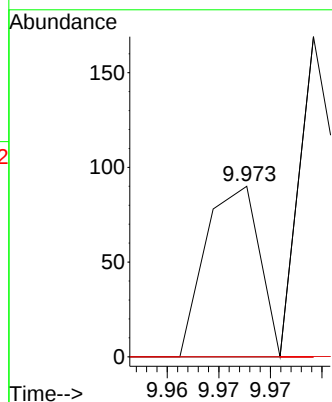
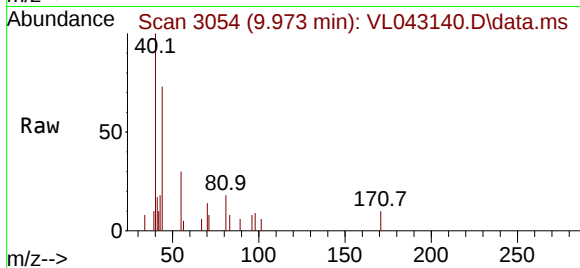
Tgt Ion: 83 Resp: 33

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 0.0 32.0 96.0#



#64

n-propylbenzene

Concen: 0.001 ppbv

RT: 11.118 min Scan# 3408

Delta R.T. 0.126 min

Lab File: VL043140.D

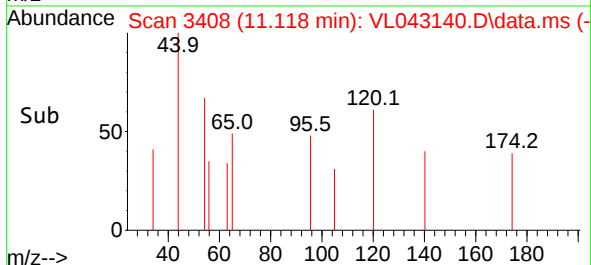
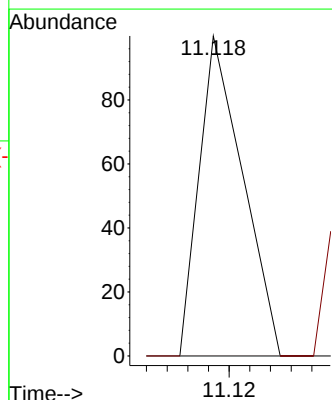
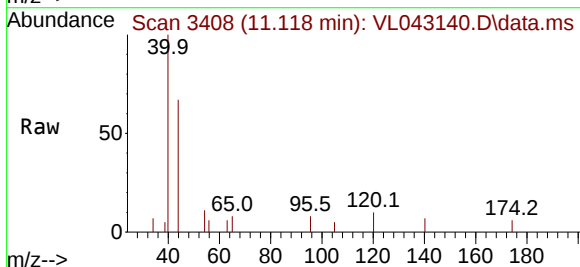
Acq: 03 Nov 2025 10:21

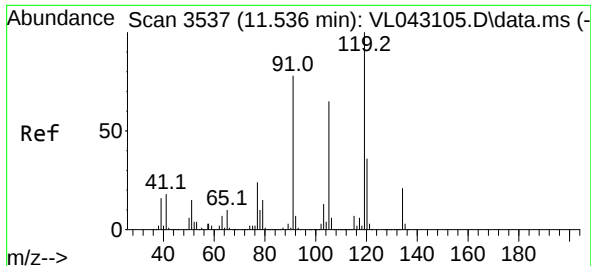
Tgt Ion: 120 Resp: 29

Ion Ratio Lower Upper

120 100

91 210.3 361.6 542.4#

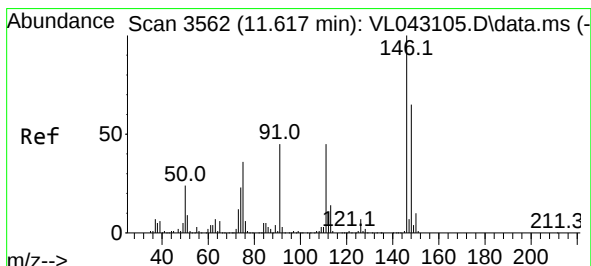
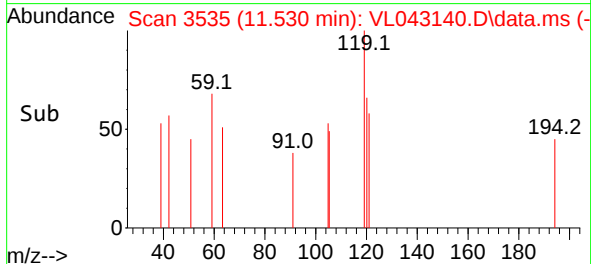
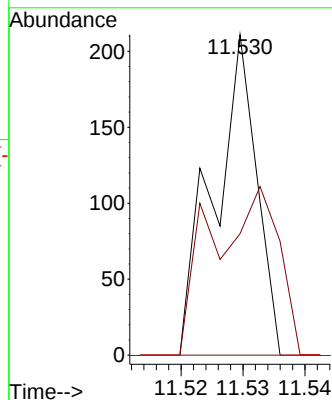
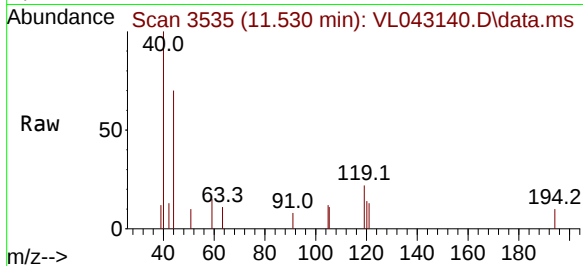




#65
tert-Butylbenzene
Concen: 0.001 ppbv
RT: 11.530 min Scan# 3535
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

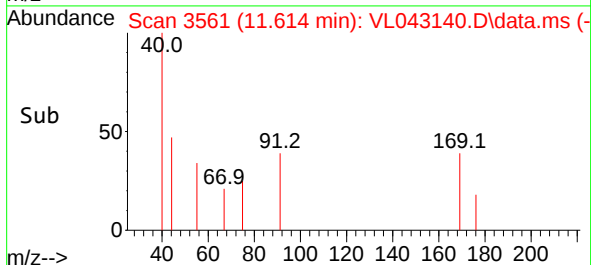
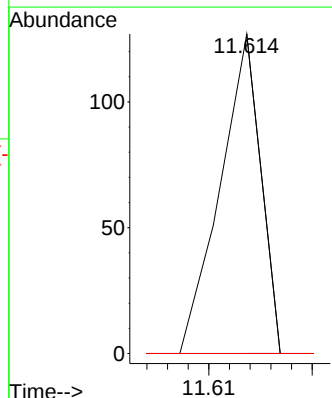
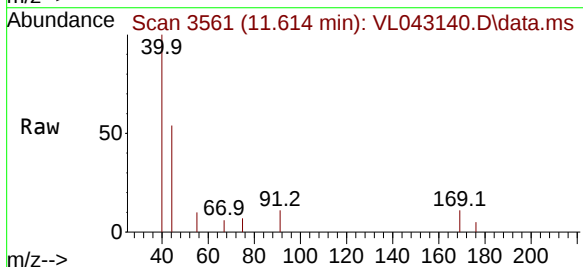
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

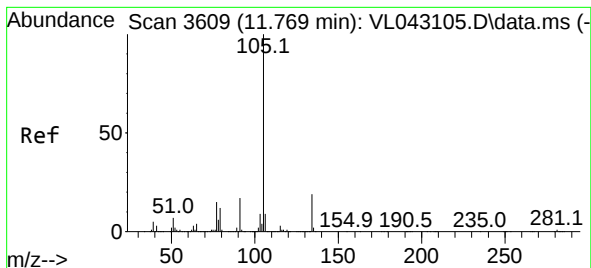
Tgt Ion:119 Resp: 101
Ion Ratio Lower Upper
119 100
91 82.2 63.4 95.0
134 0.0 17.3 25.9#



#66
Benzyl Chloride
Concen: 0.004 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 91 Resp: 35
Ion Ratio Lower Upper
91 100
126 0.0 14.6 22.0#
128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 0.001 ppbv

RT: 11.759 min Scan# 3606

Delta R.T. -0.010 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

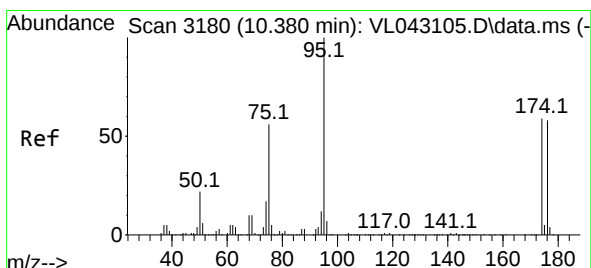
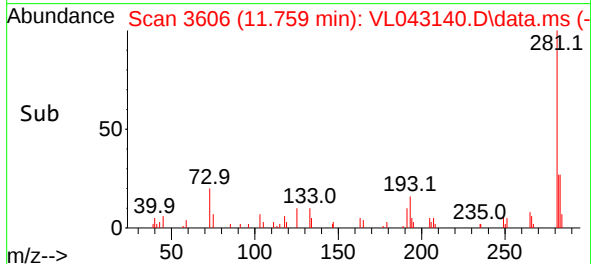
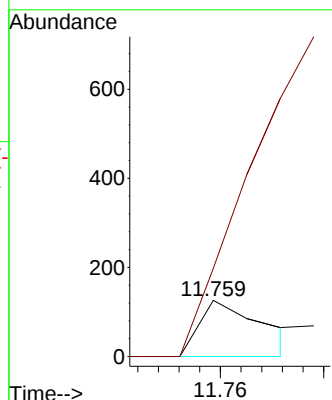
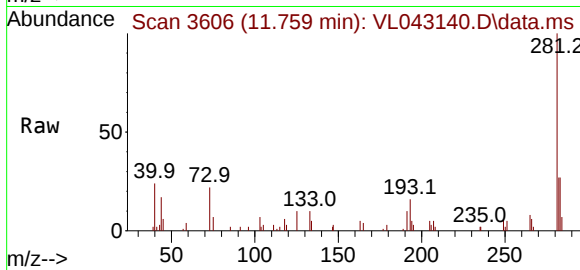
CAN 10595

Tgt Ion:105 Resp: 54

Ion Ratio Lower Upper

105 100

134 0.0 15.5 23.3#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.969 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.006 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

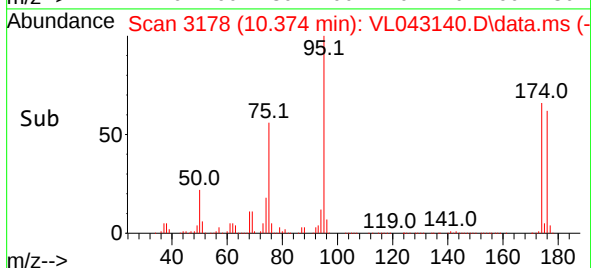
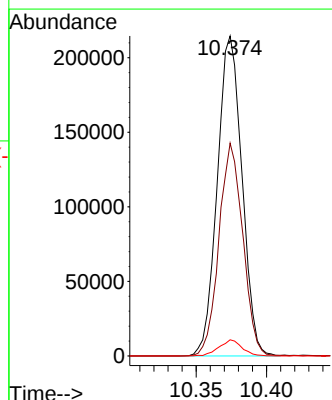
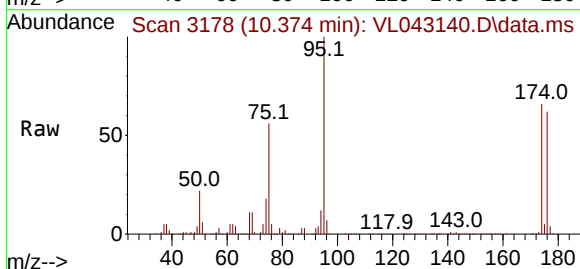
Tgt Ion: 95 Resp: 262010

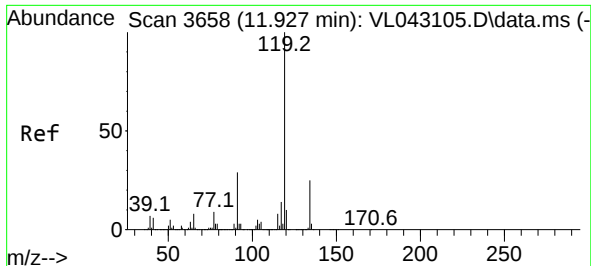
Ion Ratio Lower Upper

95 100

174 64.4 48.3 72.5

175 4.7 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.002 ppbv

RT: 11.785 min Scan# 3

Delta R.T. -0.142 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

CAN 10595

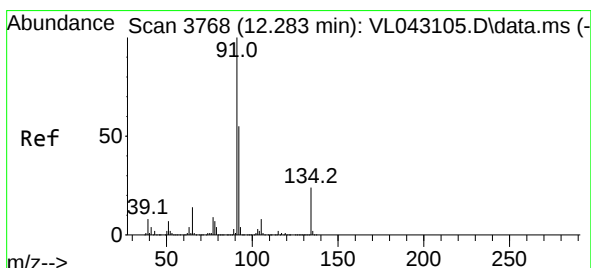
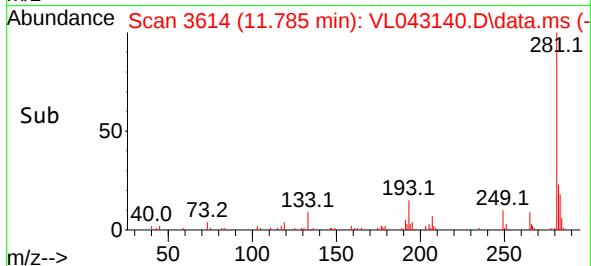
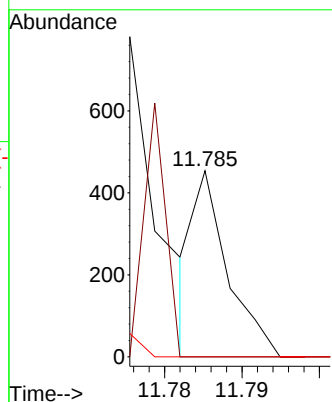
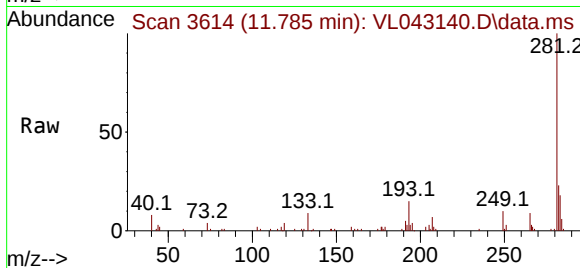
Tgt Ion:119 Resp: 138

Ion Ratio Lower Upper

119 100

134 0.0 20.3 30.5#

91 36.2 22.6 33.8#



#70

n-Butylbenzene

Concen: 0.000 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. -0.003 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

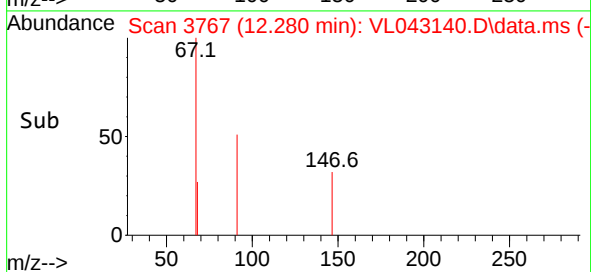
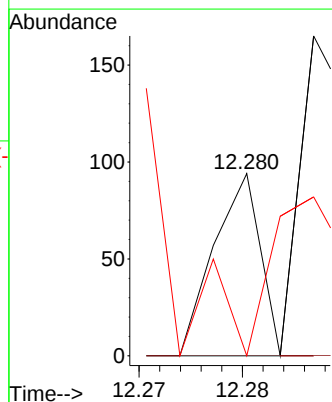
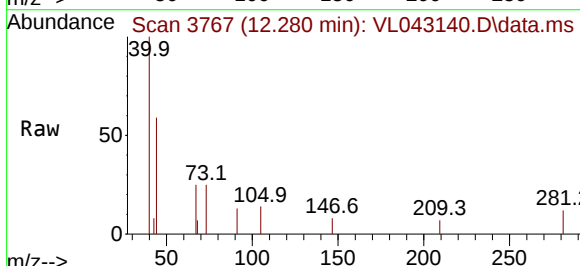
Tgt Ion: 91 Resp: 29

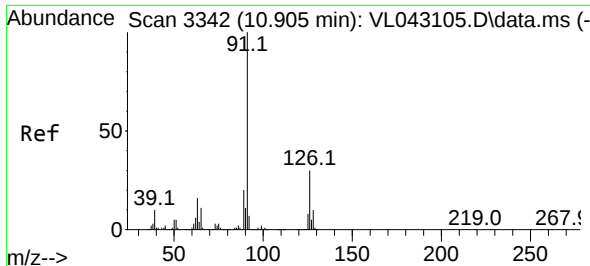
Ion Ratio Lower Upper

91 100

92 0.0 44.5 66.7#

134 313.8 19.3 28.9#

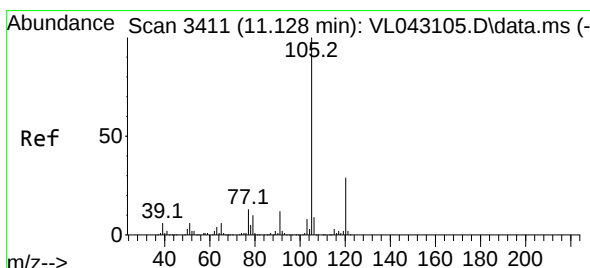
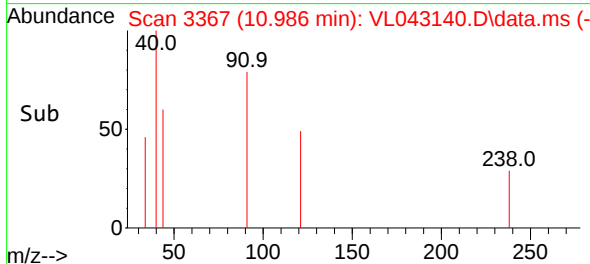
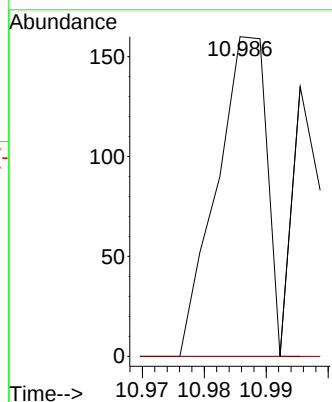
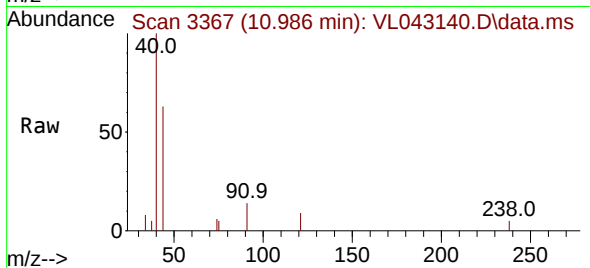




#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 10.986 min Scan# 31
Delta R.T. 0.081 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

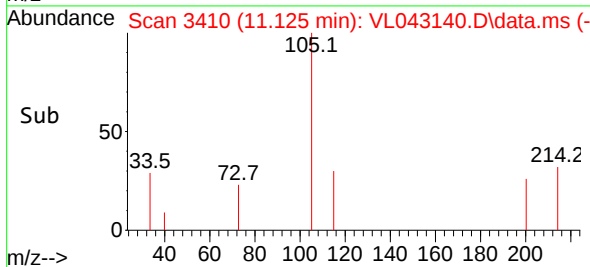
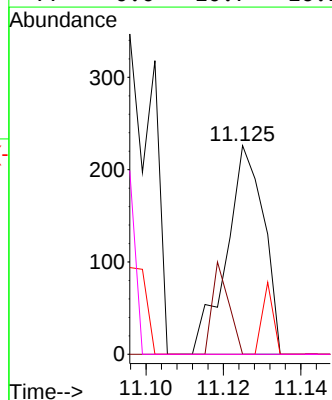
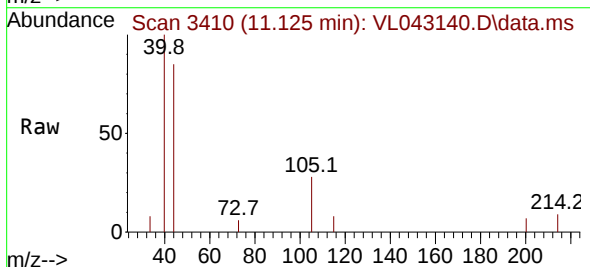
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

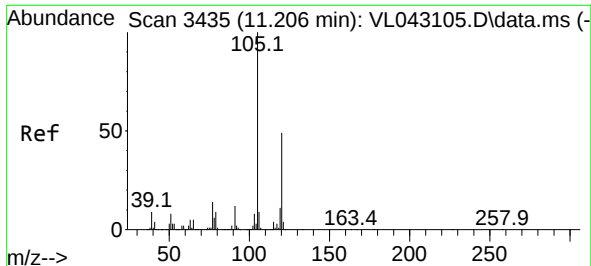
Tgt Ion: 91 Resp: 90
Ion Ratio Lower Upper
91 100
126 0.0 12.0 48.0#



#72
4-Ethyltoluene
Concen: 0.003 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 105 Resp: 151
Ion Ratio Lower Upper
105 100
120 0.0 24.2 36.4#
91 0.0 10.0 15.0#
77 0.0 10.7 16.1#

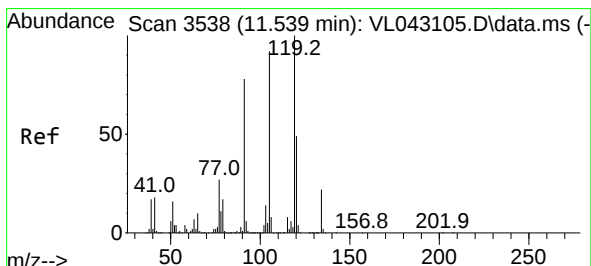
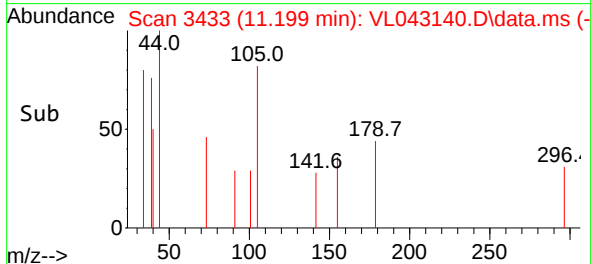
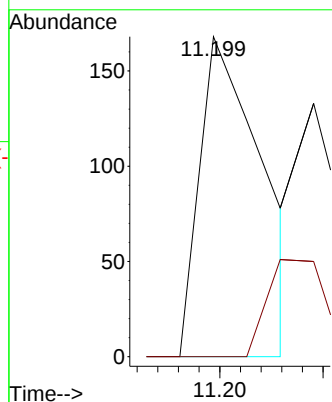
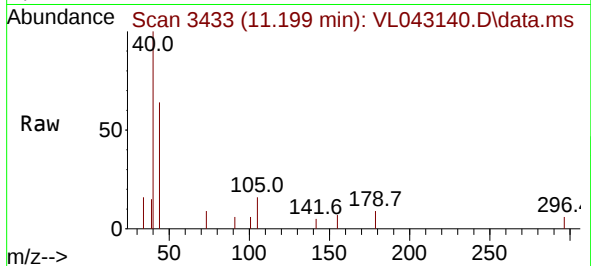




#73
1,3,5-Trimethylbenzene
Concen: 0.002 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

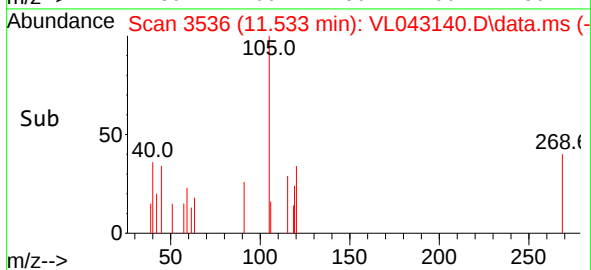
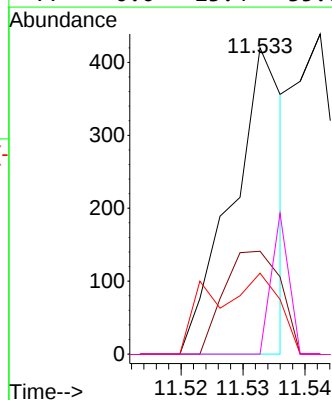
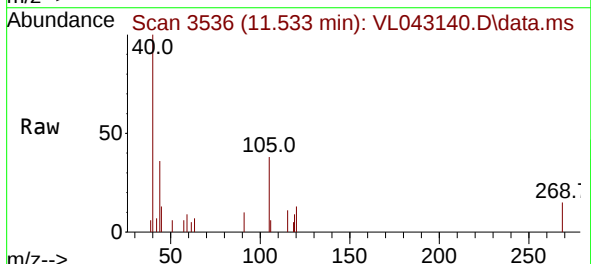
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

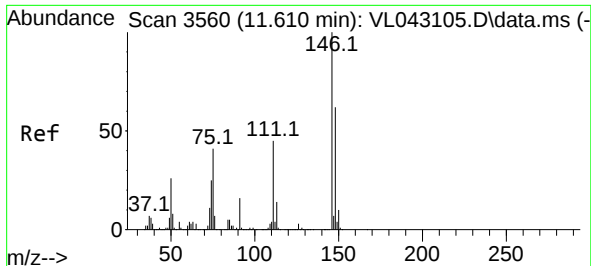
Tgt Ion:105 Resp: 72
Ion Ratio Lower Upper
105 100
120 0.0 39.0 58.6#



#74
1,2,4-Trimethylbenzene
Concen: 0.005 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion:105 Resp: 244
Ion Ratio Lower Upper
105 100
120 28.8 42.8 64.2#
91 22.7 68.3 102.5#
77 0.0 23.4 35.0#

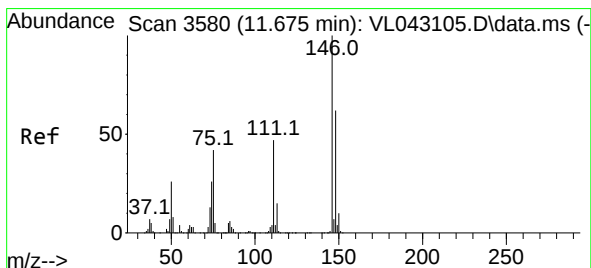
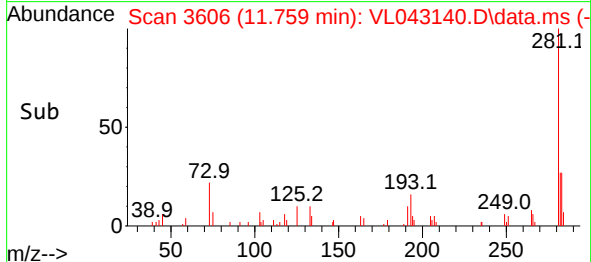
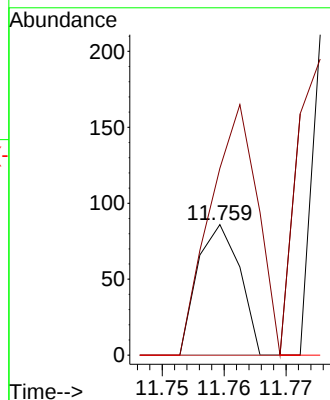
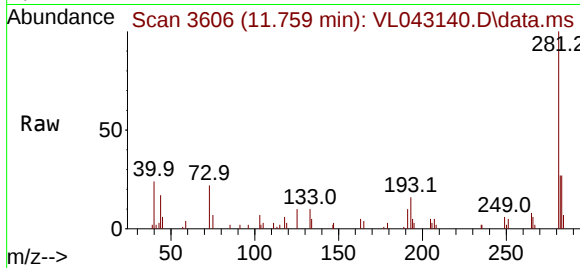




#75
1,3-Dichlorobenzene
Concen: 0.001 ppbv
RT: 11.759 min Scan# 3606
Delta R.T. 0.149 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

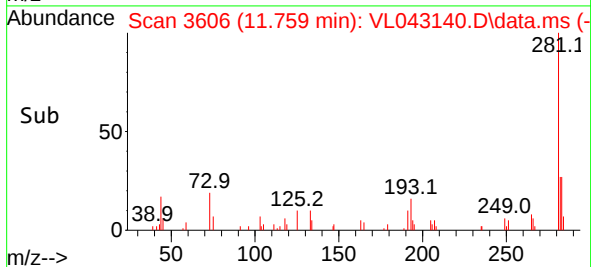
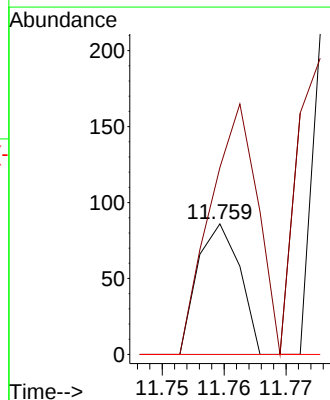
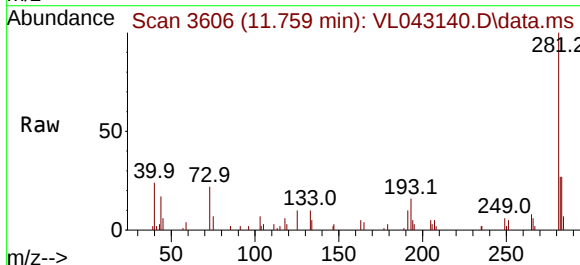
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

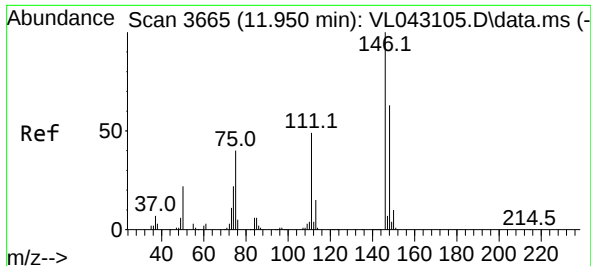
Tgt Ion:146 Resp: 41
Ion Ratio Lower Upper
146 100
111 0.0 23.3 69.9#
148 0.0 31.6 95.0#



#76
1,4-Dichlorobenzene
Concen: 0.001 ppbv
RT: 11.759 min Scan# 3606
Delta R.T. 0.084 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion:146 Resp: 41
Ion Ratio Lower Upper
146 100
111 78.0 22.4 67.0#
148 0.0 31.6 94.7#

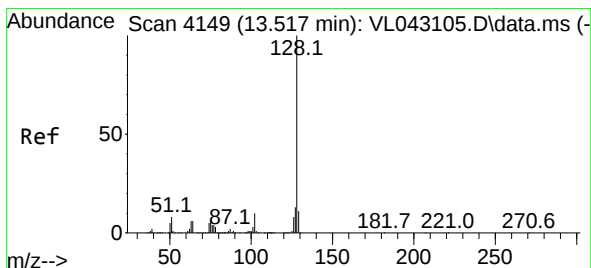
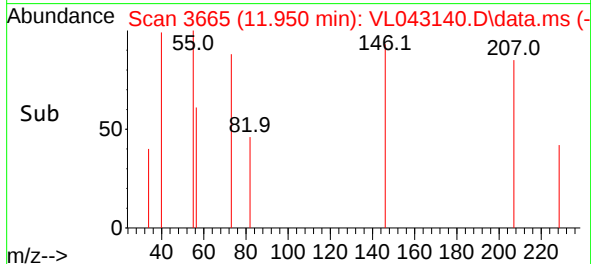
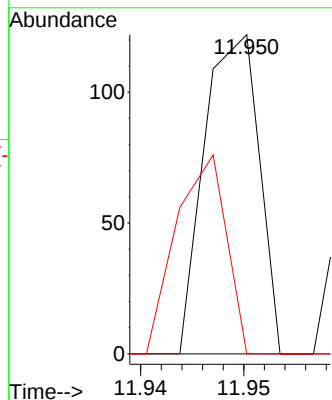
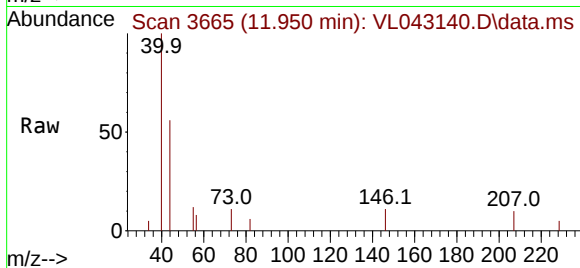




#77
1,2-Dichlorobenzene
Concen: 0.002 ppbv
RT: 11.950 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

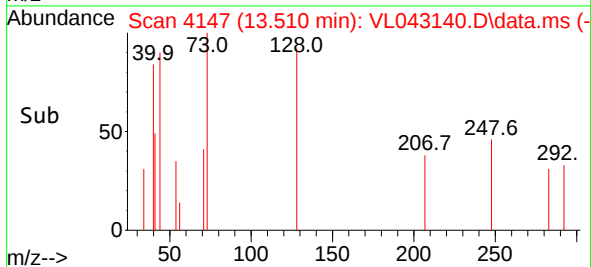
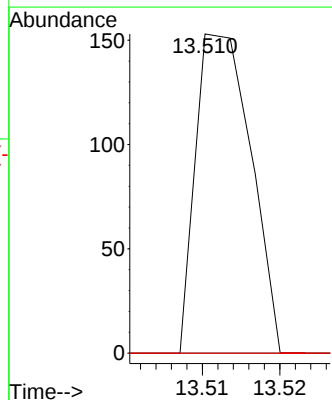
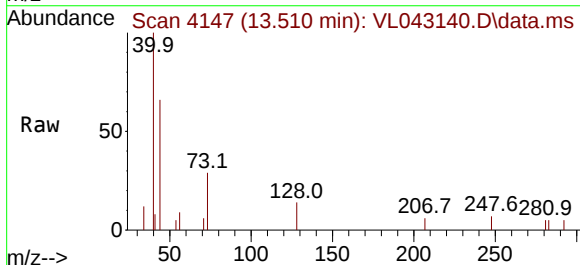
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

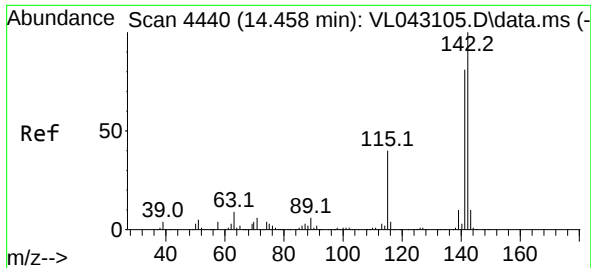
Tgt Ion:146 Resp: 45
Ion Ratio Lower Upper
146 100
111 0.0 24.0 72.0#
148 57.8 31.1 93.3



#79
Naphthalene
Concen: 0.001 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion:128 Resp: 76
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.1 13.7#

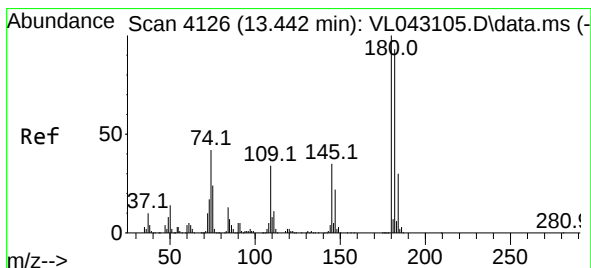
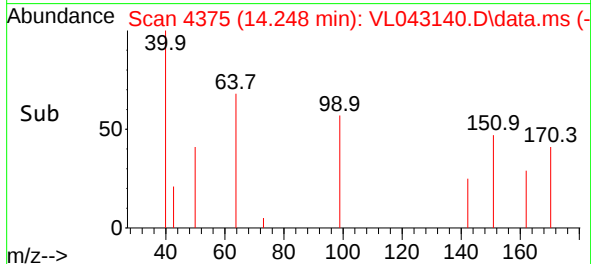
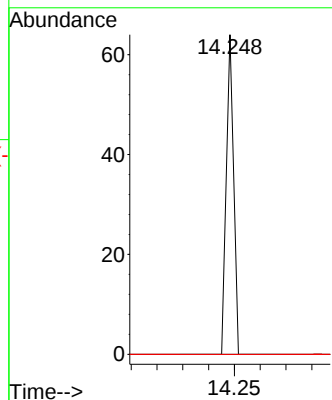
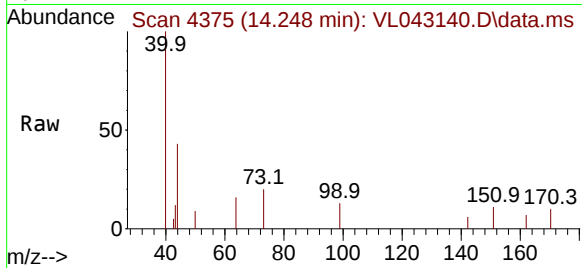




#80
Naphthalene, 2-methyl-
Concen: 0.001 ppbv
RT: 14.248 min Scan# 4180
Delta R.T. -0.210 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

Tgt Ion:142 Resp: 12
Ion Ratio Lower Upper
142 100
141 391.7 64.6 97.0#
115 0.0 30.2 45.4#



#81
1,2,4-Trichlorobenzene
Concen: 0.001 ppbv
RT: 13.617 min Scan# 4180
Delta R.T. 0.175 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion:180 Resp: 31
Ion Ratio Lower Upper
180 100
182 0.0 75.5 113.3#
184 0.0 23.9 35.9#

