

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043110.D
 Acq On : 14 Oct 2025 13:42
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Oct 15 01:55:07 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 01:49:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	100058	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	328897	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	292884	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	224043	9.841	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	546	0.038	ppbv	100
3) Chlorodifluoromethane	1.480	51	572	0.037	ppbv #	35
4) Chloromethane	1.535	50	354	0.063	ppbv #	53
5) Vinyl Chloride	1.583	62	217	0.039	ppbv #	78
6) Bromomethane	1.670	94	110	0.036	ppbv #	56
7) Chloroethane	1.706	64	136	0.060	ppbv #	42
8) Dichlorotetrafluoroethane	1.557	85	358	0.031	ppbv #	75
9) Propene	1.486	41	524	0.077	ppbv #	1
10) Heptane	4.988	43	203	0.010	ppbv #	27
11) Trichlorofluoromethane	2.137	101	209	0.015	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.143	101	220	0.020	ppbv #	13
13) Ethanol	1.793	45	201	0.080	ppbv #	1
14) Bromoethene	1.781	108	202	0.049	ppbv #	22
15) Acetone	1.839	43	1339	0.099	ppbv #	56
16) 1,3-Butadiene	1.612	39	710	0.110	ppbv	88
17) tert-Butyl alcohol	2.049	59	599	0.032	ppbv #	1
18) 1,1-Dichloroethene	2.036	96	232	0.048	ppbv	88
19) Isopropyl Alcohol	1.891	45	263	0.031	ppbv	95
20) Methylene Chloride	2.062	84	1624	0.305	ppbv #	83
21) Allyl Chloride	2.094	41	645	0.065	ppbv #	1
22) trans-1,2-Dichloroethene	2.344	96	240	0.041	ppbv	87
23) Vinyl Acetate	2.470	43	699	0.035	ppbv #	44
24) 1,1-Dichloroethane	2.412	63	383	0.034	ppbv #	87
25) Ethyl Acetate	2.845	43	998	0.030	ppbv #	85
26) Hexane	2.823	57	740	0.048	ppbv #	81
27) Carbon Disulfide	2.149	76	215	0.015	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	309	0.044	ppbv #	1
29) Chloroform	2.849	83	839	0.038	ppbv #	67
30) Cyclohexane	3.865	84	276	0.021	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	467	0.032	ppbv #	73
32) 1,1,1-Trichloroethane	3.376	97	336	0.014	ppbv #	1
34) 2-Butanone	2.564	43	909	0.041	ppbv #	89
35) Carbon Tetrachloride	3.768	117	216	0.009	ppbv #	73
36) Benzene	3.658	78	246	0.008	ppbv #	1
37) 1,2-Dichloroethane	3.221	62	772	0.043	ppbv #	87
38) Trichloroethene	4.551	130	216	0.017	ppbv #	77
39) 1,2-Dichloropropane	3.959	63	79938	7.052	ppbv #	25
40) 1,4-Dioxane	4.609	88	33	0.007	ppbv #	1
41) Tetrahydrofuran	3.049	42	87	0.007	ppbv #	37
42) Bromodichloromethane	4.496	83	250	0.010	ppbv #	26
43) Methyl Methacrylate	4.875	69	36	0.002	ppbv #	1
44) 2,2,4-Trimethylpentane	4.638	57	669	0.013	ppbv #	1
45) t-1,3-Dichloropropene	6.415	75	165	0.010	ppbv #	87

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043110.D
 Acq On : 14 Oct 2025 13:42
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

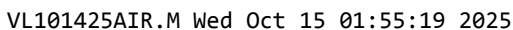
Instrument :
 MSVOA_L
 ClientSampleId :
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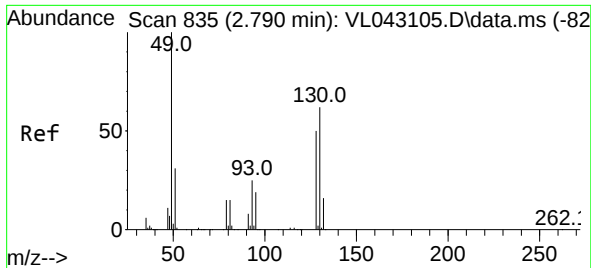
Quant Time: Oct 15 01:55:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 01:49:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.606	75	261	0.014	ppbv	#	80
47) 1,1,2-Trichloroethane	6.577	97	98	0.008	ppbv	#	42
48) Dibromochloromethane	7.390	129	186	0.009	ppbv	#	1
49) Bromoform	9.480	173	323	0.019	ppbv	#	56
50) 4-Methyl-2-Pentanone	5.762	43	271	0.009	ppbv	#	38
51) 2-Hexanone	7.438	43	98	0.004	ppbv	#	27
52) Tetrachloroethene	8.218	164	120	0.011	ppbv	#	67
53) Toluene	6.936	91	632	0.017	ppbv	#	20
54) 1,2-Dibromoethane	7.649	107	308	0.016	ppbv		86
56) 1,1,1,2-Tetrachloroethane	8.927	131	441	0.024	ppbv	#	14
57) Chlorobenzene	8.921	112	764	0.028	ppbv	#	63
58) Ethyl Benzene	9.357	91	1218	0.024	ppbv	#	83
59) m/p-Xylene	9.529	91	759	0.019	ppbv	#	29
60) o-Xylene	9.966	91	693	0.018	ppbv	#	32
61) Styrene	9.875	104	538	0.030	ppbv	#	88
62) Isopropylbenzene	10.539	105	1735	0.024	ppbv		90
63) 1,1,2,2-Tetrachloroethane	9.960	83	369	0.014	ppbv	#	1
64) n-propylbenzene	10.995	120	616	0.033	ppbv		92
65) tert-Butylbenzene	11.533	119	2219	0.035	ppbv		95
66) Benzyl Chloride	11.620	91	98	0.014	ppbv	#	65
67) sec-Butylbenzene	11.769	105	3170	0.035	ppbv		96
69) p-Isopropyltoluene	11.927	119	2370	0.031	ppbv	#	90
70) n-Butylbenzene	12.290	91	1534	0.020	ppbv	#	92
71) 2-Chlorotoluene	10.901	91	1757	0.032	ppbv		100
72) 4-Ethyltoluene	11.128	105	1502	0.031	ppbv	#	90
73) 1,3,5-Trimethylbenzene	11.202	105	1005	0.025	ppbv	#	83
74) 1,2,4-Trimethylbenzene	11.533	105	806	0.018	ppbv		89
75) 1,3-Dichlorobenzene	11.600	146	251	0.010	ppbv	#	1
76) 1,4-Dichlorobenzene	11.672	146	504	0.019	ppbv	#	24
77) 1,2-Dichlorobenzene	11.950	146	709	0.028	ppbv		79
78) Hexachloro-1,3-Butadiene	13.876	225	239	0.012	ppbv	#	19
79) Naphthalene	13.520	128	851	0.018	ppbv	#	94
80) Naphthalene,2-methyl-	14.458	142	15	0.001	ppbv	#	1
81) 1,2,4-Trichlorobenzene	13.445	180	219	0.011	ppbv	#	79

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

Quant Time: Oct 15 01:55:07 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 01:49:43 2025
Response via : Initial Calibration

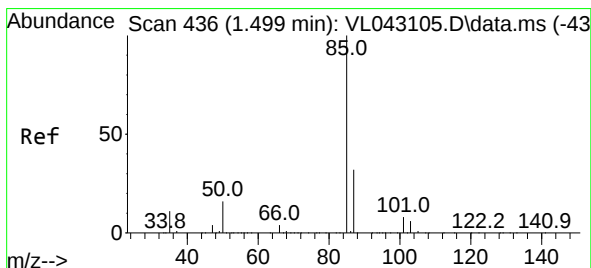
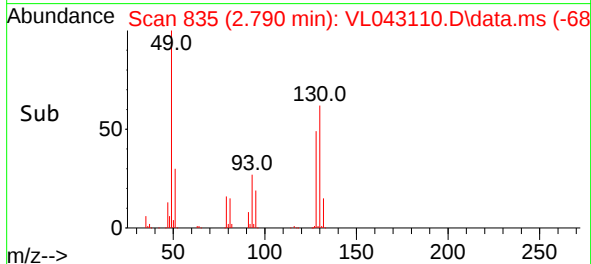
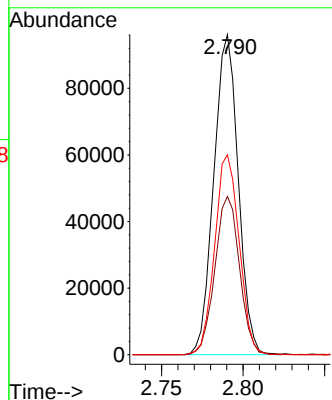
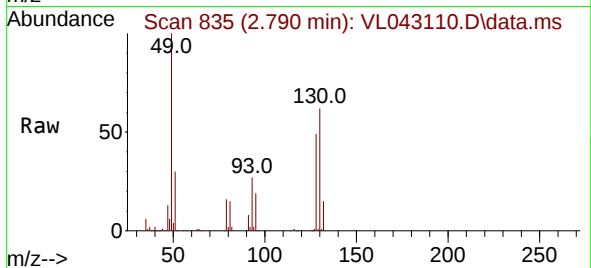




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

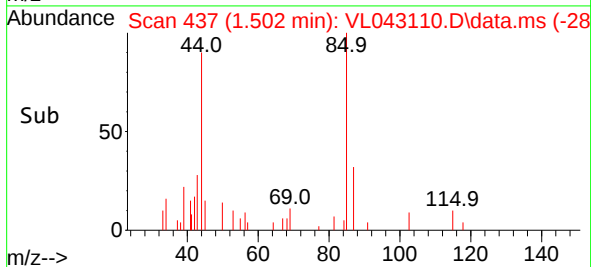
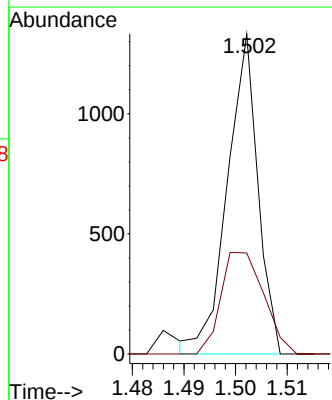
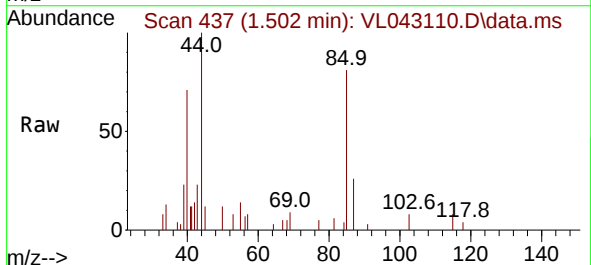
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

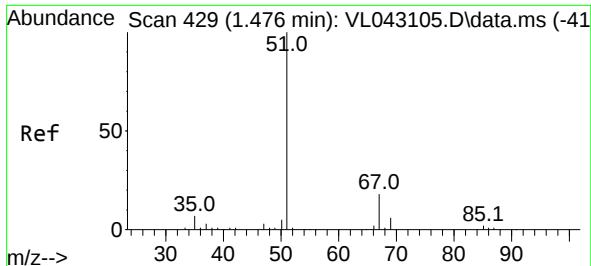
Tgt Ion: 49 Resp: 100058
Ion Ratio Lower Upper
49 100
128 49.9 24.4 73.4
130 62.5 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.038 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 85 Resp: 546
Ion Ratio Lower Upper
85 100
87 31.5 25.3 37.9





#3

Chlorodifluoromethane

Concen: 0.037 ppbv

RT: 1.480 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

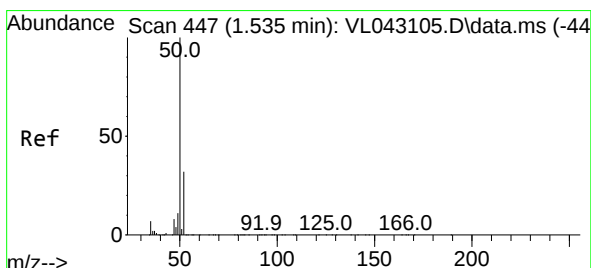
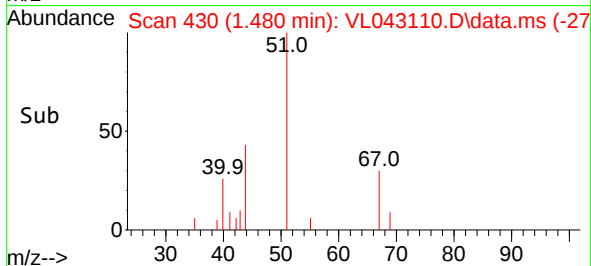
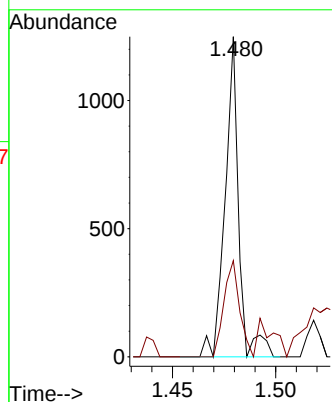
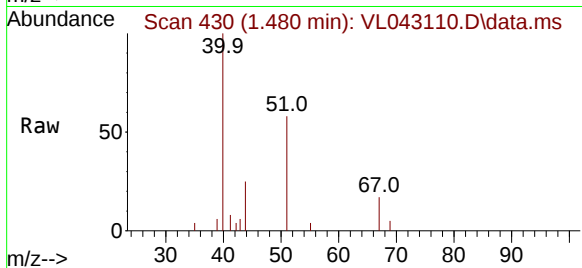
VSTDICC0.03

Tgt Ion: 51 Resp: 572

Ion Ratio Lower Upper

51 100

67 48.1 15.1 22.7#



#4

Chloromethane

Concen: 0.063 ppbv

RT: 1.535 min Scan# 447

Delta R.T. -0.000 min

Lab File: VL043110.D

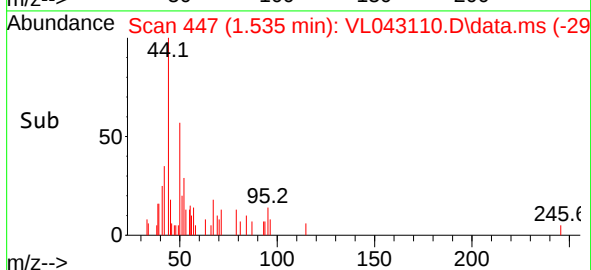
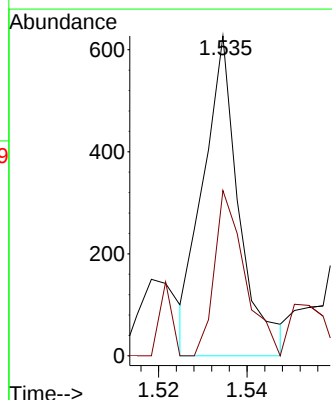
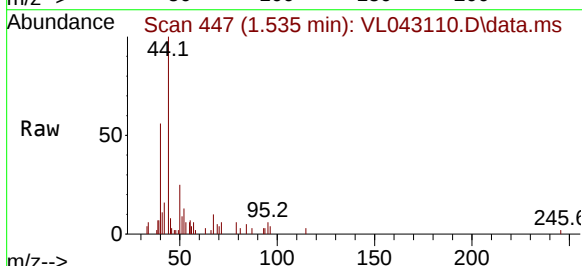
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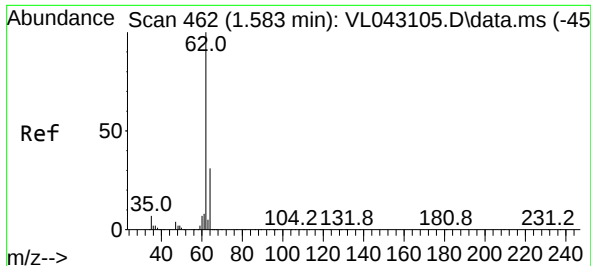
Tgt Ion: 50 Resp: 354

Ion Ratio Lower Upper

50 100

52 57.3 25.2 37.8#

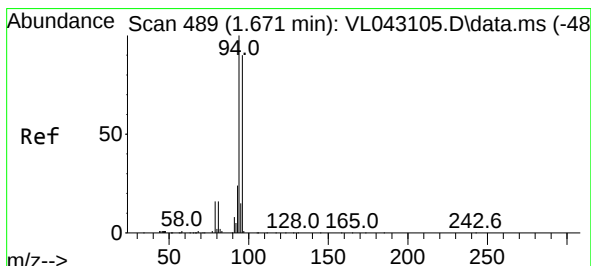
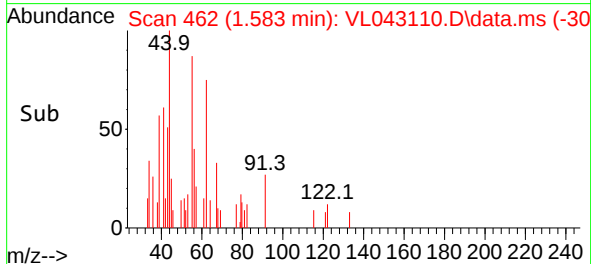
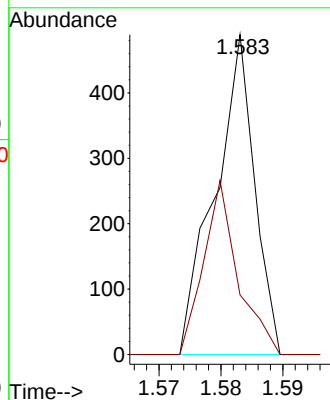
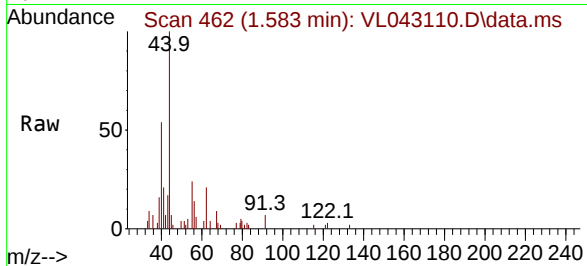




#5
 Vinyl Chloride
 Concen: 0.039 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

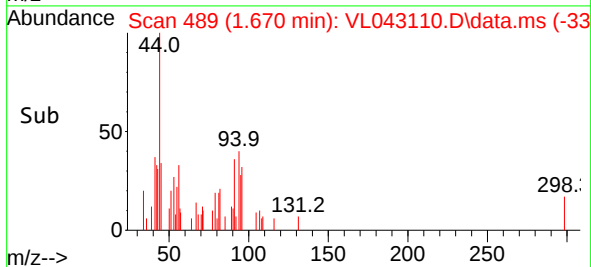
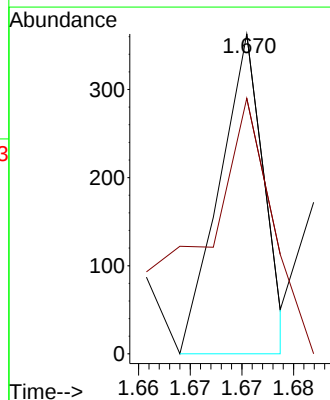
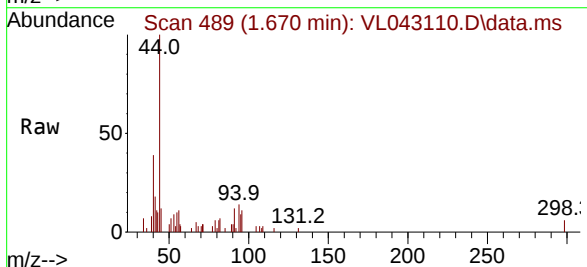
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

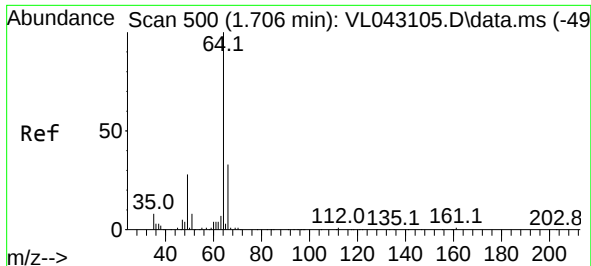
Tgt Ion: 62 Resp: 217
 Ion Ratio Lower Upper
 62 100
 64 18.6 24.6 36.8#



#6
 Bromomethane
 Concen: 0.036 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.000 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

Tgt Ion: 94 Resp: 110
 Ion Ratio Lower Upper
 94 100
 96 48.8 72.2 108.4#

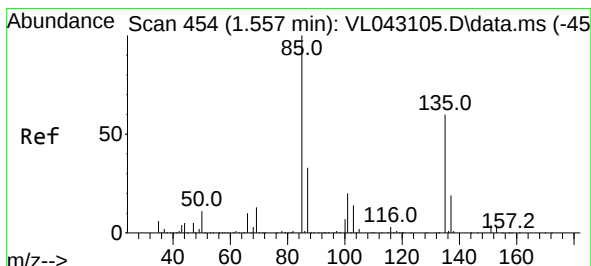
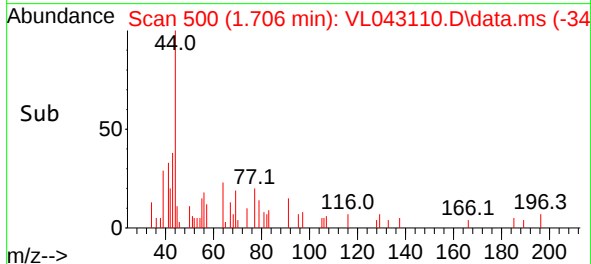
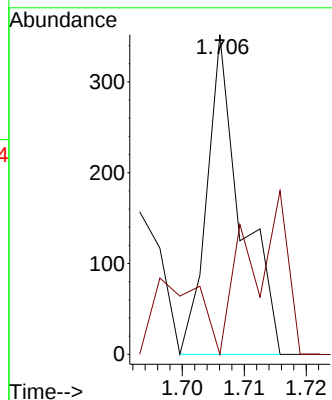
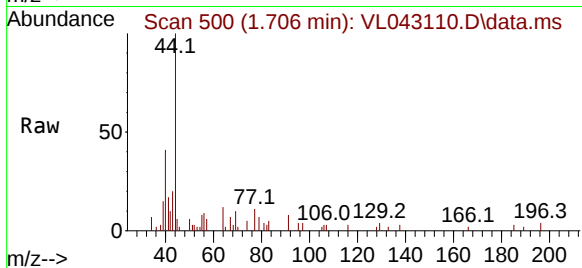




#7
Chloroethane
Concen: 0.060 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

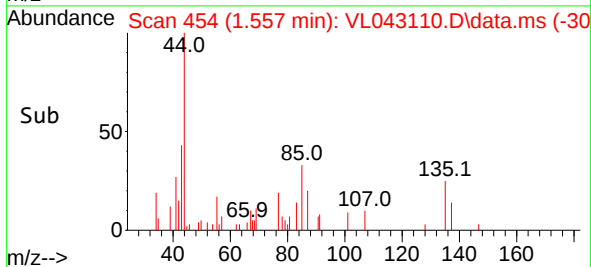
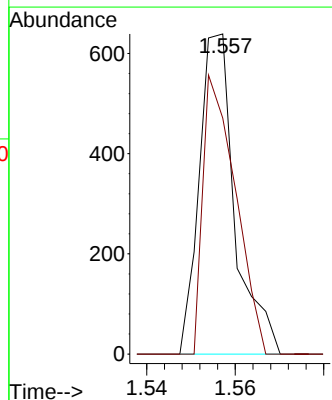
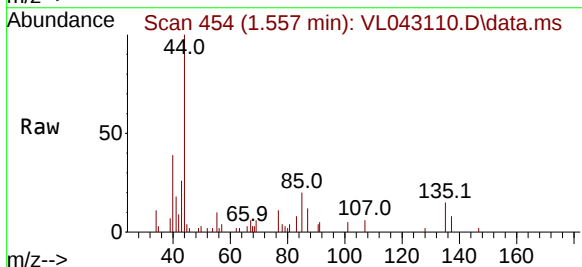
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ClientSampleId :
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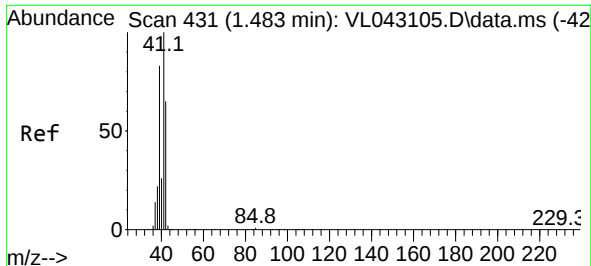
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 85 Resp: 358
Ion Ratio Lower Upper
85 100
135 79.6 48.2 72.4#





#9

Propene

Concen: 0.077 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

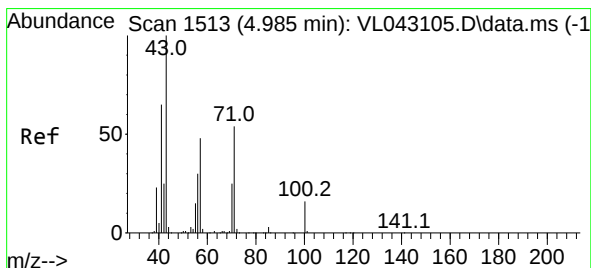
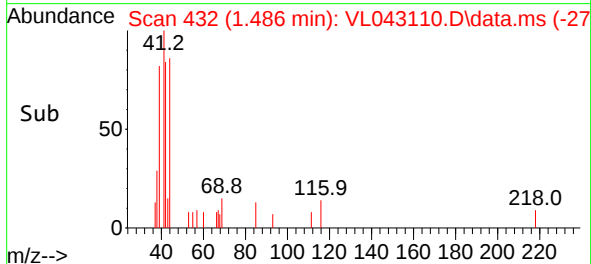
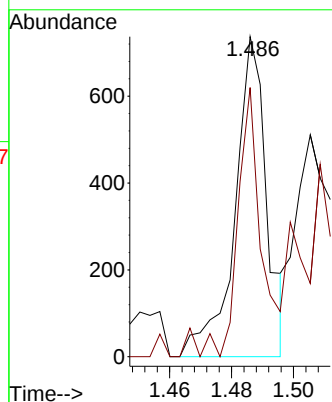
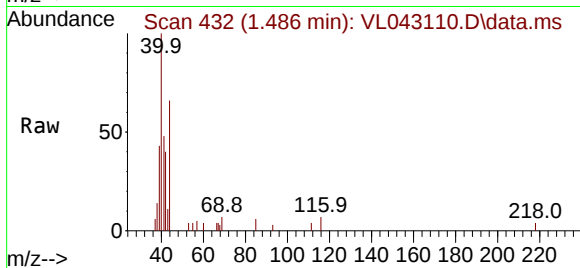
VSTDICC0.03

Tgt Ion: 41 Resp: 524

Ion Ratio Lower Upper

41 100

42 154.8 55.1 82.7#



#10

Heptane

Concen: 0.010 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.003 min

Lab File: VL043110.D

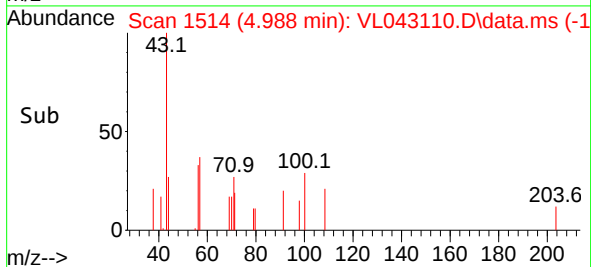
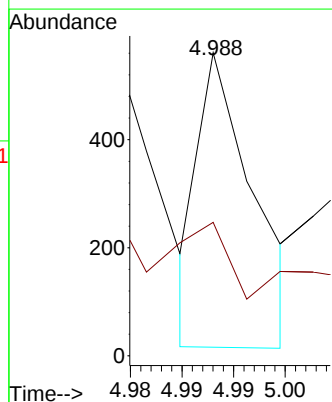
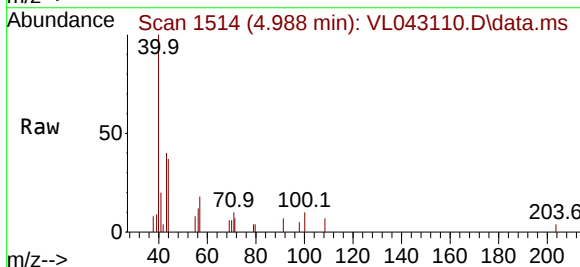
Acq: 14 Oct 2025 13:42

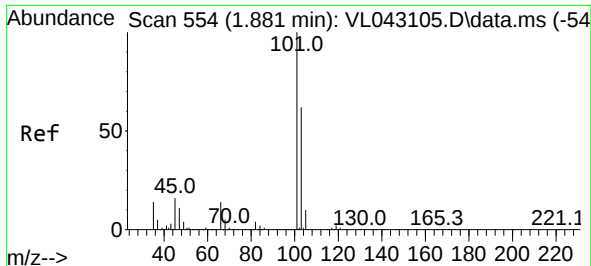
Tgt Ion: 43 Resp: 203

Ion Ratio Lower Upper

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57 0.0 40.8 61.2#

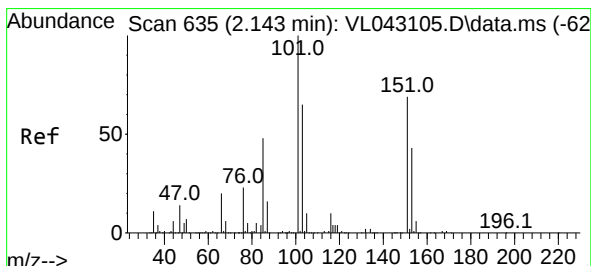
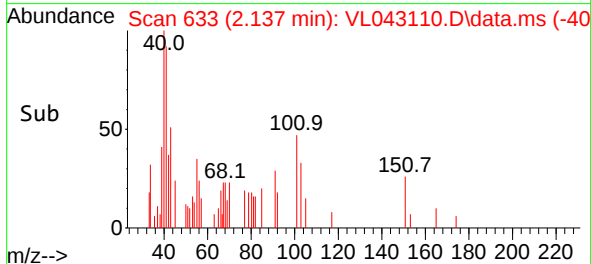
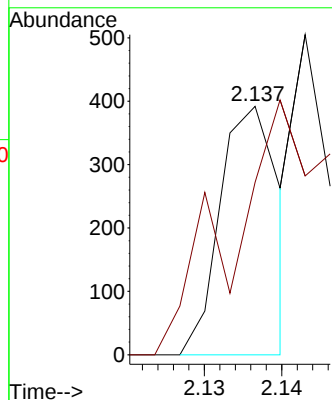
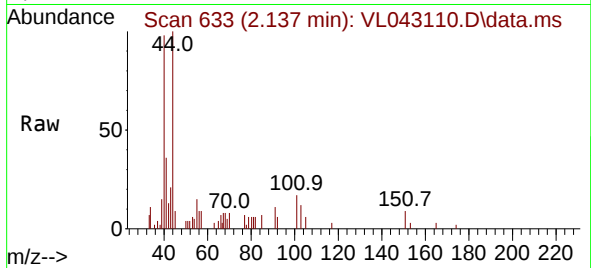




#11
Trichlorofluoromethane
Concen: 0.015 ppbv
RT: 2.137 min Scan# 611
Delta R.T. 0.256 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

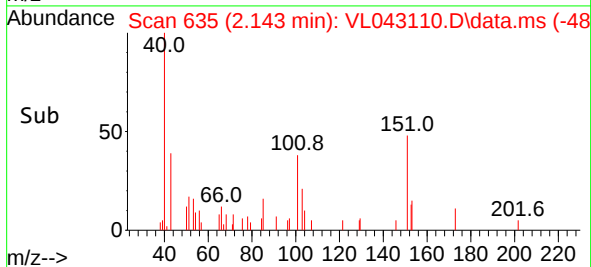
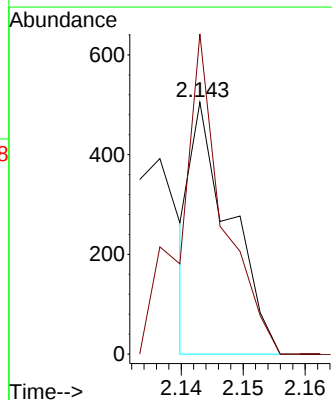
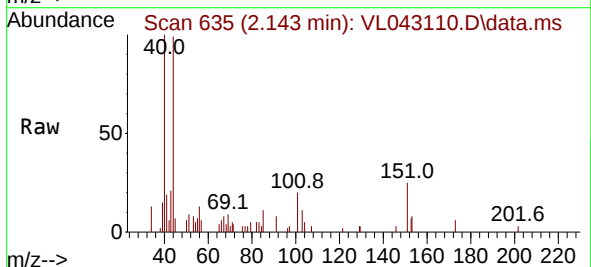
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

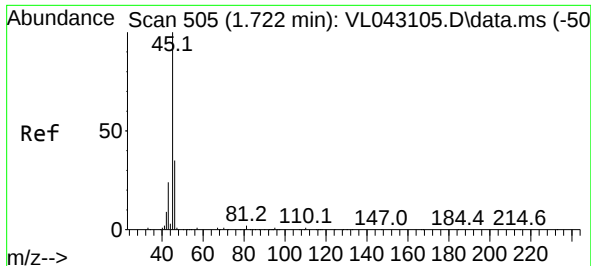
Tgt Ion:101 Resp: 209
Ion Ratio Lower Upper
101 100
103 49.7 49.3 73.9



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.020 ppbv
RT: 2.143 min Scan# 635
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:101 Resp: 220
Ion Ratio Lower Upper
101 100
151 139.1 54.7 82.1#

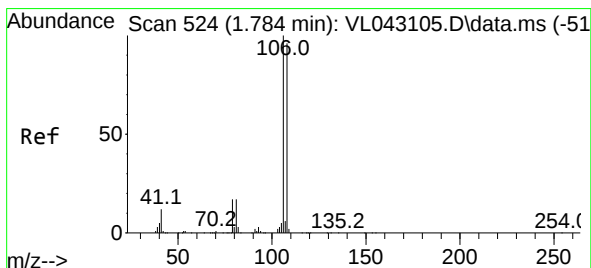
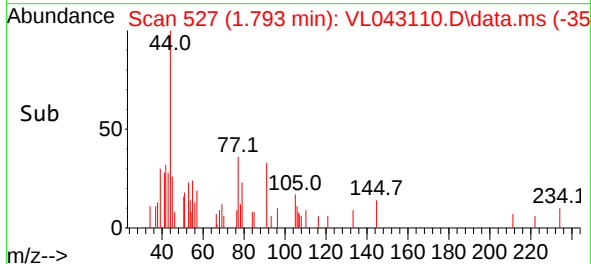
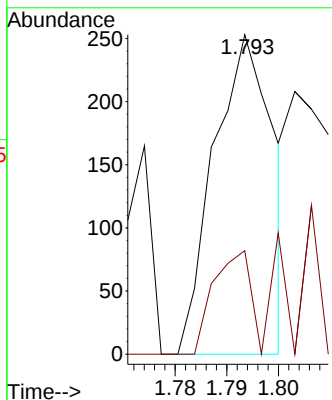
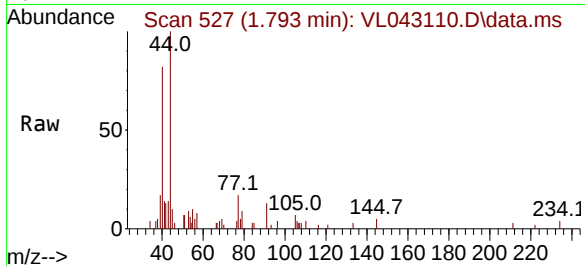




#13
 Ethanol
 Concen: 0.080 ppbv
 RT: 1.793 min Scan# 51
 Delta R.T. 0.071 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

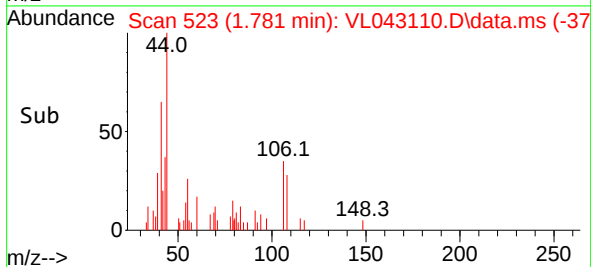
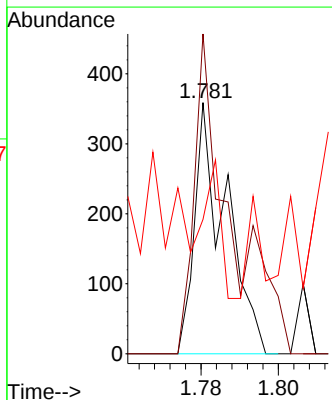
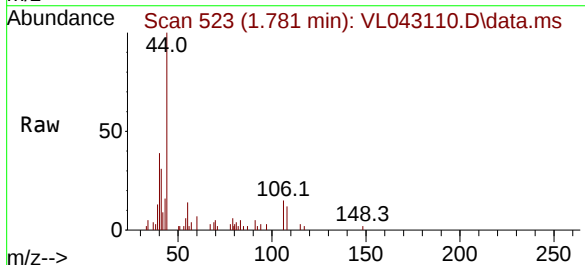
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

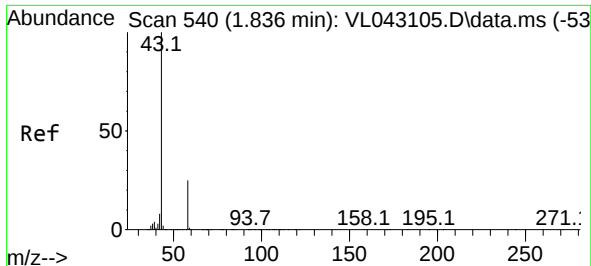
Tgt Ion: 45 Resp: 201
 Ion Ratio Lower Upper
 45 100
 46 146.3 14.7 58.9#



#14
 Bromoethene
 Concen: 0.049 ppbv
 RT: 1.781 min Scan# 523
 Delta R.T. -0.003 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

Tgt Ion: 108 Resp: 202
 Ion Ratio Lower Upper
 108 100
 106 144.6 84.4 126.6#
 79 154.0 15.3 22.9#

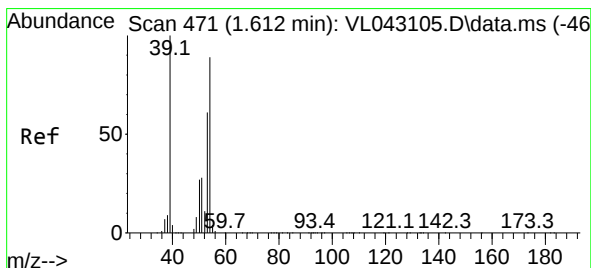
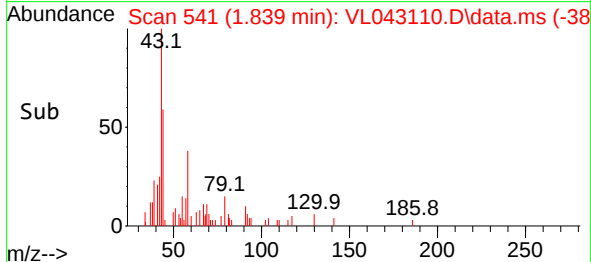
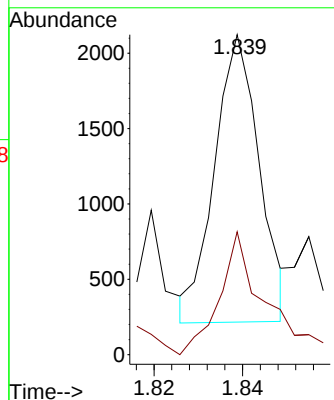
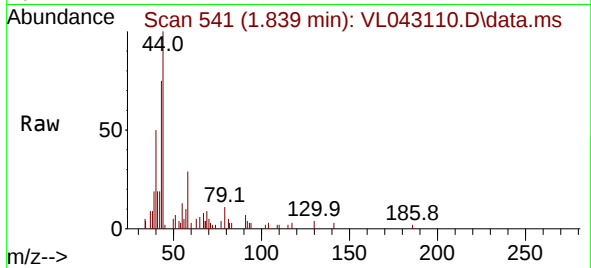




#15
Acetone
Concen: 0.099 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

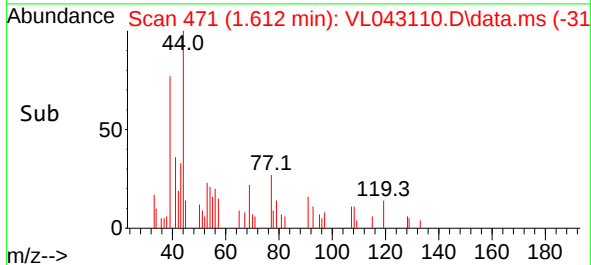
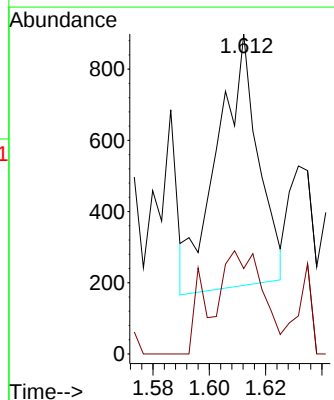
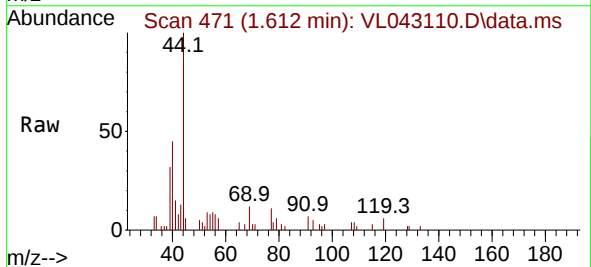
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

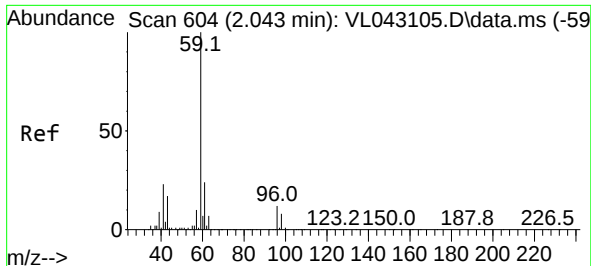
Tgt Ion: 43 Resp: 1339
Ion Ratio Lower Upper
43 100
58 48.2 20.8 31.2#



#16
1,3-Butadiene
Concen: 0.110 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 39 Resp: 710
Ion Ratio Lower Upper
39 100
54 63.4 59.0 88.4





#17

tert-Butyl alcohol

Concen: 0.032 ppbv

RT: 2.049 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

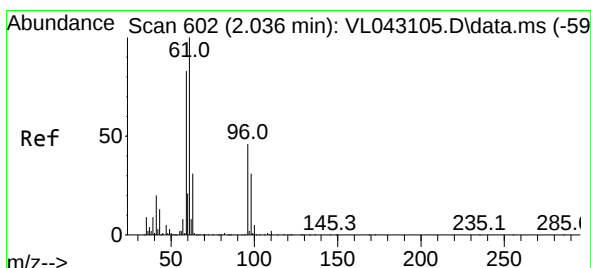
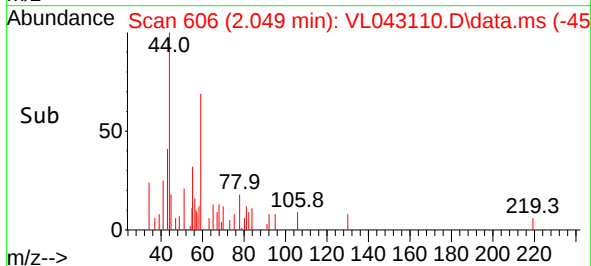
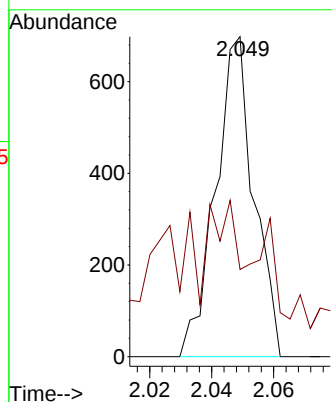
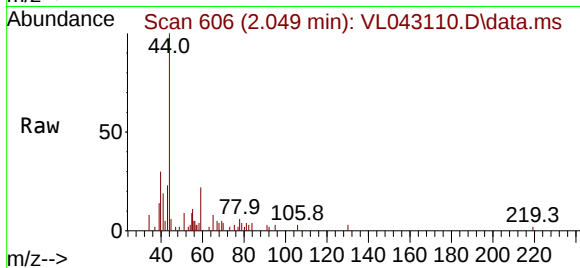
VSTDIC0.03

Tgt Ion: 59 Resp: 599

Ion Ratio Lower Upper

59 100

57 72.6 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.048 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

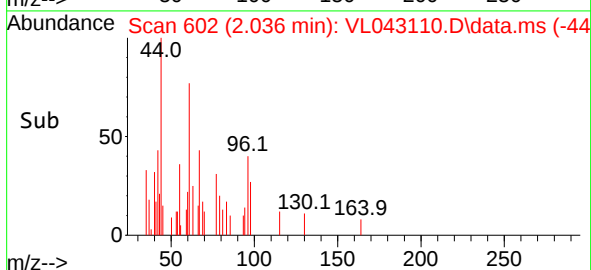
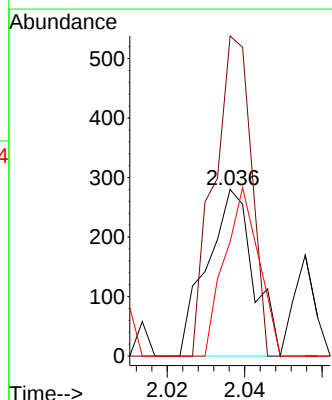
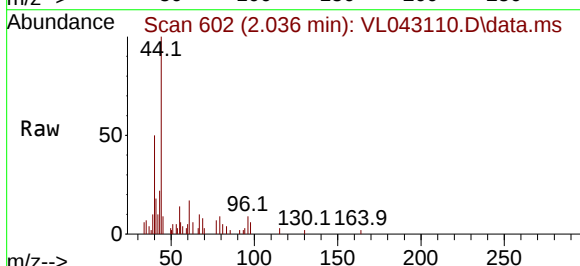
Tgt Ion: 96 Resp: 232

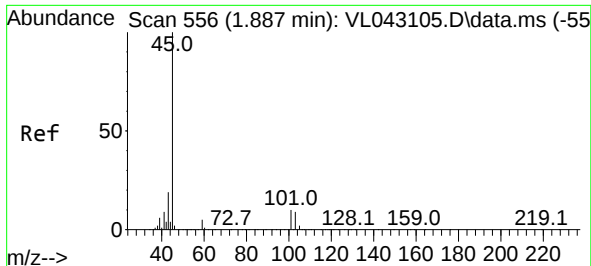
Ion Ratio Lower Upper

96 100

61 192.1 173.4 260.0

98 68.6 53.2 79.8

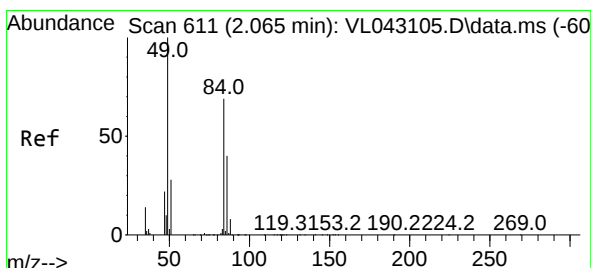
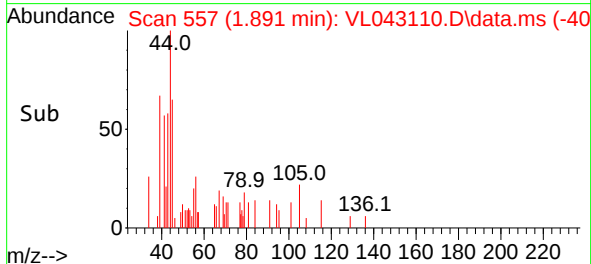
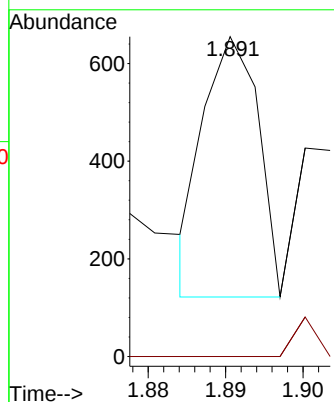
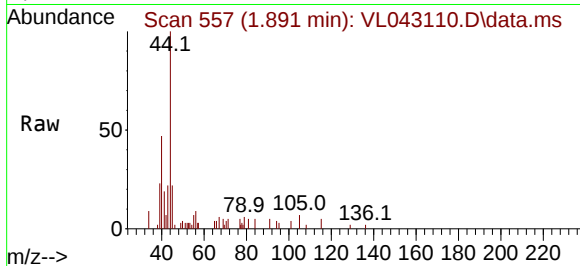




#19
Isopropyl Alcohol
Concen: 0.031 ppbv
RT: 1.891 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

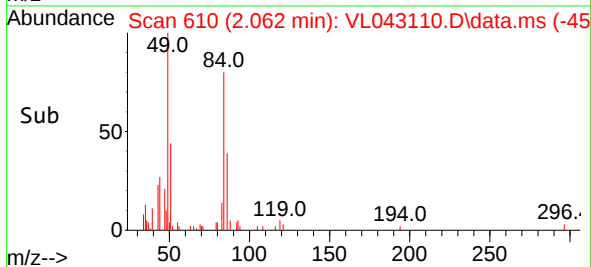
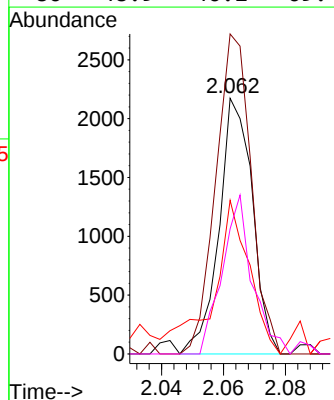
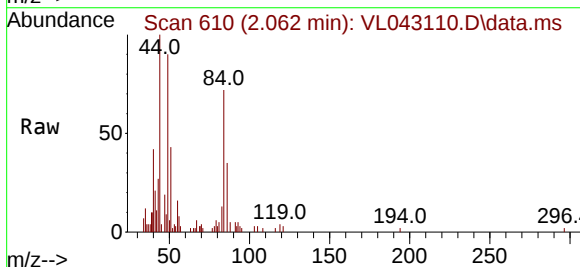
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

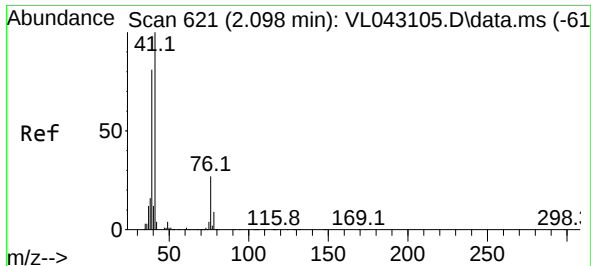
Tgt Ion: 45 Resp: 263
Ion Ratio Lower Upper
45 100
58 35.7 31.3 46.9



#20
Methylene Chloride
Concen: 0.305 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 84 Resp: 1624
Ion Ratio Lower Upper
84 100
49 125.2 116.6 175.0
51 60.1 34.8 52.2#
86 48.9 46.2 69.4

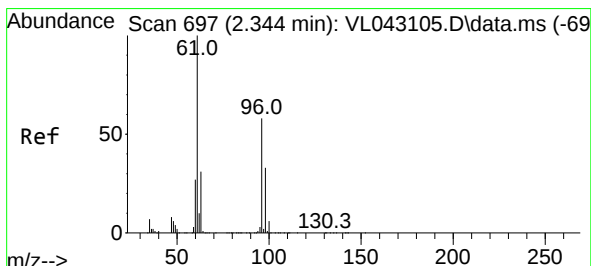
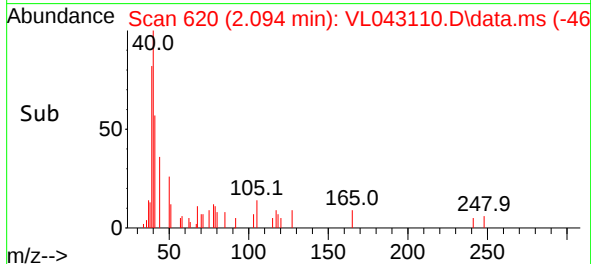
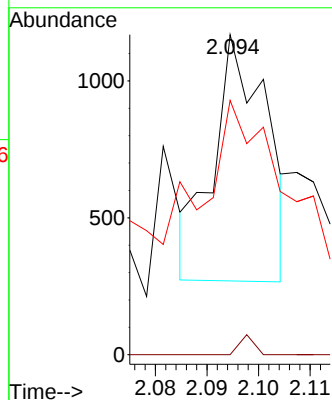
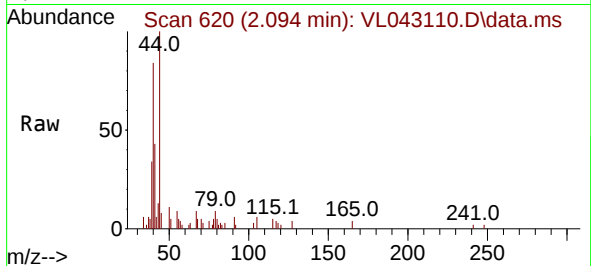




#21
 Allyl Chloride
 Concen: 0.065 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

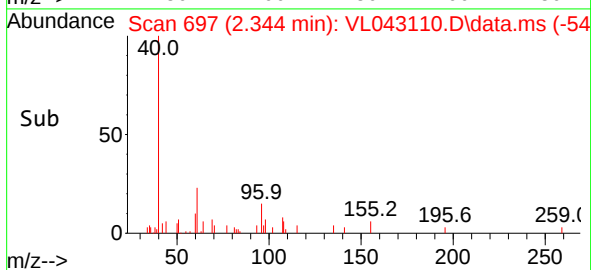
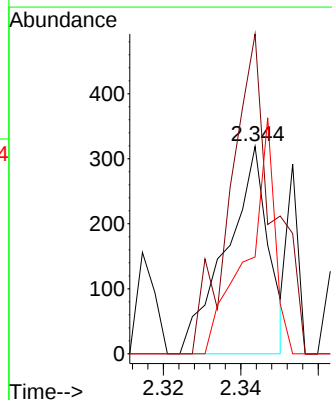
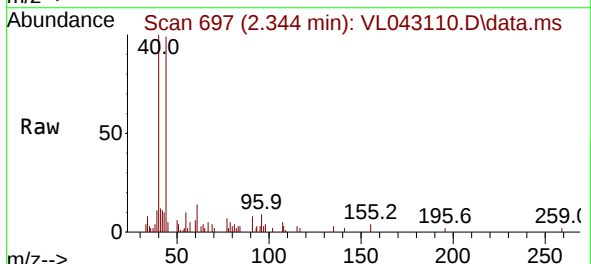
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

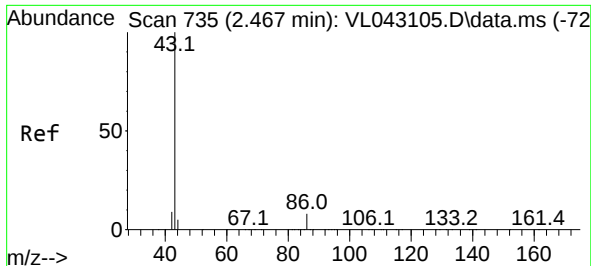
Tgt Ion: 41 Resp: 645
 Ion Ratio Lower Upper
 41 100
 76 0.0 21.5 32.3#
 39 263.7 60.8 91.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.041 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

Tgt Ion: 96 Resp: 240
 Ion Ratio Lower Upper
 96 100
 61 154.2 137.0 205.6
 98 46.7 45.5 68.3

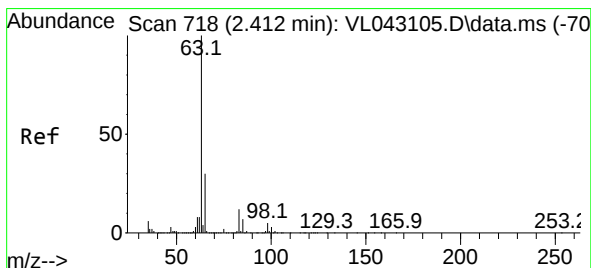
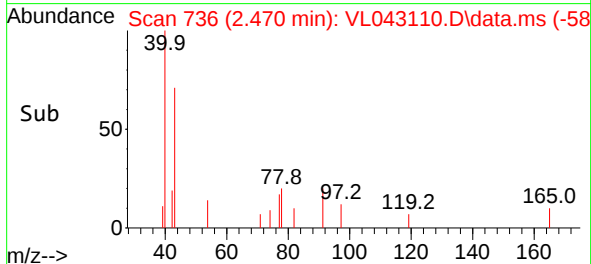
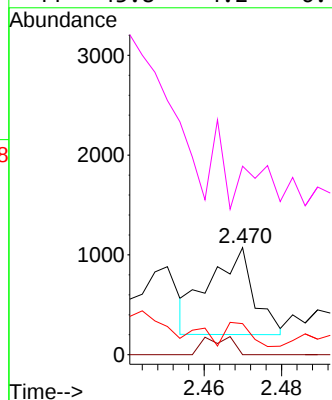
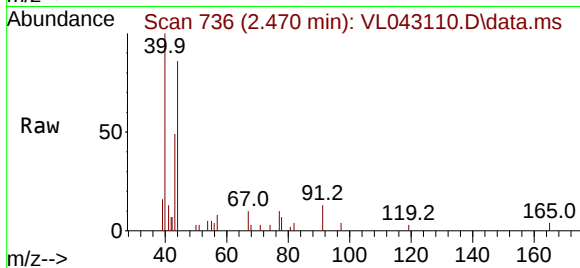




#23
 Vinyl Acetate
 Concen: 0.035 ppbv
 RT: 2.470 min Scan# 718
 Delta R.T. 0.003 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

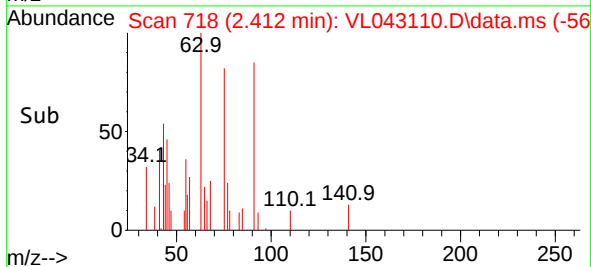
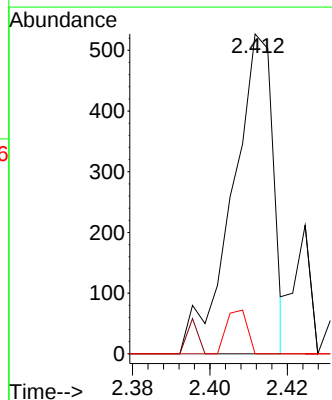
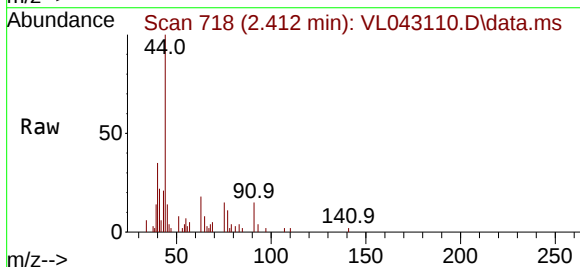
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

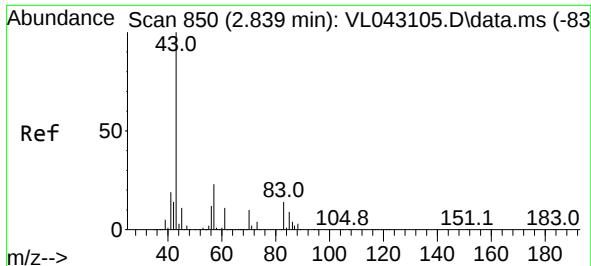
Tgt Ion: 43	Resp: 699
Ion Ratio	Lower Upper
43 100	
86 0.0	6.2 9.2#
42 27.9	7.6 11.4#
44 43.8	4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 0.034 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

Tgt Ion: 63	Resp:	383	
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.6	7.8#
100	0.0	1.5	4.4#

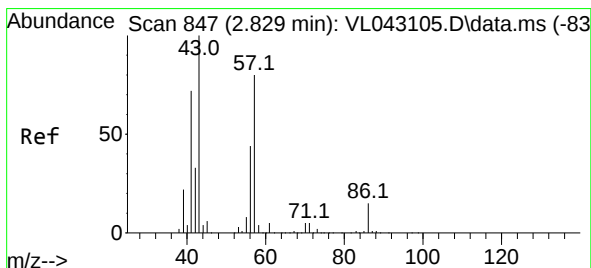
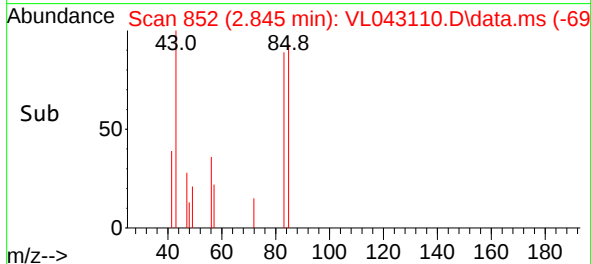
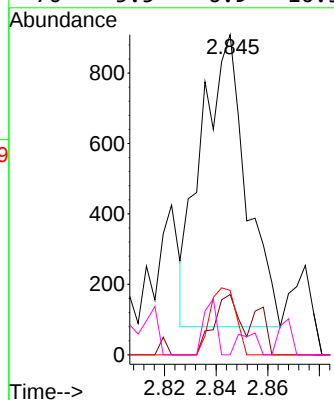
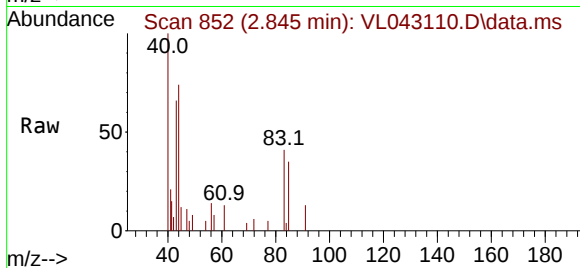




#25
Ethyl Acetate
Concen: 0.030 ppbv
RT: 2.845 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

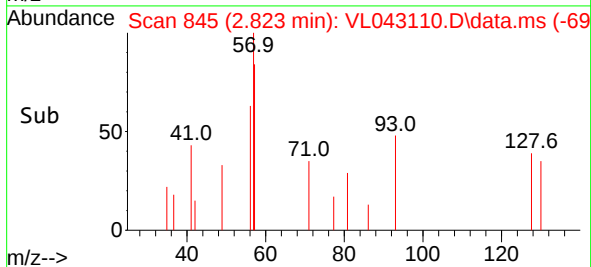
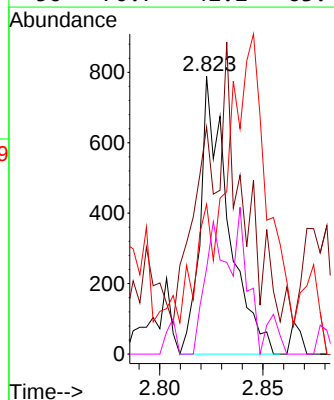
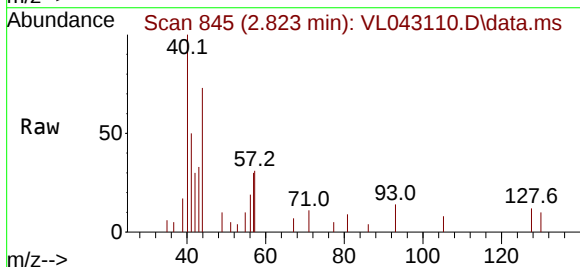
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

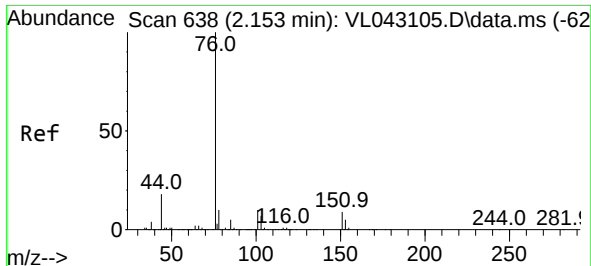
Tgt Ion: 43	Resp: 998
Ion Ratio	Lower Upper
43 100	
45 18.0	7.8 11.8#
61 13.2	7.0 10.6#
70 5.5	6.9 10.3#



#26
Hexane
Concen: 0.048 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 57	Resp: 740
Ion Ratio	Lower Upper
57 100	
41 136.4	71.4 107.0#
43 230.5	178.5 267.7
56 70.7	42.2 63.4#

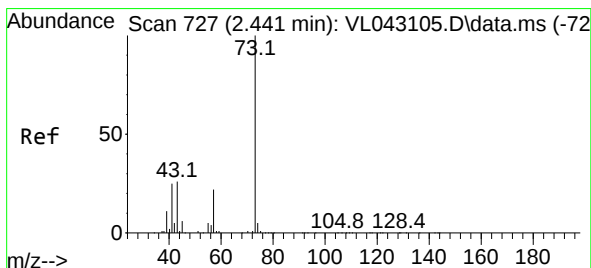
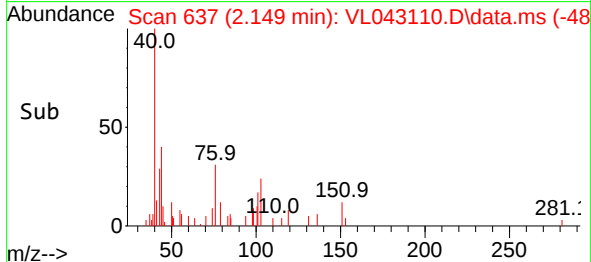
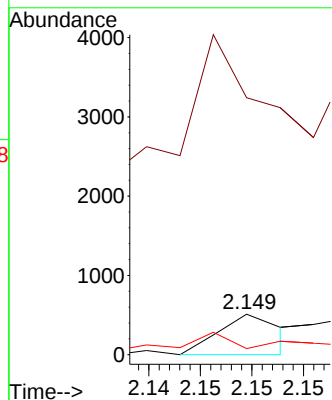
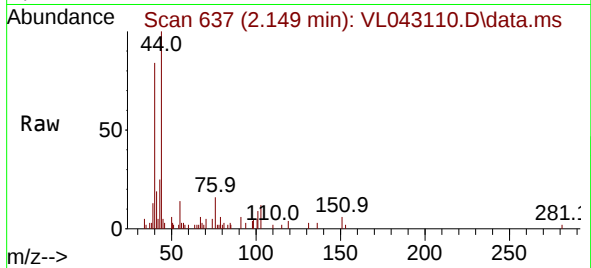




#27
Carbon Disulfide
Concen: 0.015 ppbv
RT: 2.149 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

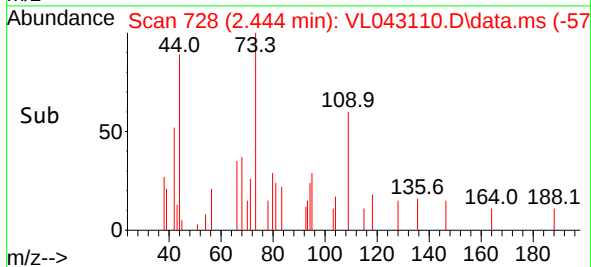
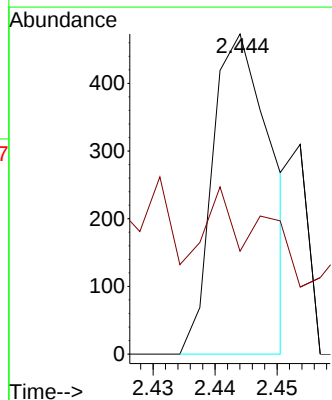
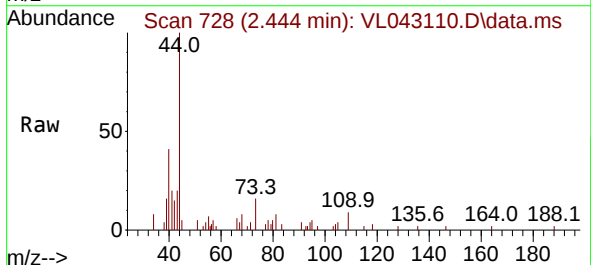
Instrument :
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ClientSampleId :
VSTDIC0.03

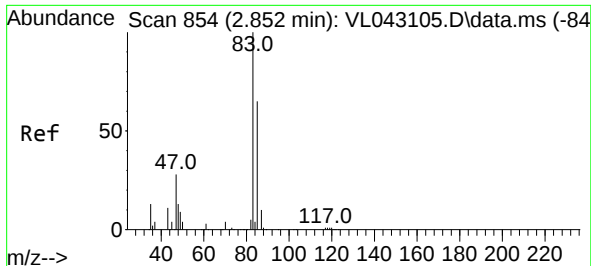
Tgt Ion: 76 Resp: 215
Ion Ratio Lower Upper
76 100
44 0.0 16.7 25.1#
78 209.8 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.044 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 73 Resp: 309
Ion Ratio Lower Upper
73 100
57 184.8 20.5 30.7#





#29

Chloroform

Concen: 0.038 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

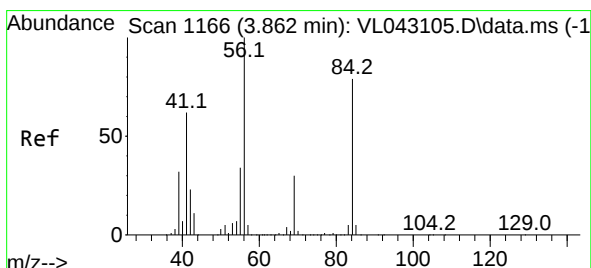
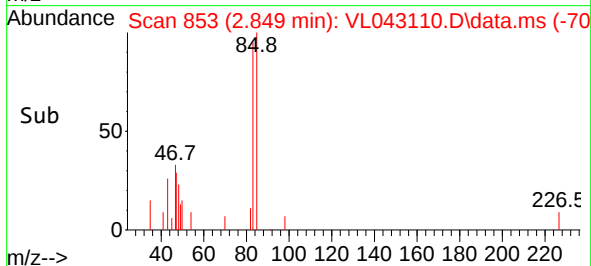
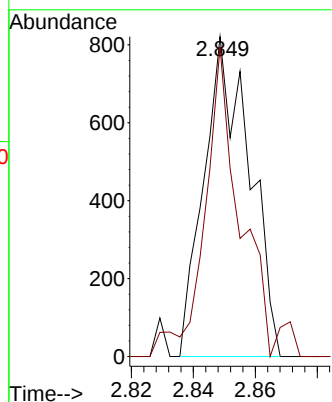
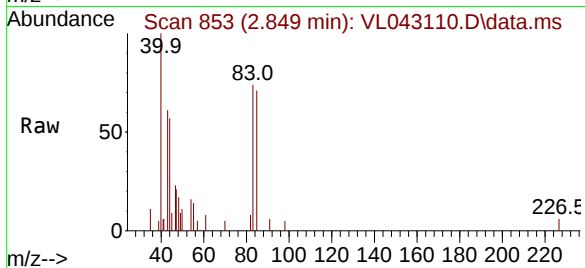
VSTDIC0.03

Tgt Ion: 83 Resp: 839

Ion Ratio Lower Upper

83 100

85 90.7 51.8 77.6#



#30

Cyclohexane

Concen: 0.021 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

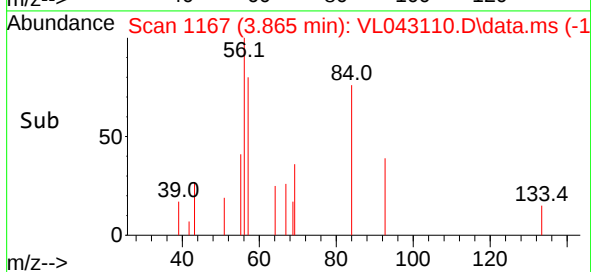
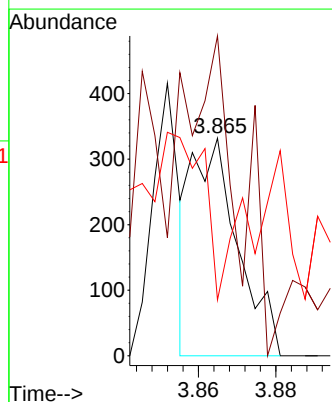
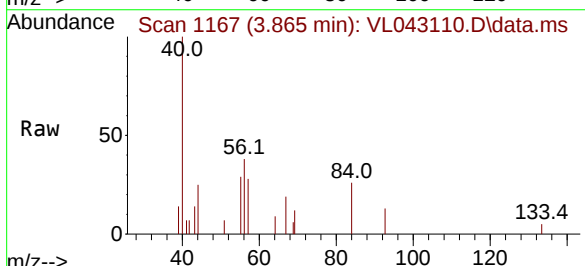
Tgt Ion: 84 Resp: 276

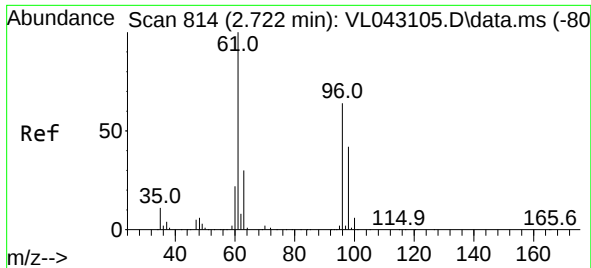
Ion Ratio Lower Upper

84 100

56 324.3 100.9 151.3#

41 0.0 63.8 95.6#

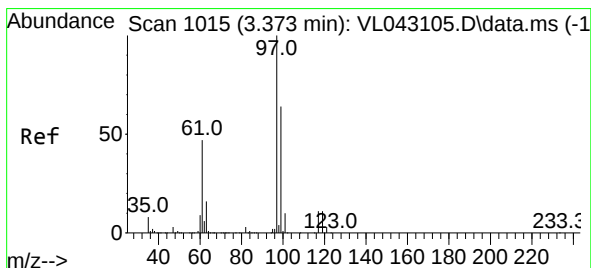
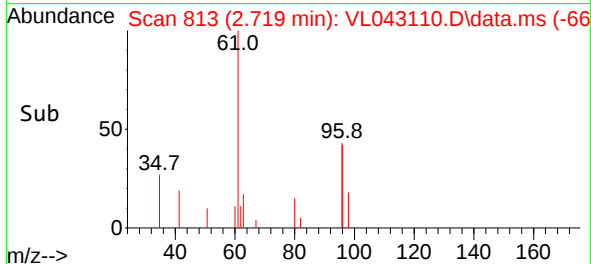
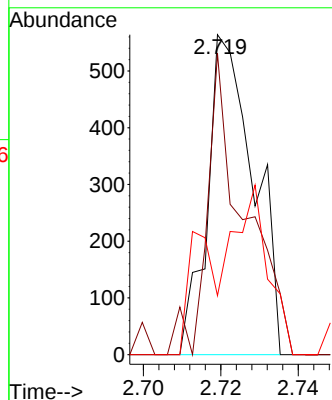
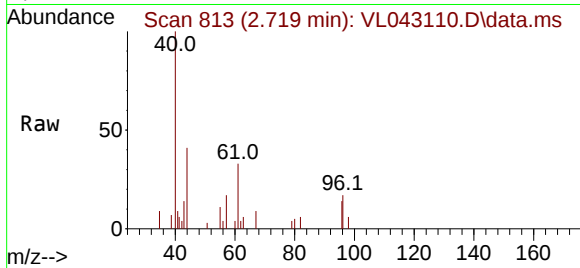




#31
 cis-1,2-Dichloroethene
 Concen: 0.032 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

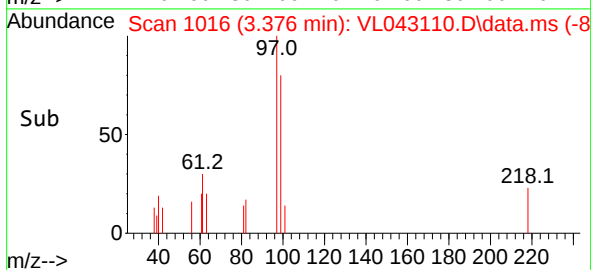
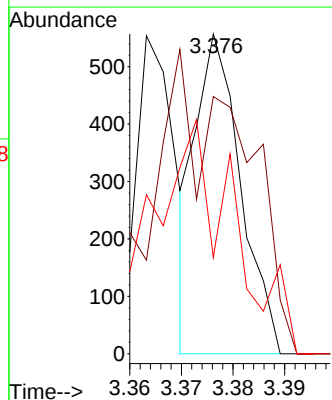
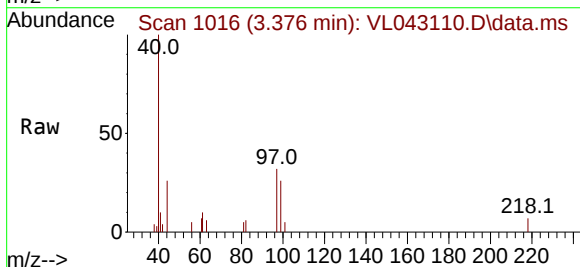
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

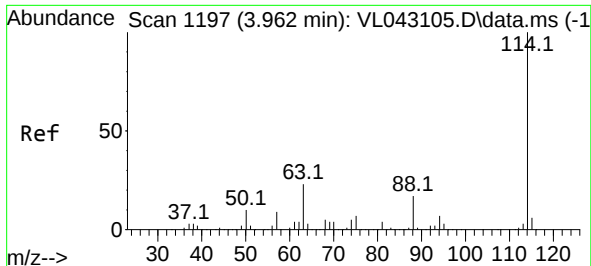
Tgt Ion:	61	Resp:	467
Ion	Ratio	Lower	Upper
61	100		
96	79.3	51.0	76.6#
98	18.4	33.5	50.3#



#32
 1,1,1-Trichloroethane
 Concen: 0.014 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. 0.003 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

Tgt Ion:	97	Resp:	336
Ion	Ratio	Lower	Upper
97	100		
99	185.7	51.3	76.9#
61	149.7	38.4	57.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

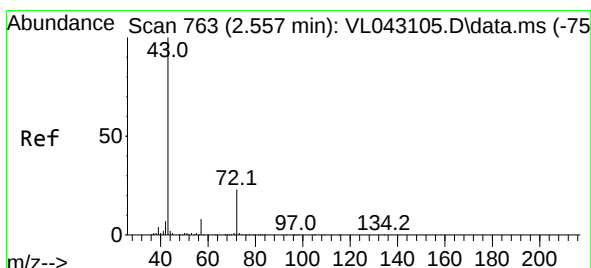
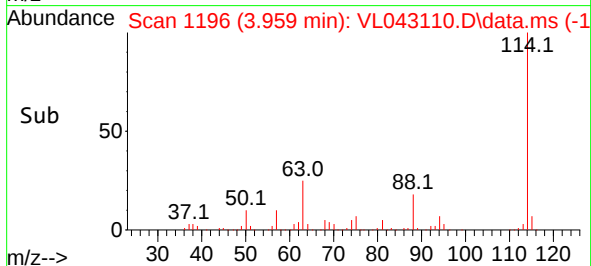
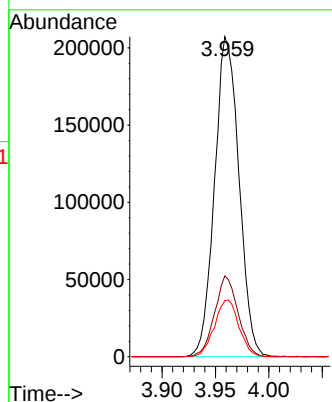
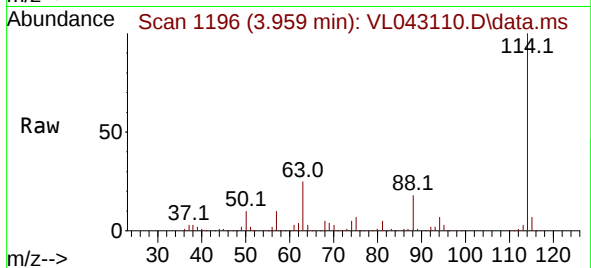
Tgt Ion:114 Resp: 328897

Ion Ratio Lower Upper

114 100

63 24.3 19.3 28.9

88 17.8 13.9 20.9



#34

2-Butanone

Concen: 0.041 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.006 min

Lab File: VL043110.D

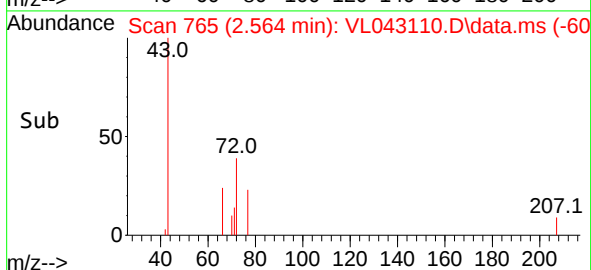
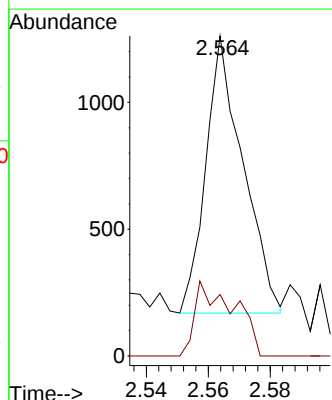
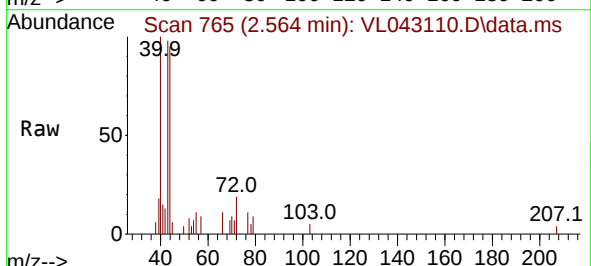
Acq: 14 Oct 2025 13:42

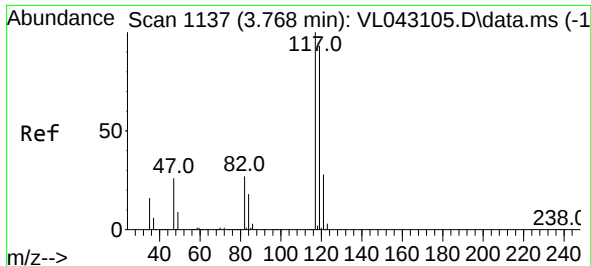
Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

72 28.4 18.4 27.6#

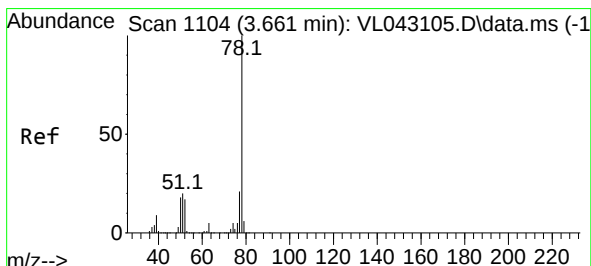
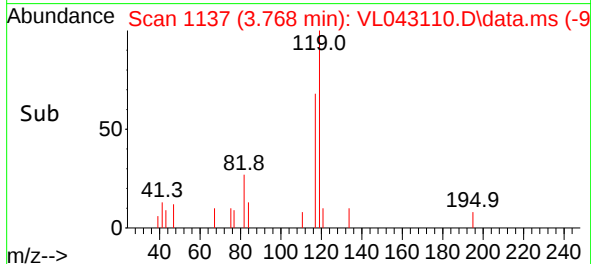
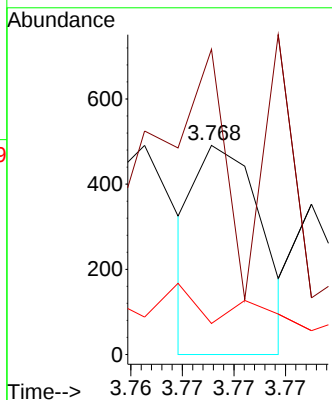
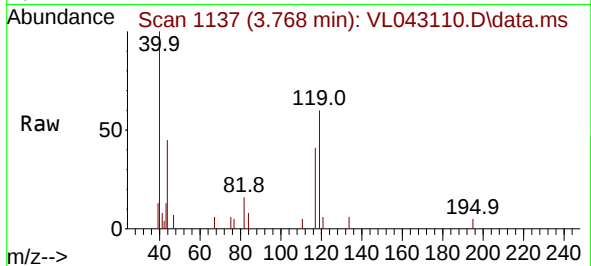




#35
Carbon Tetrachloride
Concen: 0.009 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

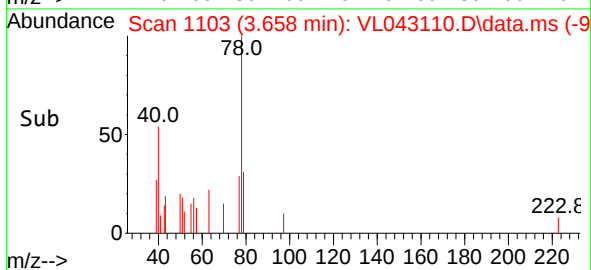
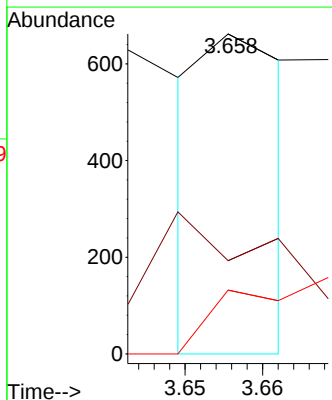
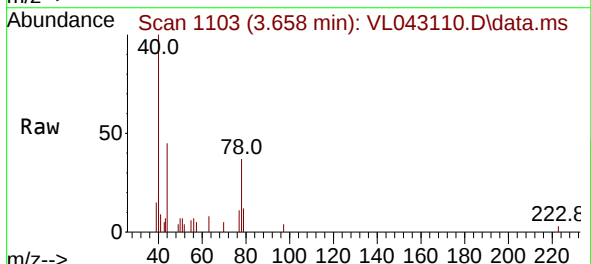
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

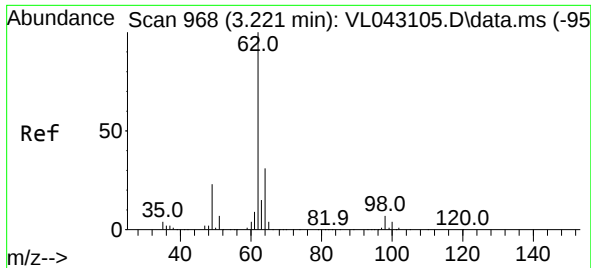
Tgt Ion:117 Resp: 216
Ion Ratio Lower Upper
117 100
119 74.1 74.1 111.1
121 0.0 22.2 33.2#



#36
Benzene
Concen: 0.008 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 78 Resp: 246
Ion Ratio Lower Upper
78 100
77 0.0 17.0 25.6#
50 244.4 14.6 22.0#

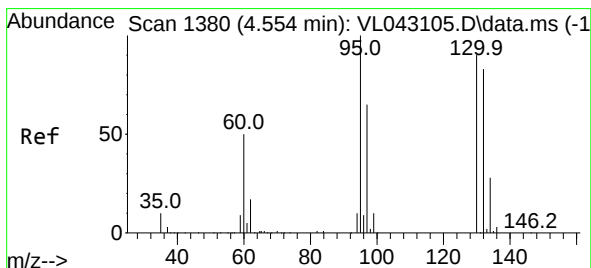
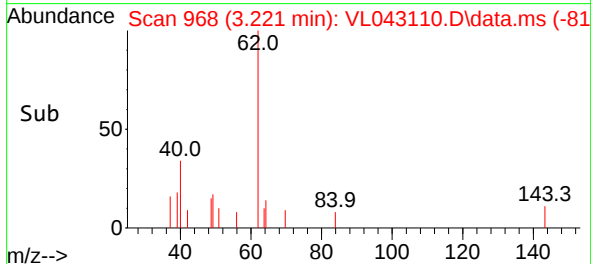
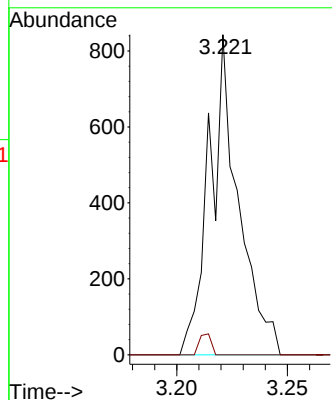
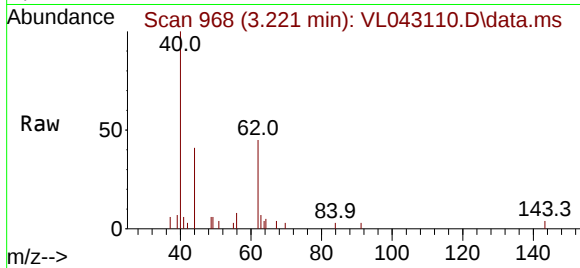




#37
1,2-Dichloroethane
Concen: 0.043 ppbv
RT: 3.221 min Scan# 968
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

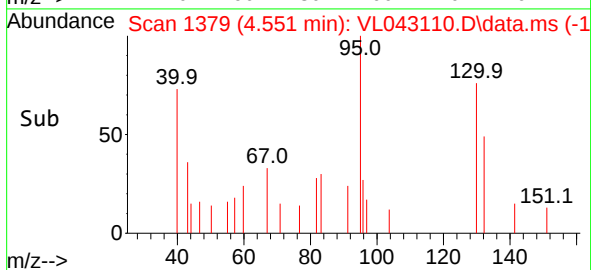
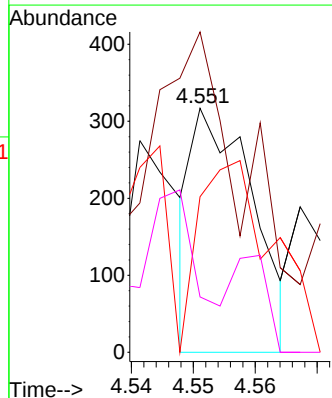
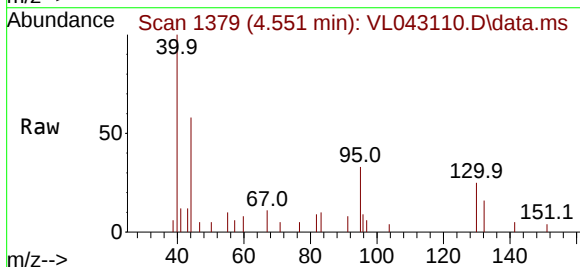
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

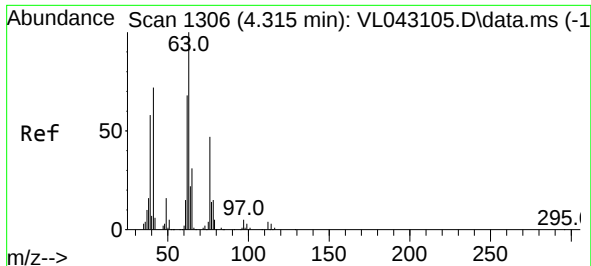
Tgt Ion: 62 Resp: 772
Ion Ratio Lower Upper
62 100
98 2.7 5.8 8.6#



#38
Trichloroethene
Concen: 0.017 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:130 Resp: 216
Ion Ratio Lower Upper
130 100
95 136.6 88.6 133.0#
132 90.2 73.4 110.0
97 32.1 57.8 86.6#





#39

1,2-Dichloropropane

Concen: 7.052 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.356 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

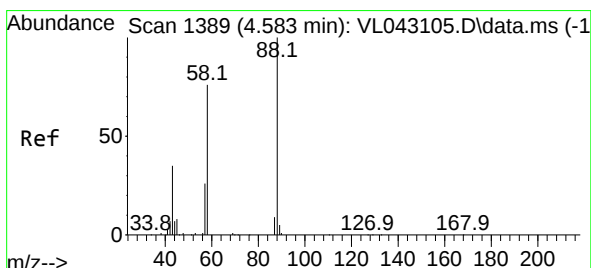
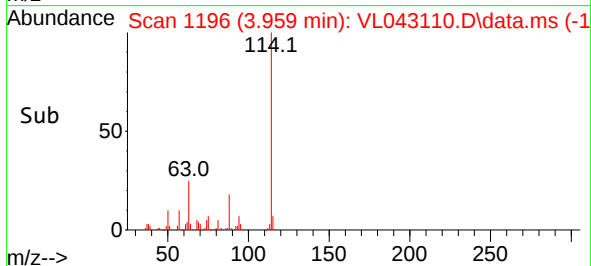
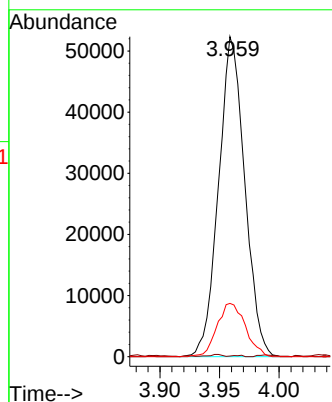
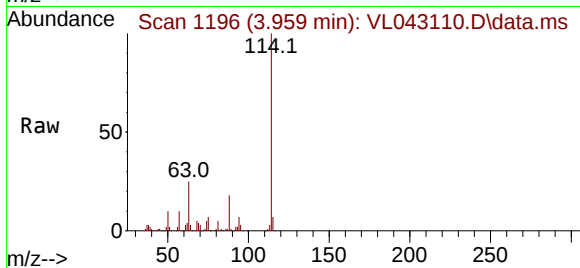
Tgt Ion: 63 Resp: 79938

Ion Ratio Lower Upper

63 100

41 0.2 58.0 87.0#

62 16.7 54.7 82.1#



#40

1,4-Dioxane

Concen: 0.007 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.026 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Tgt Ion: 88 Resp: 33

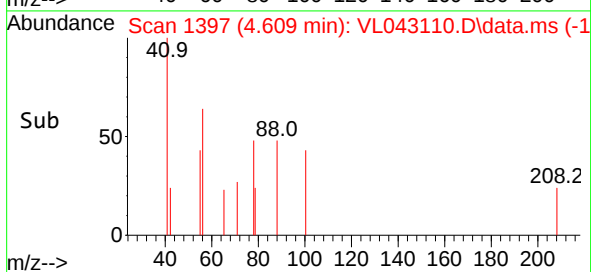
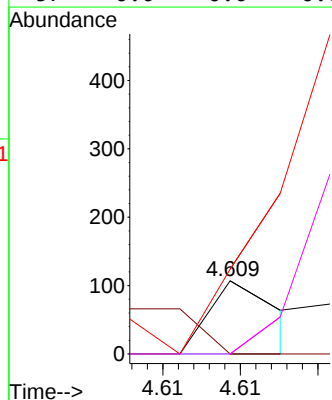
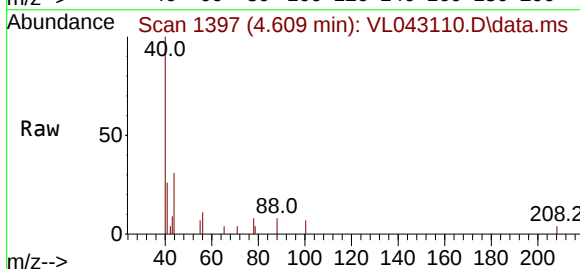
Ion Ratio Lower Upper

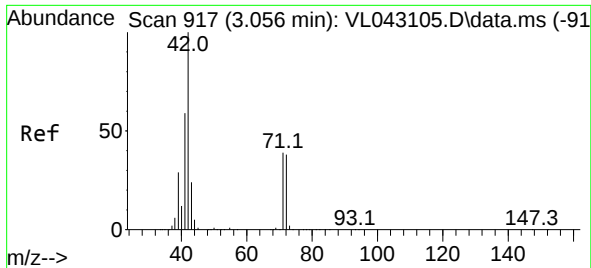
88 100

58 0.0 61.1 91.7#

43 303.0 24.0 36.0#

57 0.0 0.0 0.0

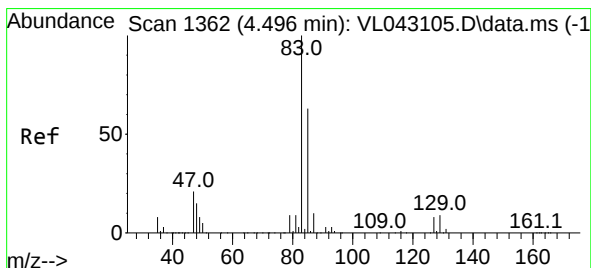
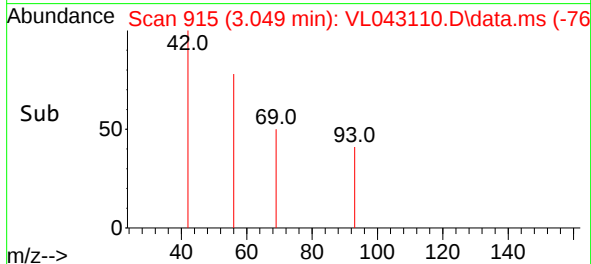
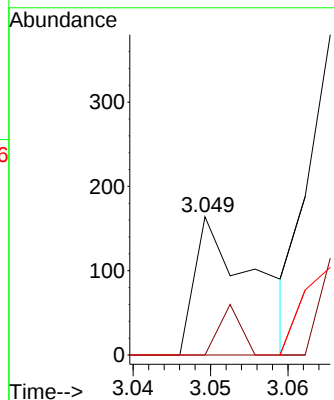
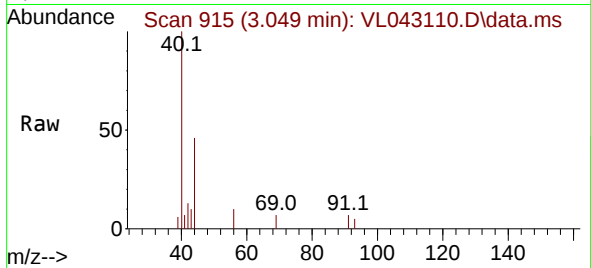




#41
Tetrahydrofuran
Concen: 0.007 ppbv
RT: 3.049 min Scan# 917
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

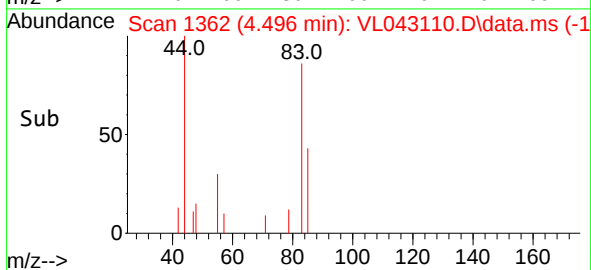
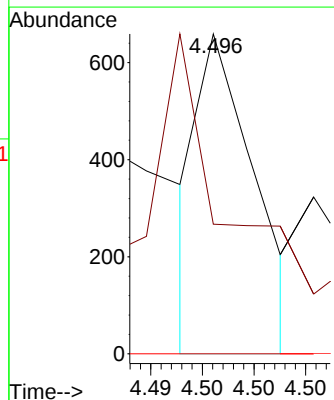
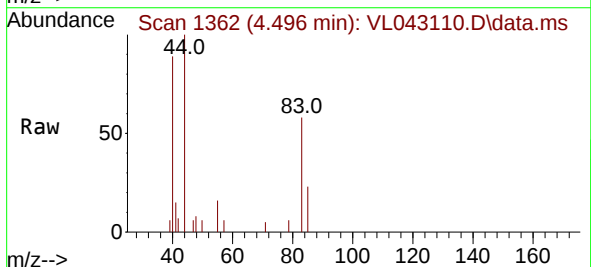
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

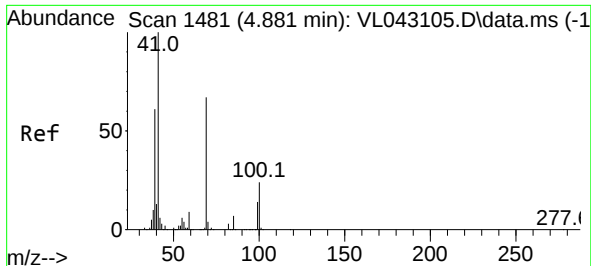
Tgt Ion: 42 Resp: 87
Ion Ratio Lower Upper
42 100
72 0.0 31.3 46.9#
71 0.0 30.4 45.6#



#42
Bromodichloromethane
Concen: 0.010 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 83 Resp: 250
Ion Ratio Lower Upper
83 100
85 0.9 50.6 75.8#
127 0.0 6.3 9.5#

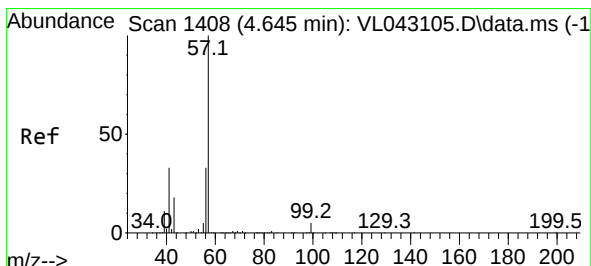
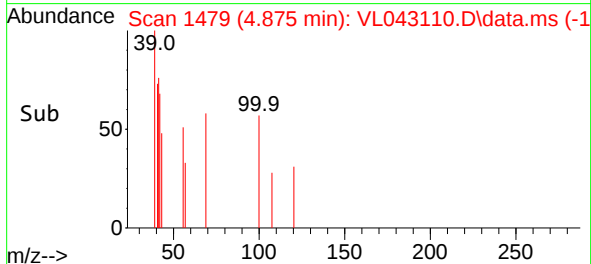
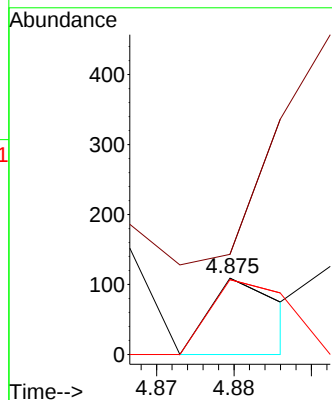
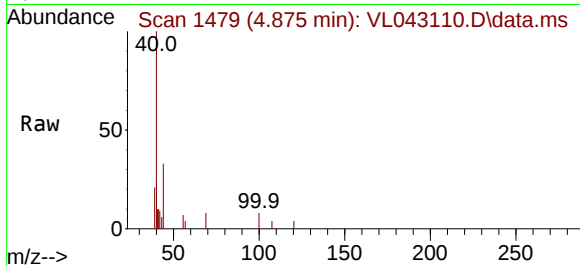




#43
Methyl Methacrylate
Concen: 0.002 ppbv
RT: 4.875 min Scan# 1481
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

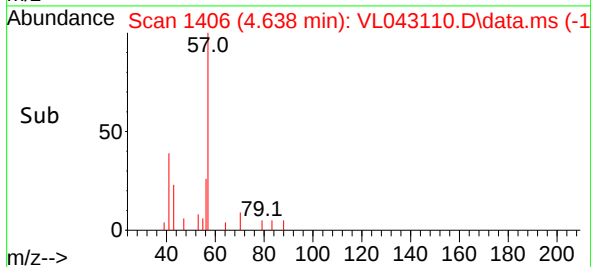
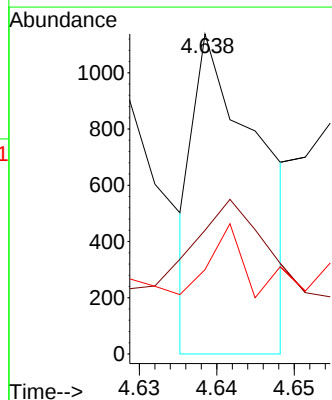
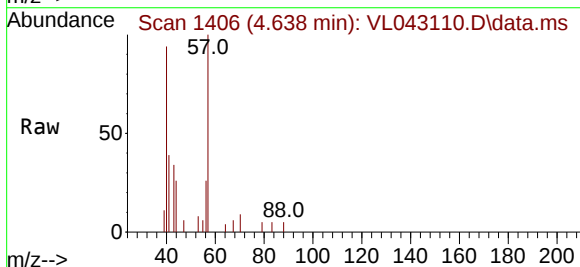
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

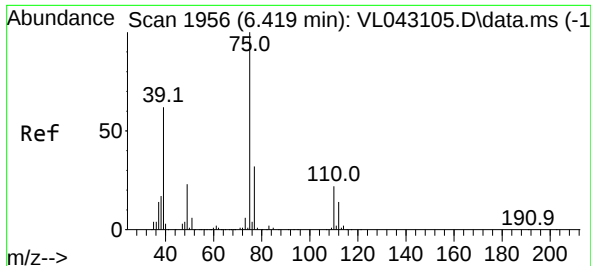
Tgt Ion: 69 Resp: 36
Ion Ratio Lower Upper
69 100
41 0.0 120.5 180.7#
100 0.0 29.0 43.4#



#44
2,2,4-Trimethylpentane
Concen: 0.013 ppbv
RT: 4.638 min Scan# 1406
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 57 Resp: 669
Ion Ratio Lower Upper
57 100
41 234.7 26.3 39.5#
56 122.3 25.9 38.9#

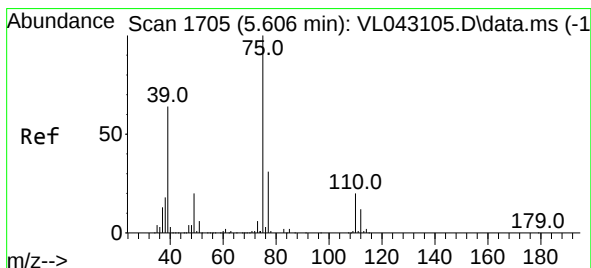
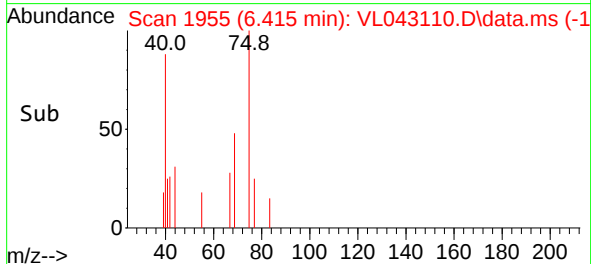
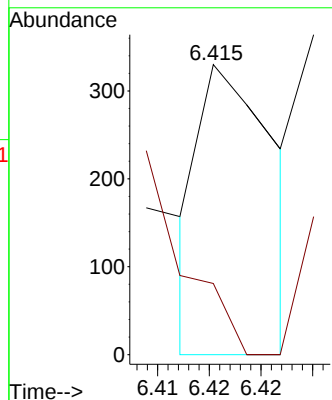
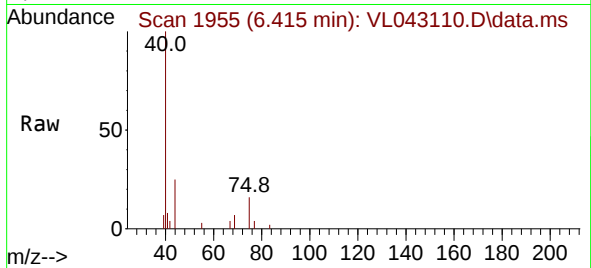




#45
 t-1,3-Dichloropropene
 Concen: 0.010 ppbv
 RT: 6.415 min Scan# 1955
 Delta R.T. -0.003 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

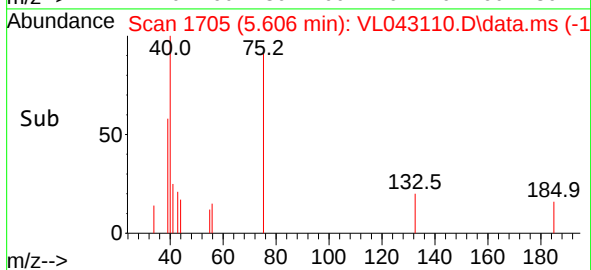
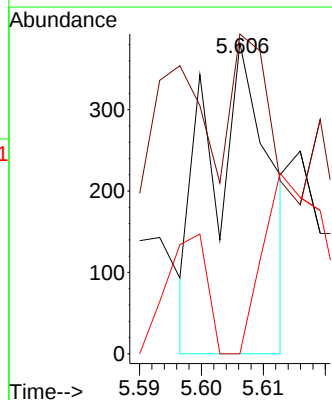
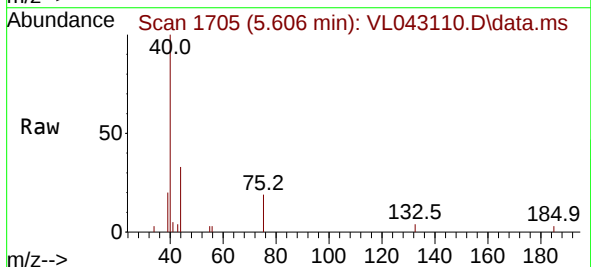
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

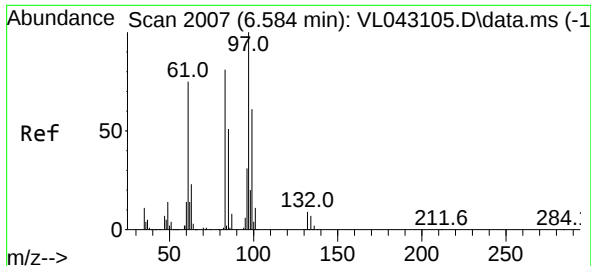
Tgt Ion: 75 Resp: 165
 Ion Ratio Lower Upper
 75 100
 77 24.5 25.4 38.2#



#46
 cis-1,3-Dichloropropene
 Concen: 0.014 ppbv
 RT: 5.606 min Scan# 1705
 Delta R.T. -0.000 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

Tgt Ion: 75 Resp: 261
 Ion Ratio Lower Upper
 75 100
 39 62.3 51.0 76.6
 77 0.0 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.008 ppbv

RT: 6.577 min Scan# 2007

Delta R.T. -0.007 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 98

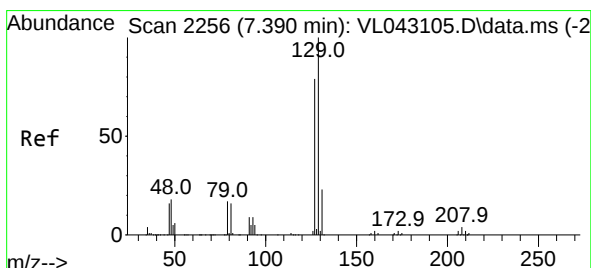
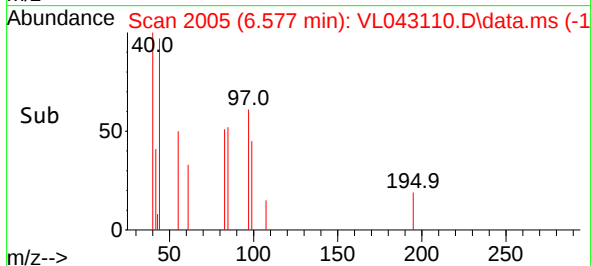
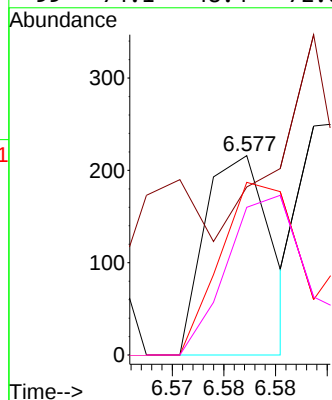
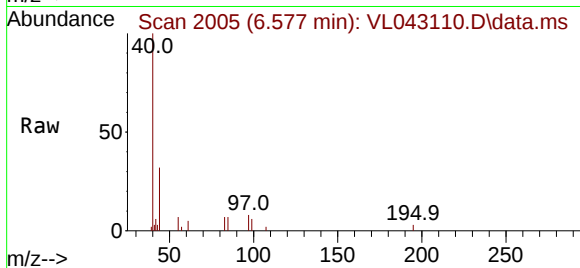
Ion Ratio Lower Upper

97 100

83 0.0 64.6 96.8#

85 86.6 40.6 60.8#

99 74.1 48.4 72.6#



#48

Dibromochloromethane

Concen: 0.009 ppbv

RT: 7.390 min Scan# 2256

Delta R.T. -0.000 min

Lab File: VL043110.D

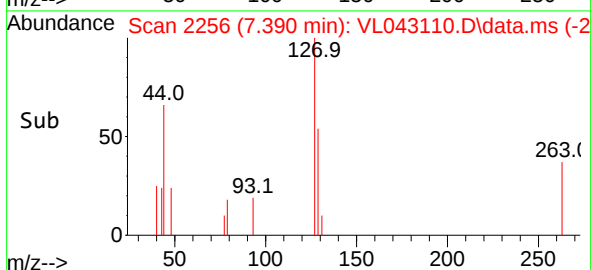
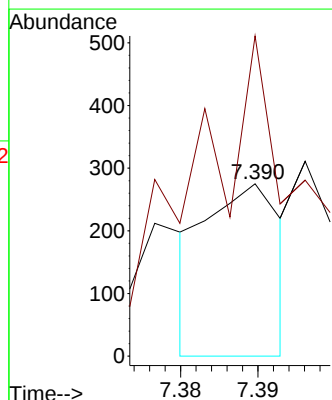
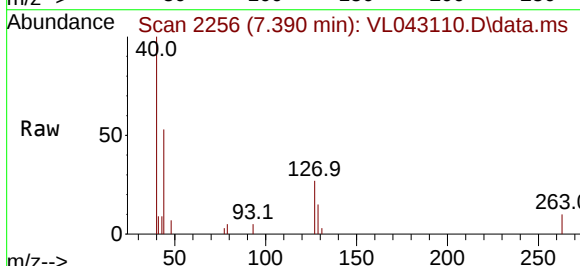
Acq: 14 Oct 2025 13:42

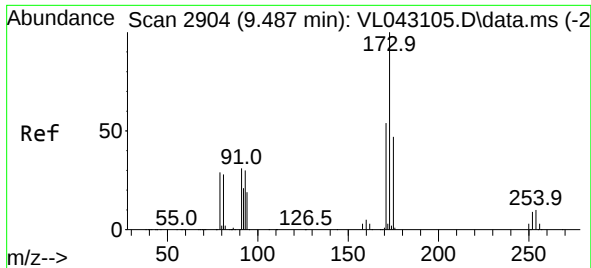
Tgt Ion: 129 Resp: 186

Ion Ratio Lower Upper

129 100

127 311.3 39.3 117.9#





#49

Bromoform

Concen: 0.019 ppbv

RT: 9.480 min Scan# 2904

Delta R.T. -0.007 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

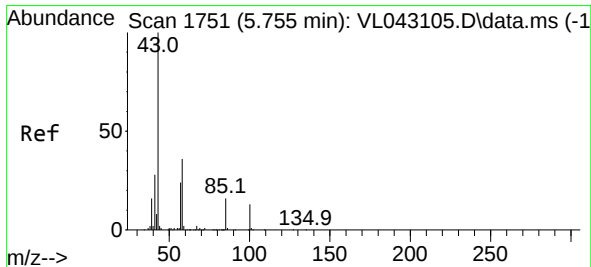
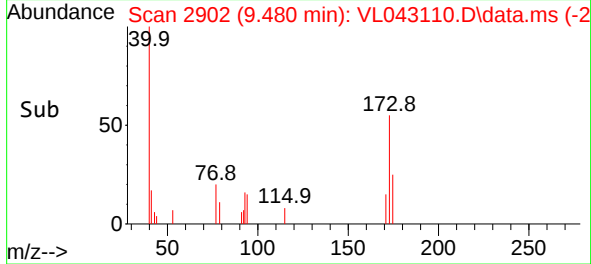
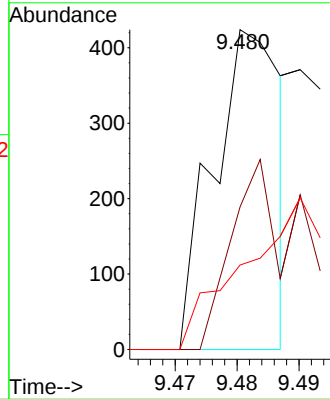
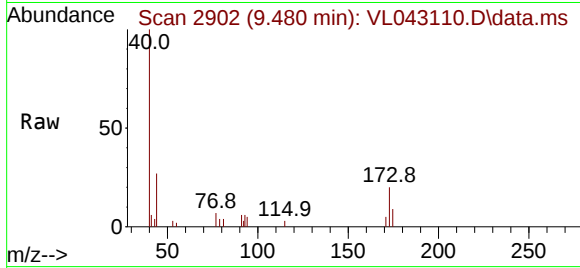
Tgt Ion:173 Resp: 323

Ion Ratio Lower Upper

173 100

175 56.3 38.8 58.2

171 0.0 41.7 62.5#



#50

4-Methyl-2-Pentanone

Concen: 0.009 ppbv

RT: 5.762 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VL043110.D

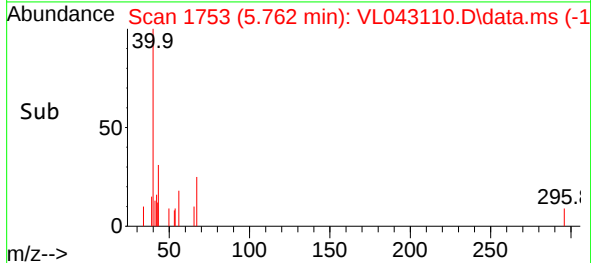
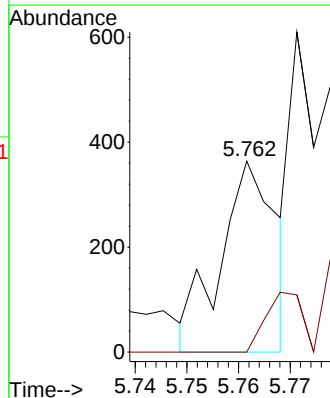
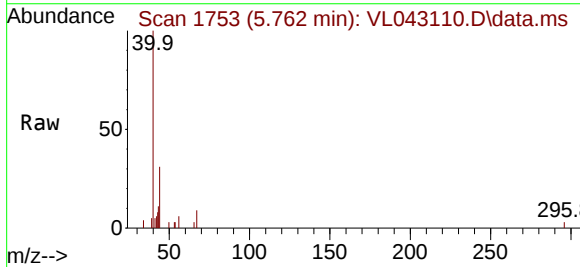
Acq: 14 Oct 2025 13:42

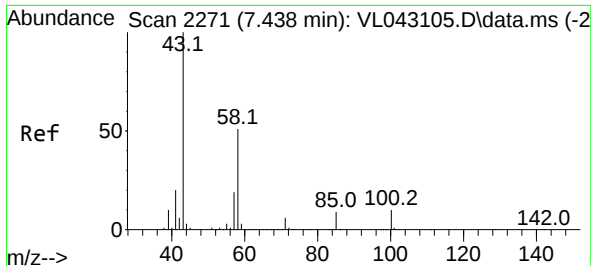
Tgt Ion: 43 Resp: 271

Ion Ratio Lower Upper

43 100

58 0.0 29.1 43.7#

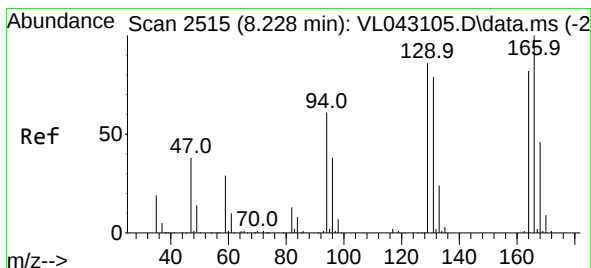
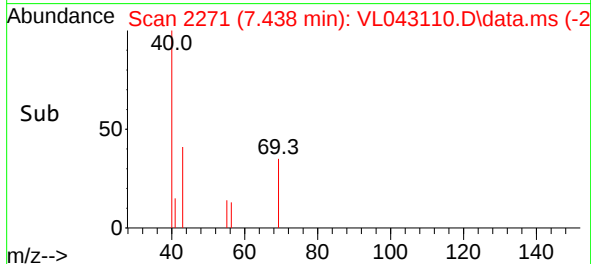
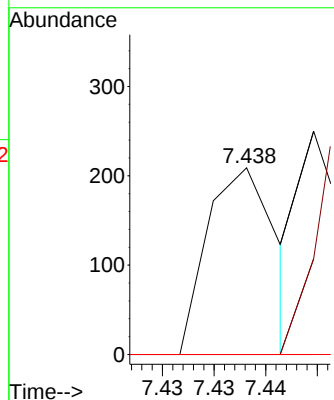
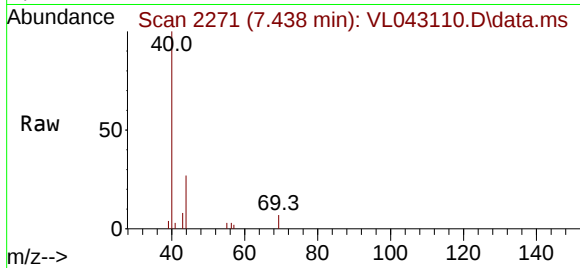




#51
2-Hexanone
Concen: 0.004 ppbv
RT: 7.438 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

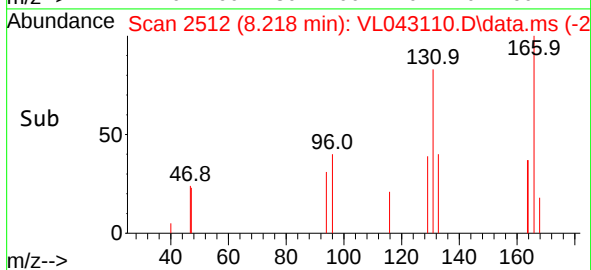
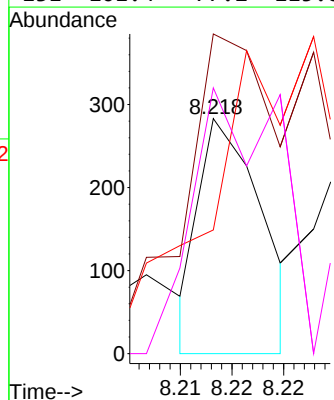
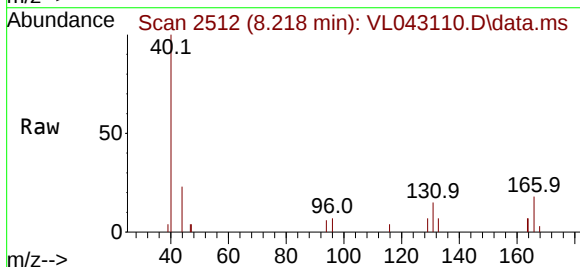
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

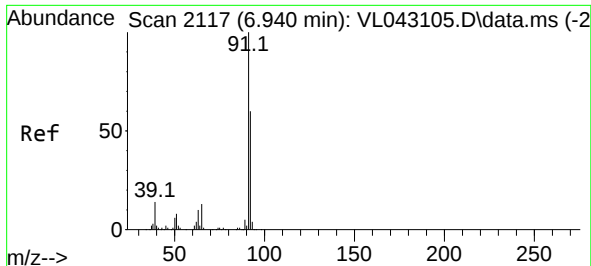
Tgt Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
58 0.0 40.4 60.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.011 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 164 Resp: 120
Ion Ratio Lower Upper
164 100
166 125.2 97.6 146.4
129 8.9 84.5 126.7#
131 101.4 77.2 115.8

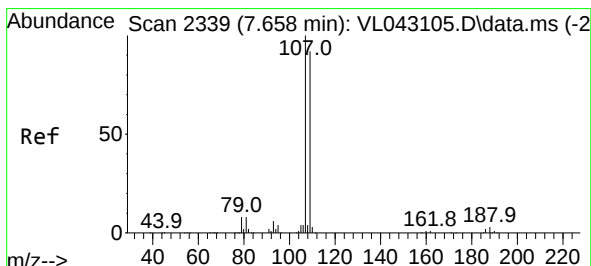
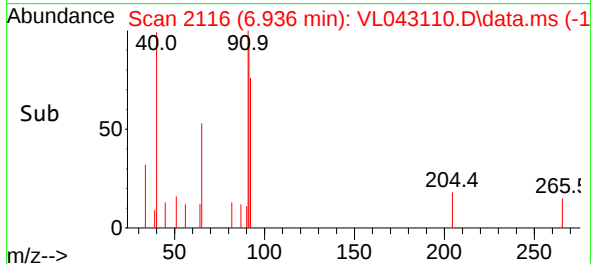
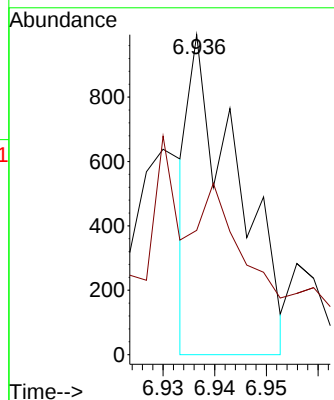
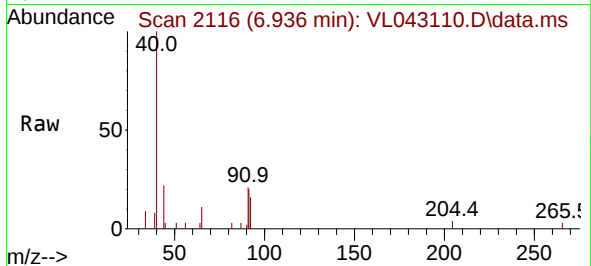




#53
Toluene
Concen: 0.017 ppbv
RT: 6.936 min Scan# 2116
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

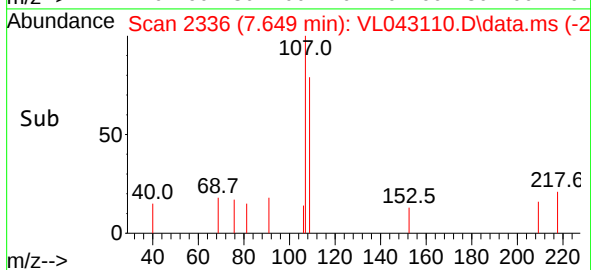
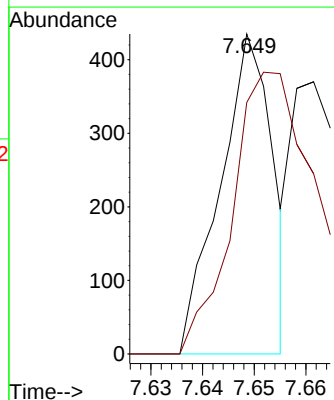
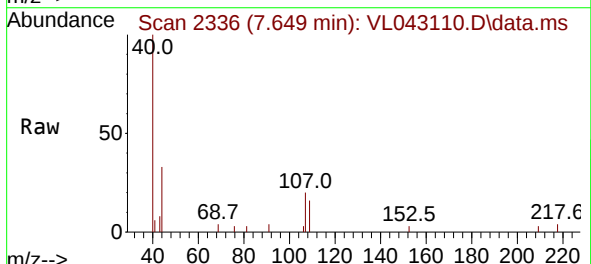
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

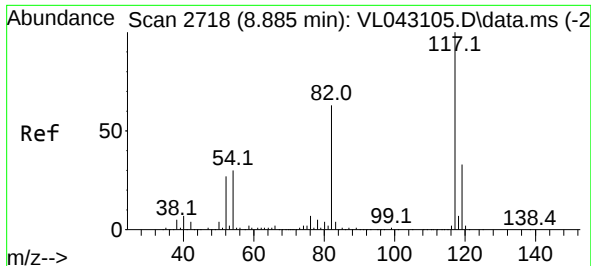
Tgt Ion: 91 Resp: 632
Ion Ratio Lower Upper
91 100
92 0.0 48.8 73.2#



#54
1,2-Dibromoethane
Concen: 0.016 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 107 Resp: 308
Ion Ratio Lower Upper
107 100
109 78.6 73.4 110.2

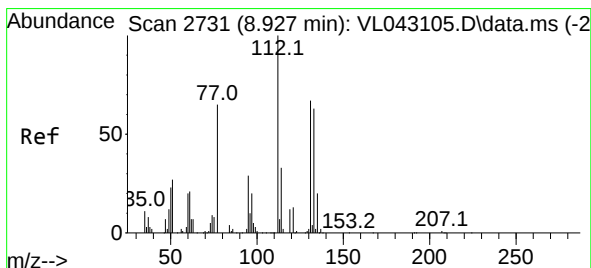
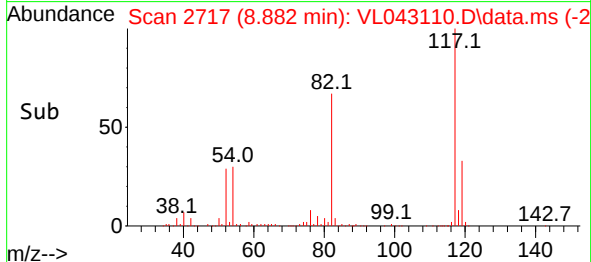
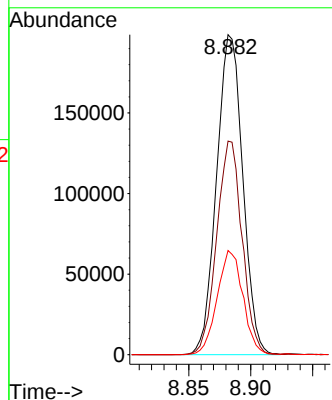
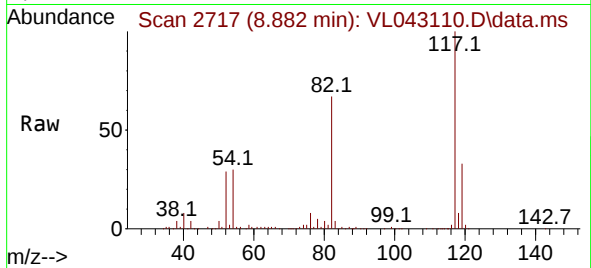




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2718
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

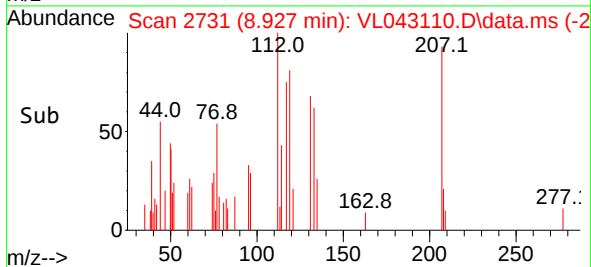
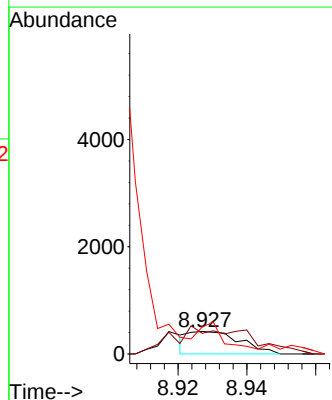
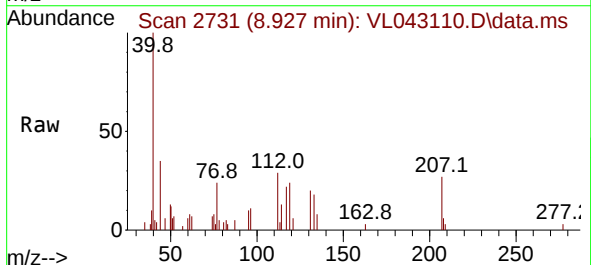
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

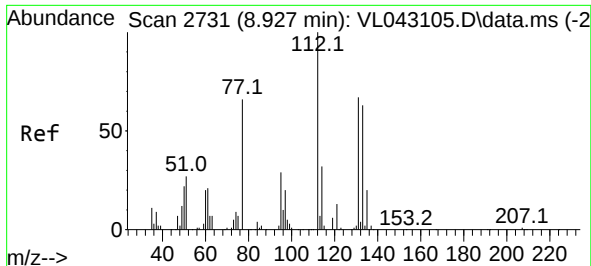
Tgt Ion:117 Resp: 292884
Ion Ratio Lower Upper
117 100
82 64.7 53.8 80.8
119 32.1 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.024 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:131 Resp: 441
Ion Ratio Lower Upper
131 100
133 181.0 75.7 113.5#
119 0.0 50.6 76.0#





#57

Chlorobenzene

Concen: 0.028 ppbv

RT: 8.921 min Scan# 21

Delta R.T. -0.007 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

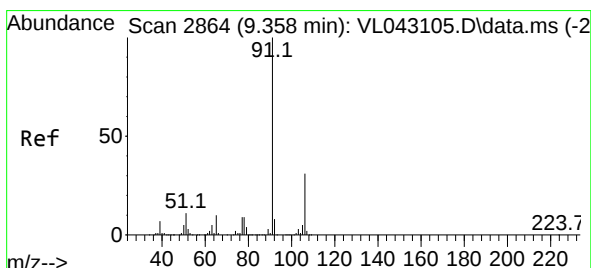
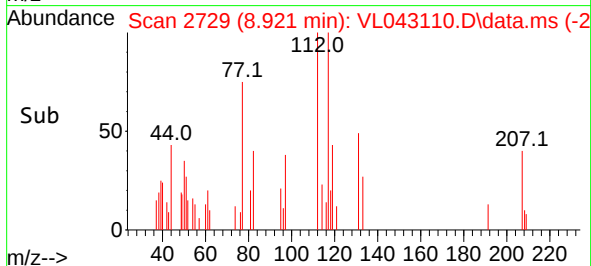
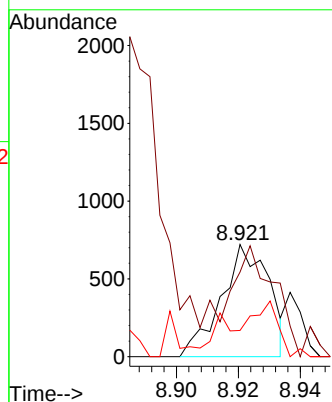
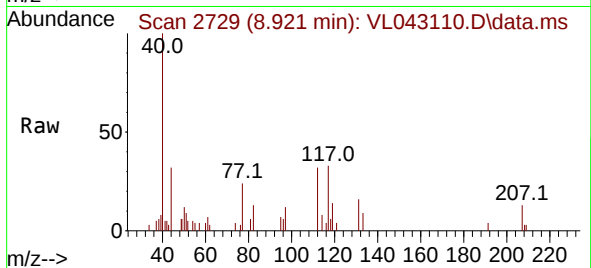
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion:112	Resp:	764
Ion	Ratio	Lower Upper
112	100	
77	33.7	53.3 79.9#
114	16.0	29.3 35.8#



#58

Ethyl Benzene

Concen: 0.024 ppbv

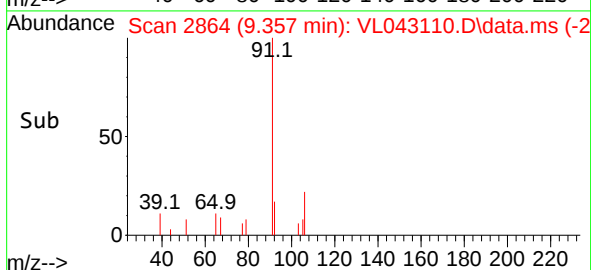
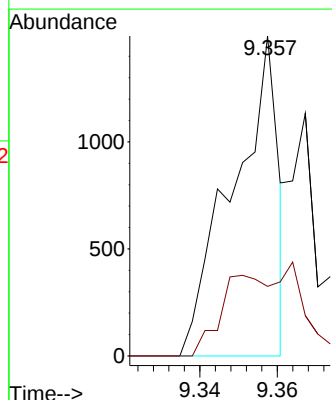
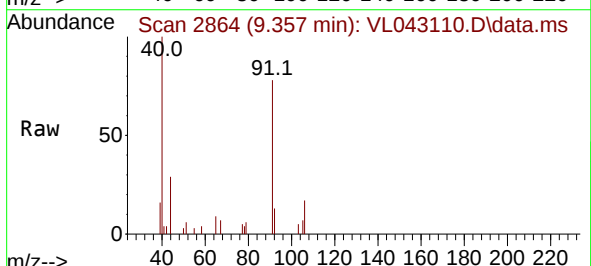
RT: 9.357 min Scan# 2864

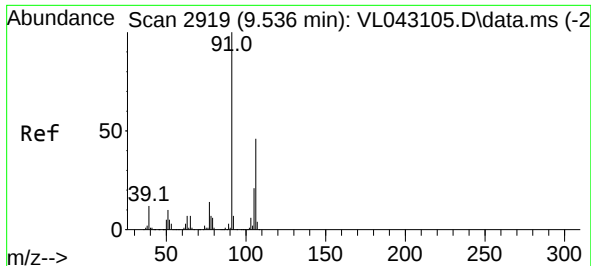
Delta R.T. -0.000 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Tgt Ion: 91	Resp:	1218
Ion	Ratio	Lower Upper
91	100	
106	21.7	24.8 37.2#





#59

m/p-Xylene

Concen: 0.019 ppbv

RT: 9.529 min Scan# 2919

Delta R.T. -0.007 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

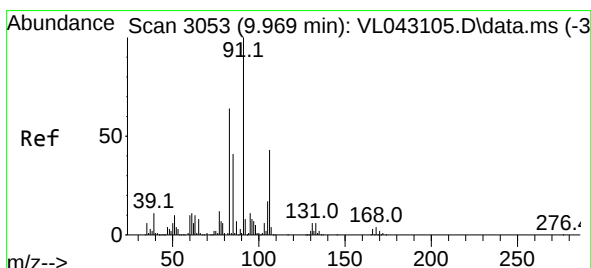
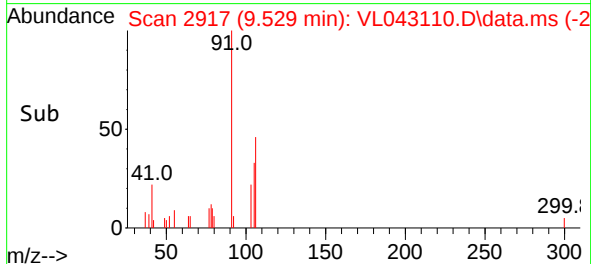
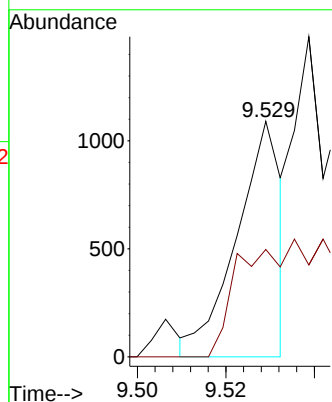
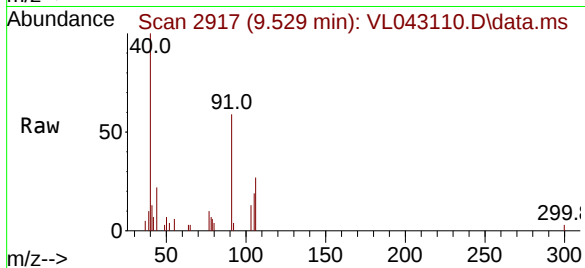
VSTDIC0.03

Tgt Ion: 91 Resp: 759

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#



#60

o-Xylene

Concen: 0.018 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL043110.D

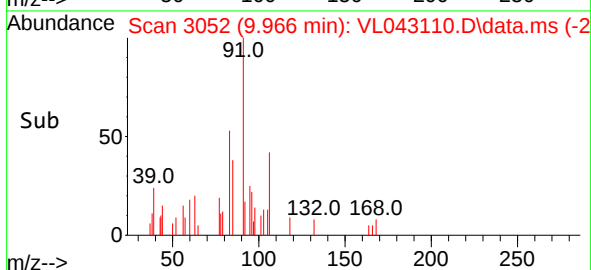
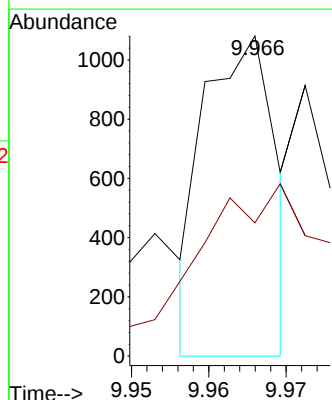
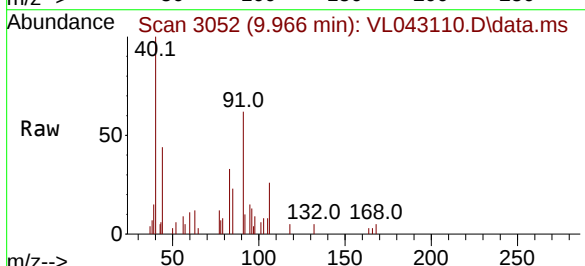
Acq: 14 Oct 2025 13:42

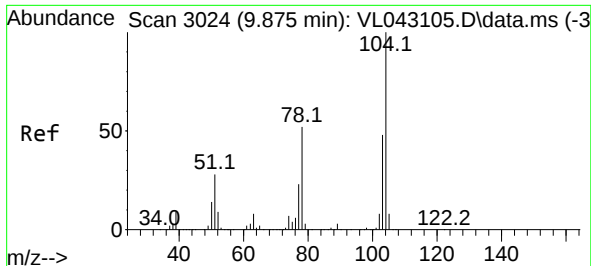
Tgt Ion: 91 Resp: 693

Ion Ratio Lower Upper

91 100

106 0.0 21.9 65.8#

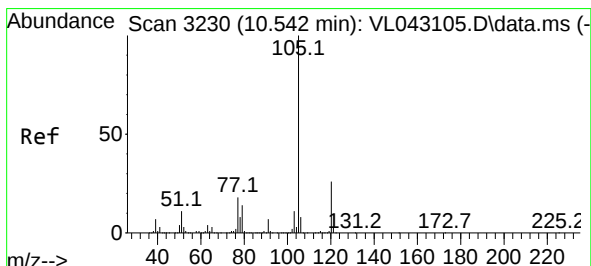
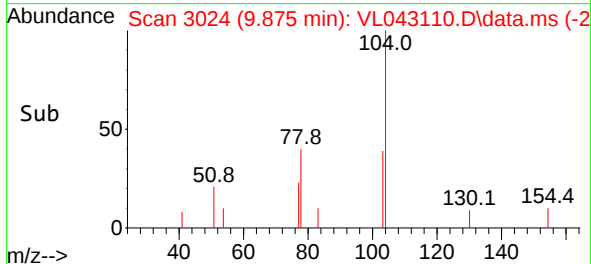
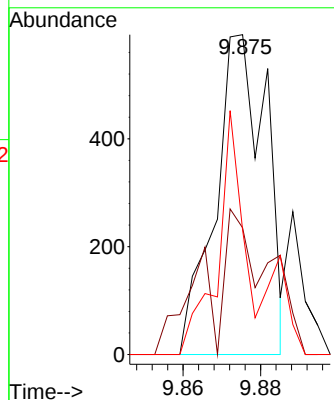
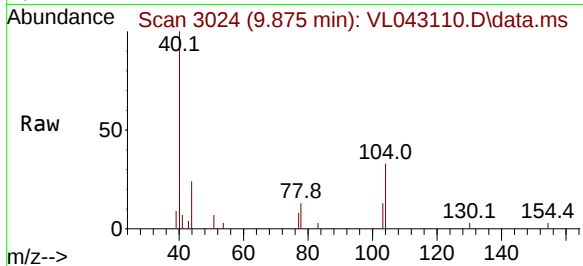




#61
Styrene
Concen: 0.030 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

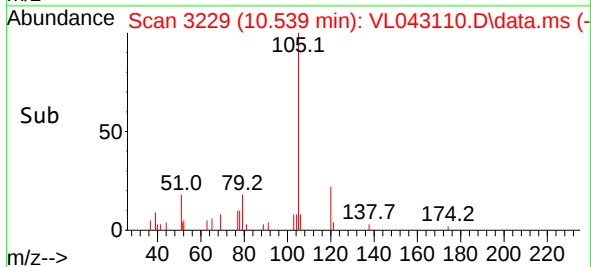
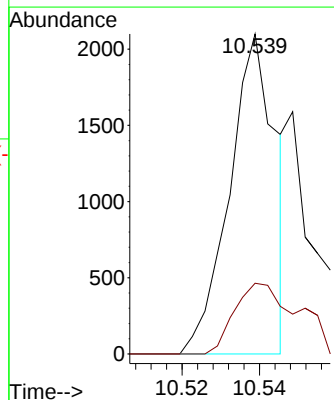
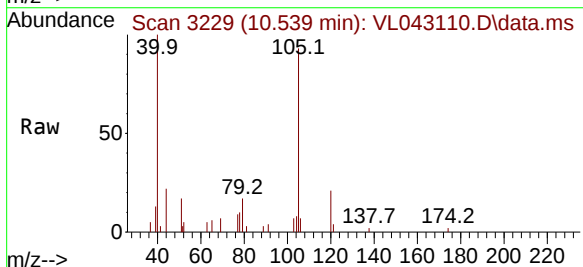
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

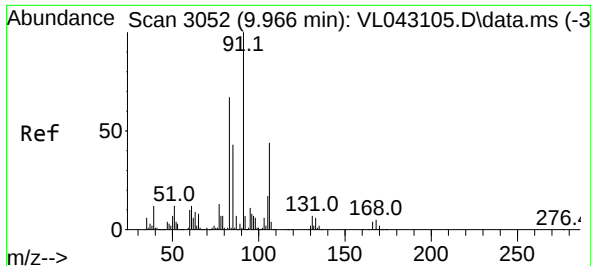
Tgt Ion:104 Resp: 538
Ion Ratio Lower Upper
104 100
78 61.7 40.2 60.2#
103 50.9 36.9 55.3



#62
Isopropylbenzene
Concen: 0.024 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:105 Resp: 1735
Ion Ratio Lower Upper
105 100
120 30.3 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.014 ppbv

RT: 9.960 min Scan# 3052

Delta R.T. -0.007 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

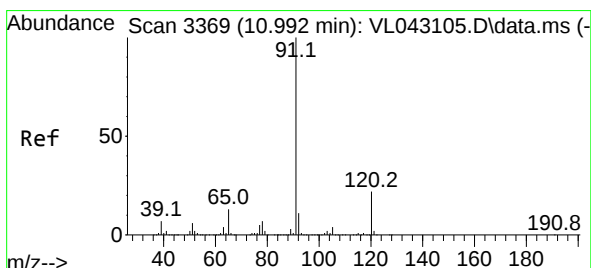
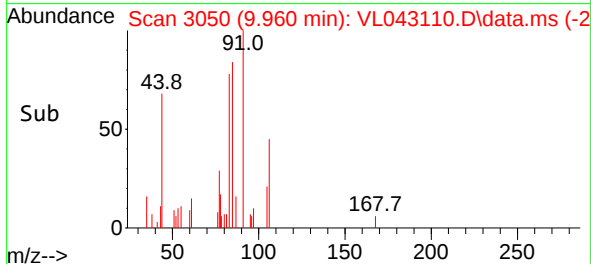
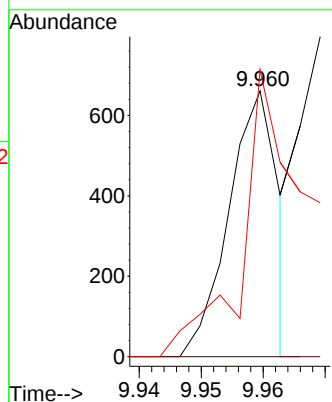
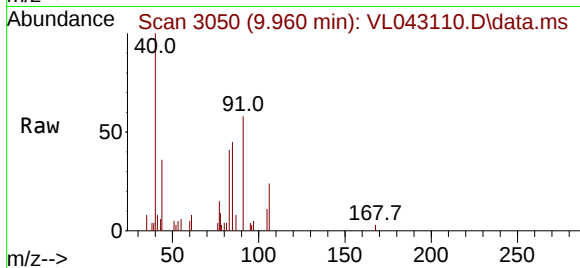
Tgt Ion: 83 Resp: 369

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 181.6 32.0 96.0#



#64

n-propylbenzene

Concen: 0.033 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.003 min

Lab File: VL043110.D

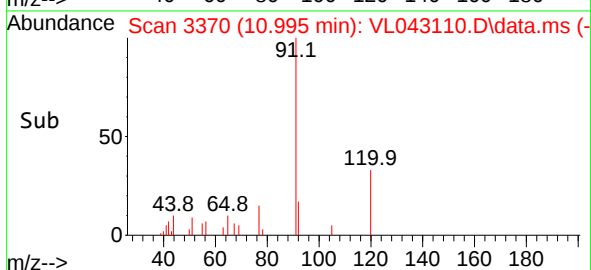
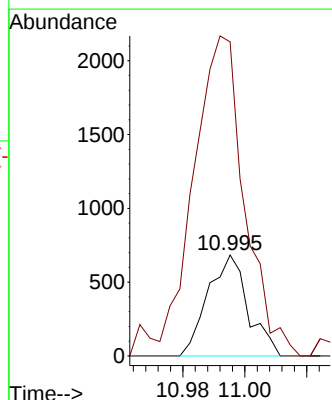
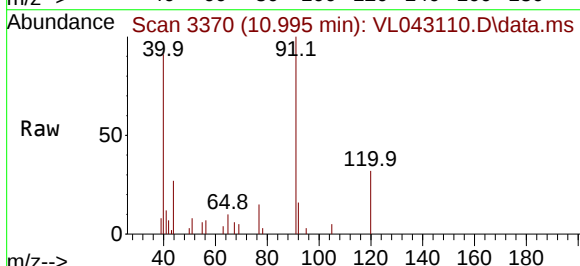
Acq: 14 Oct 2025 13:42

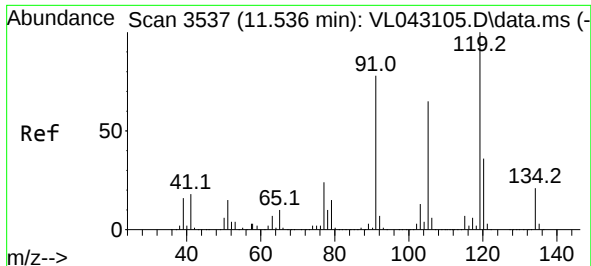
Tgt Ion: 120 Resp: 616

Ion Ratio Lower Upper

120 100

91 432.5 361.6 542.4

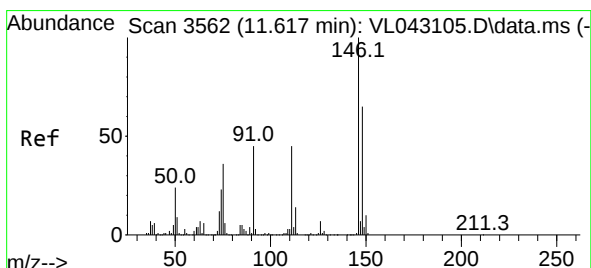
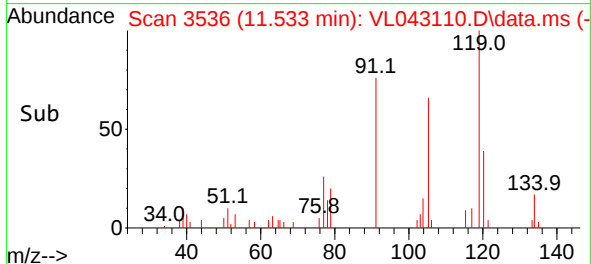
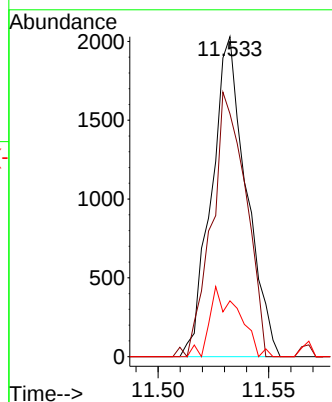
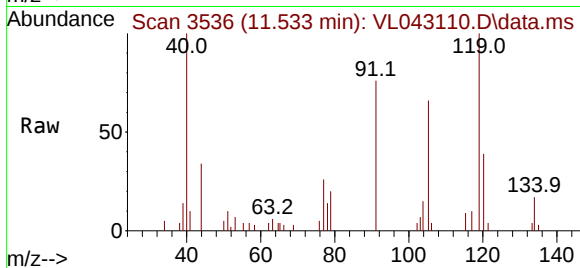




#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

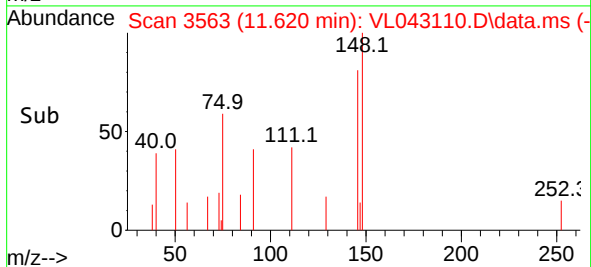
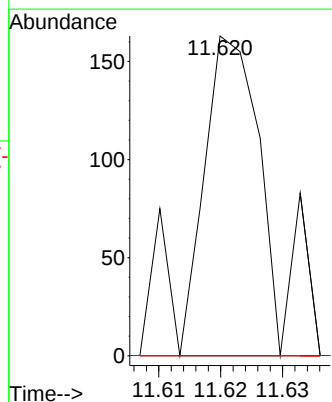
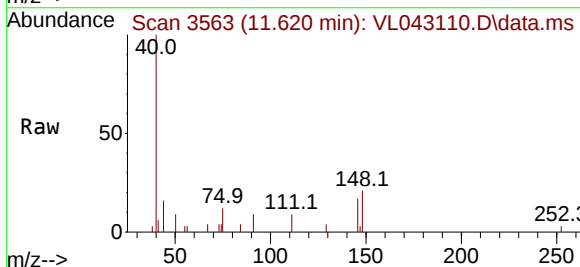
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

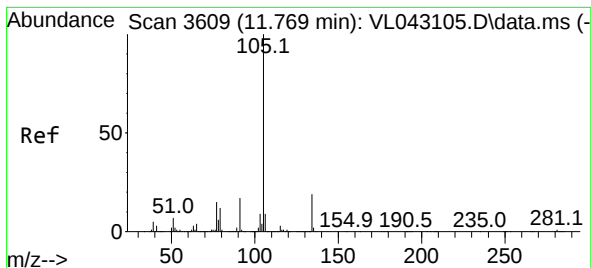
Tgt Ion:119 Resp: 2219
Ion Ratio Lower Upper
119 100
91 82.6 63.4 95.0
134 18.3 17.3 25.9



#66
Benzyl Chloride
Concen: 0.014 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 91 Resp: 98
Ion Ratio Lower Upper
91 100
126 0.0 14.6 22.0#
128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 0.035 ppbv

RT: 11.769 min Scan# 3170

Delta R.T. -0.000 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

Instrument :

MSVOA_L

ClientSampleId :

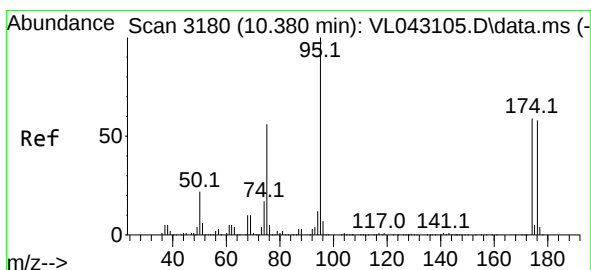
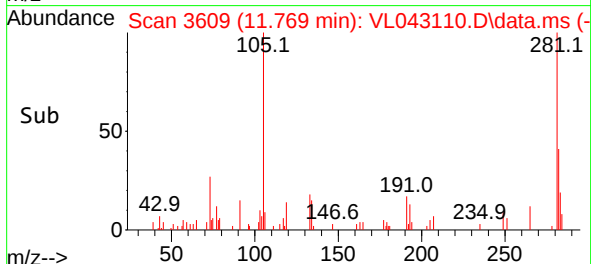
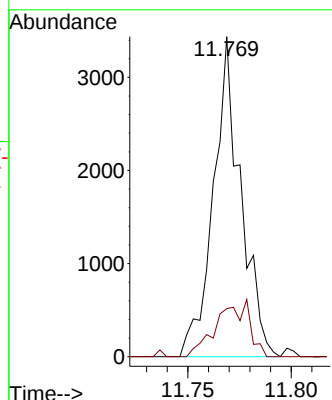
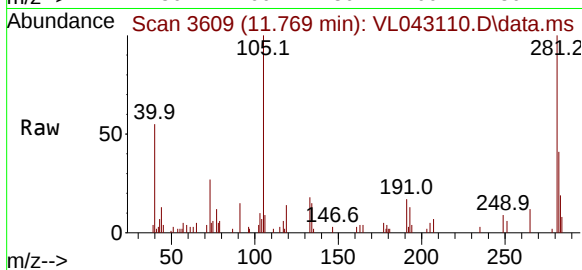
VSTDIC0.03

Tgt Ion:105 Resp: 3170

Ion Ratio Lower Upper

105 100

134 21.1 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 9.841 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. -0.003 min

Lab File: VL043110.D

Acq: 14 Oct 2025 13:42

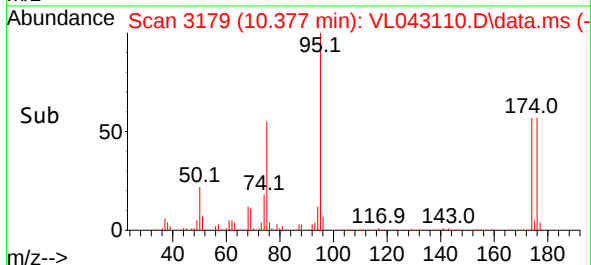
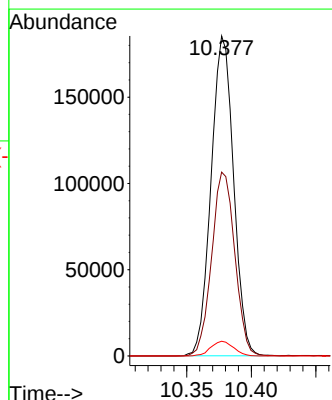
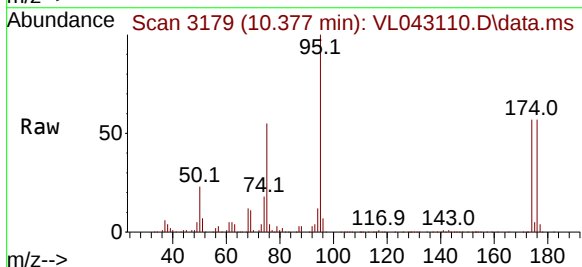
Tgt Ion: 95 Resp: 224043

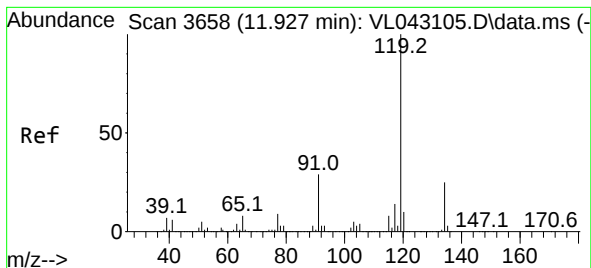
Ion Ratio Lower Upper

95 100

174 59.2 48.3 72.5

175 4.7 3.8 5.8

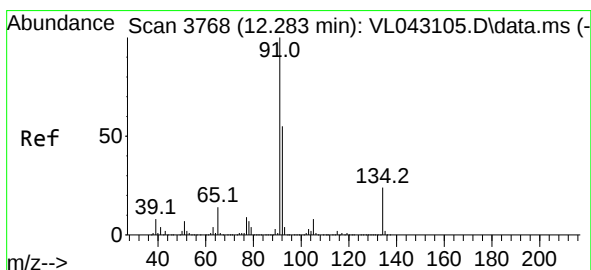
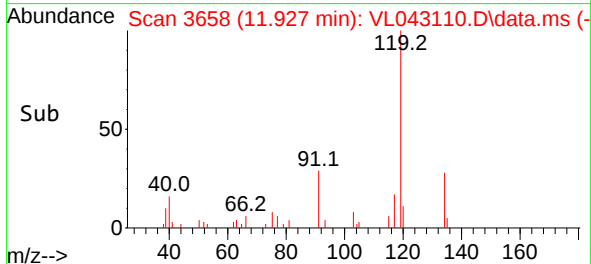
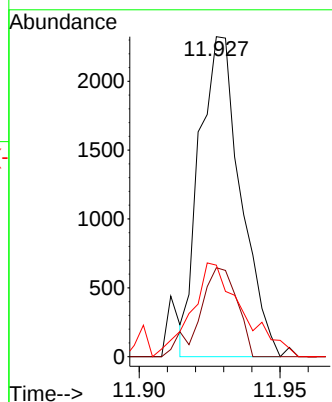
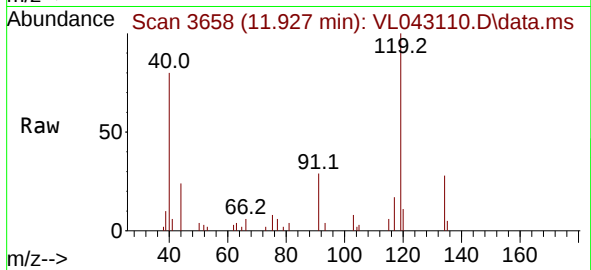




#69
 p-Isopropyltoluene
 Concen: 0.031 ppbv
 RT: 11.927 min Scan# 3658
 Delta R.T. -0.000 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

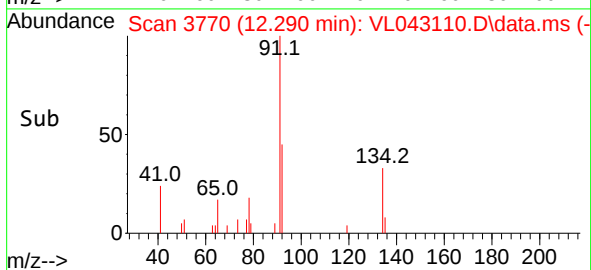
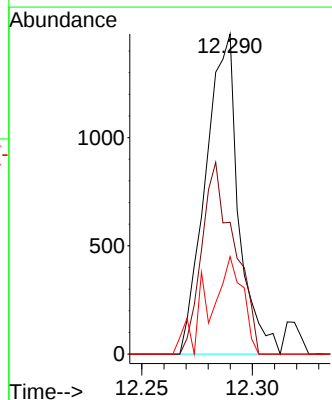
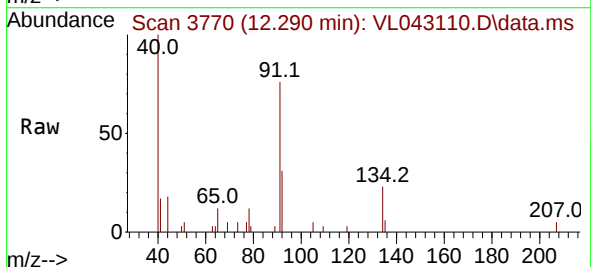
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

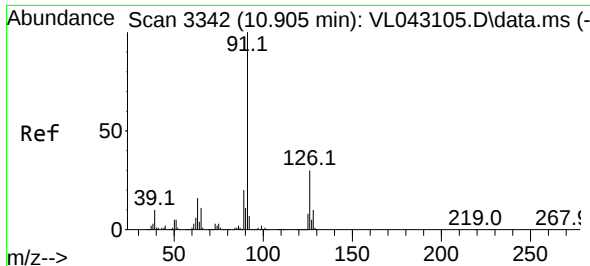
Tgt Ion: 119 Resp: 2370
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.3 30.5
 91 38.4 22.6 33.8#



#70
 n-Butylbenzene
 Concen: 0.020 ppbv
 RT: 12.290 min Scan# 3770
 Delta R.T. 0.006 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

Tgt Ion: 91 Resp: 1534
 Ion Ratio Lower Upper
 91 100
 92 59.6 44.5 66.7
 134 31.5 19.3 28.9#

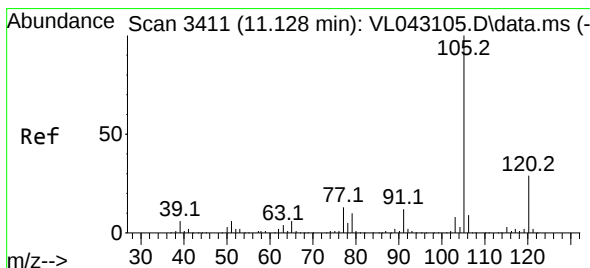
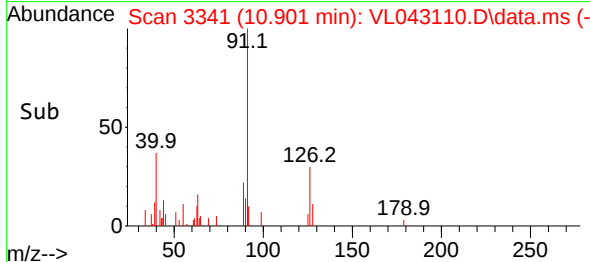
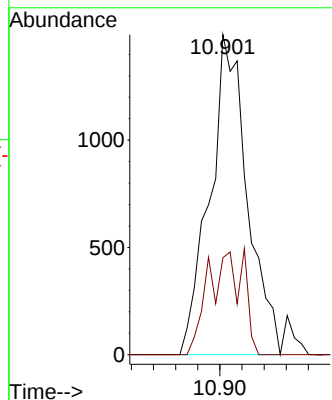
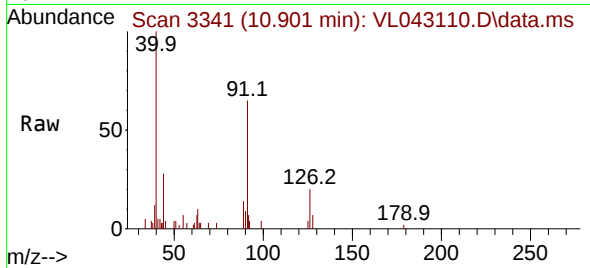




#71
2-Chlorotoluene
Concen: 0.032 ppbv
RT: 10.901 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

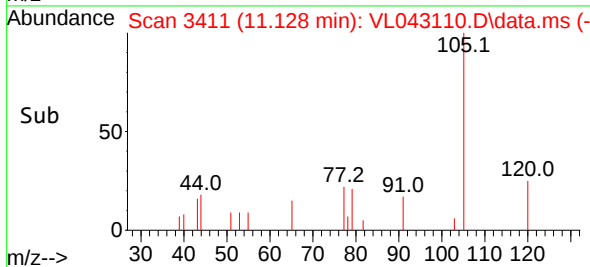
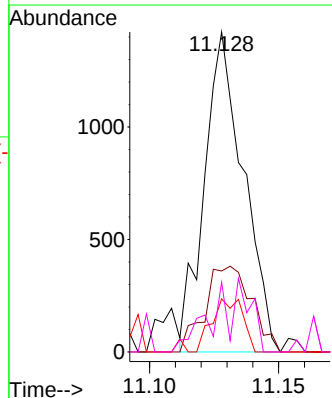
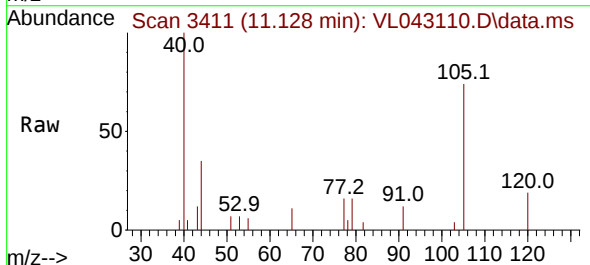
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

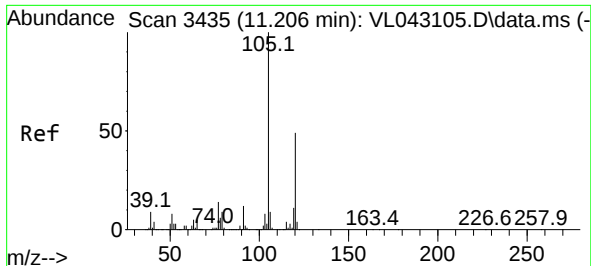
Tgt Ion: 91 Resp: 1757
Ion Ratio Lower Upper
91 100
126 30.1 12.0 48.0



#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion: 105 Resp: 1502
Ion Ratio Lower Upper
105 100
120 32.0 24.2 36.4
91 13.9 10.0 15.0
77 25.4 10.7 16.1#

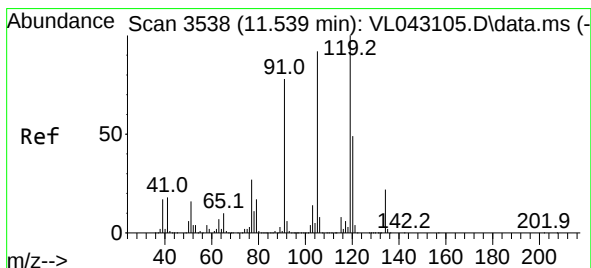
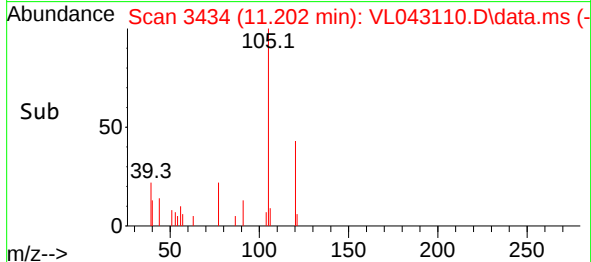
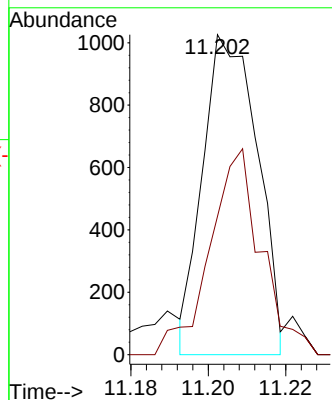
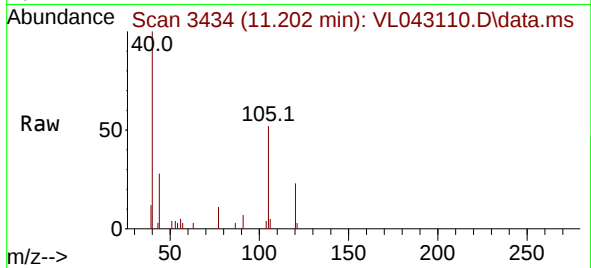




#73
1,3,5-Trimethylbenzene
Concen: 0.025 ppbv
RT: 11.202 min Scan# 3435
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

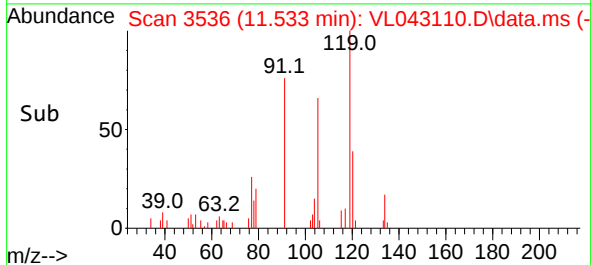
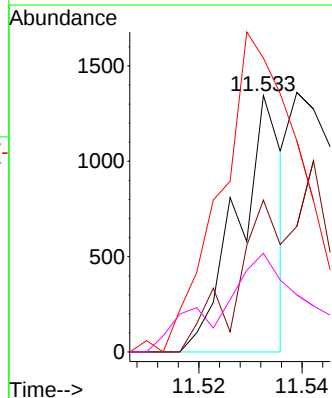
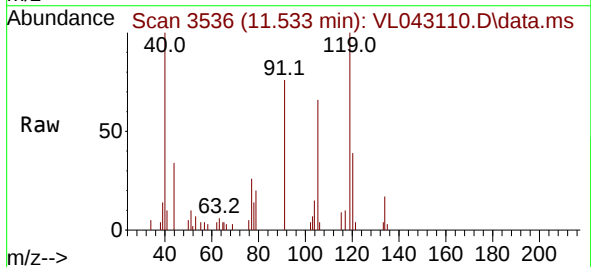
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

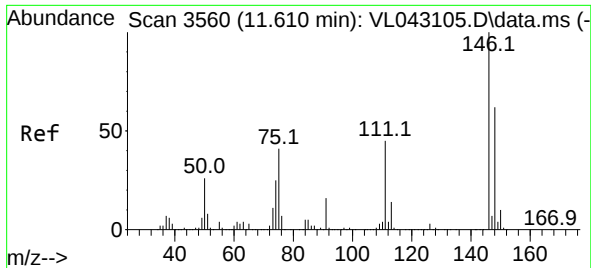
Tgt Ion:105 Resp: 1005
Ion Ratio Lower Upper
105 100
120 37.2 39.0 58.6#



#74
1,2,4-Trimethylbenzene
Concen: 0.018 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:105 Resp: 806
Ion Ratio Lower Upper
105 100
120 59.2 42.8 64.2
91 98.1 68.3 102.5
77 23.7 23.4 35.0

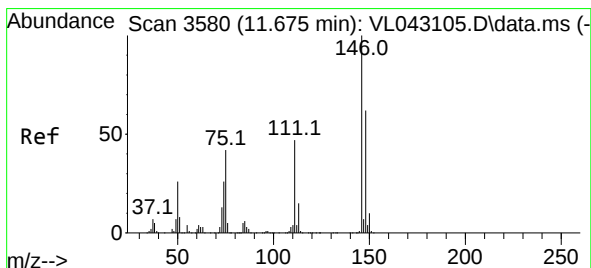
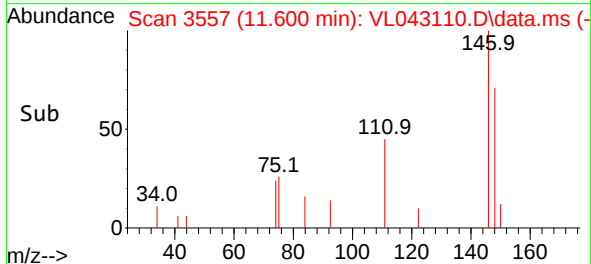
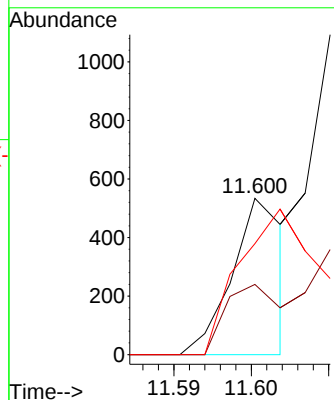
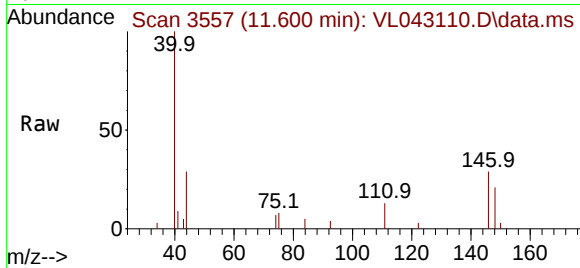




#75
1,3-Dichlorobenzene
Concen: 0.010 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

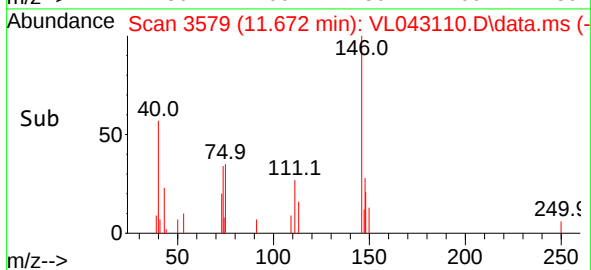
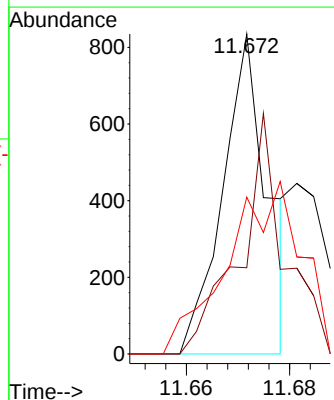
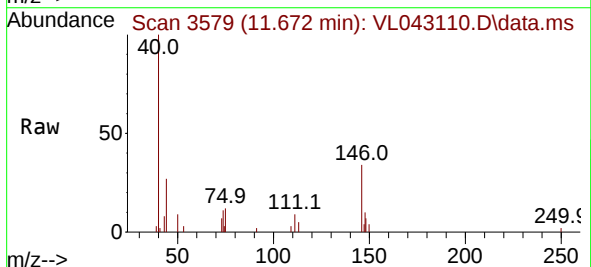
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

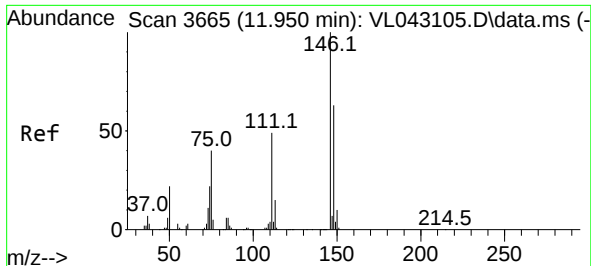
Tgt Ion:146 Resp: 251
Ion Ratio Lower Upper
146 100
111 0.0 23.3 69.9#
148 222.3 31.6 95.0#



#76
1,4-Dichlorobenzene
Concen: 0.019 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:146 Resp: 504
Ion Ratio Lower Upper
146 100
111 0.0 22.4 67.0#
148 0.0 31.6 94.7#

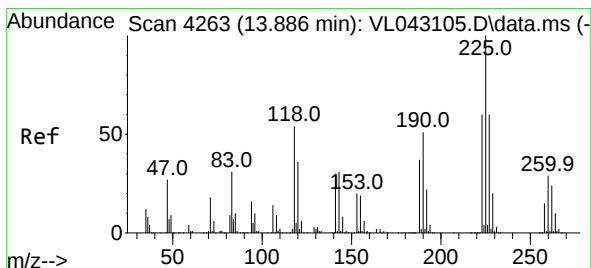
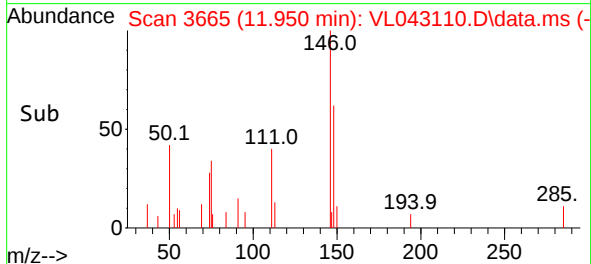
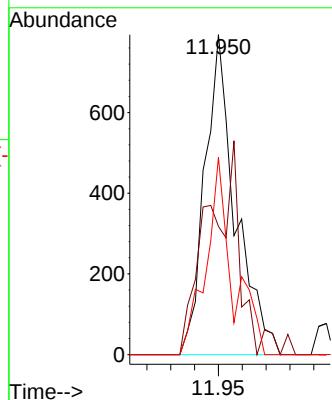
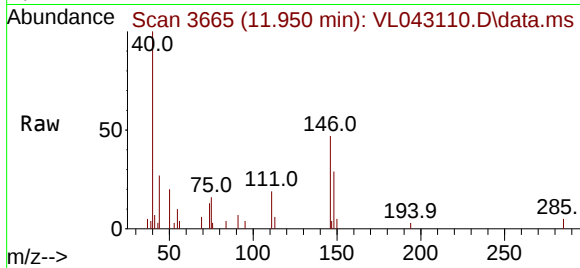




#77
1,2-Dichlorobenzene
Concen: 0.028 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

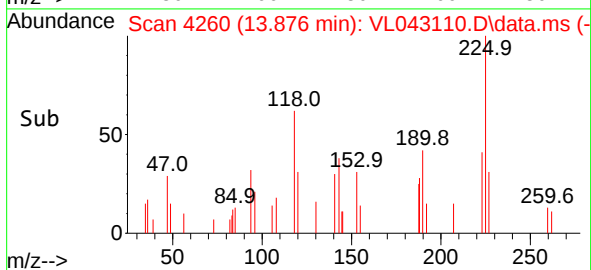
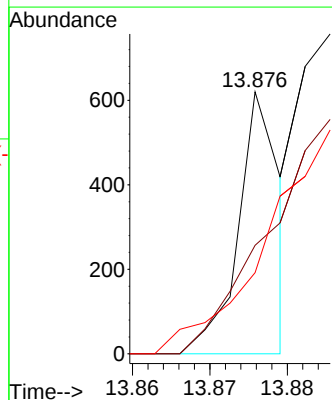
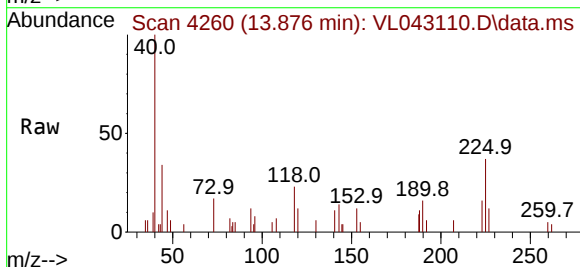
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

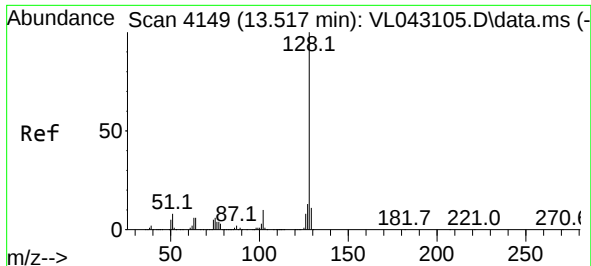
Tgt Ion:	146	Resp:	709
Ion	Ratio	Lower	Upper
146	100		
111	71.2	24.0	72.0
148	53.5	31.1	93.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.012 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.010 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

Tgt Ion:	225	Resp:	239
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.2	75.4#
227	0.0	49.6	74.4#

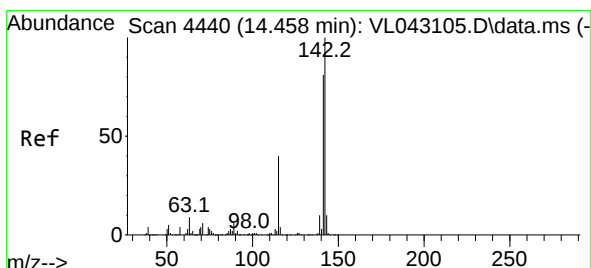
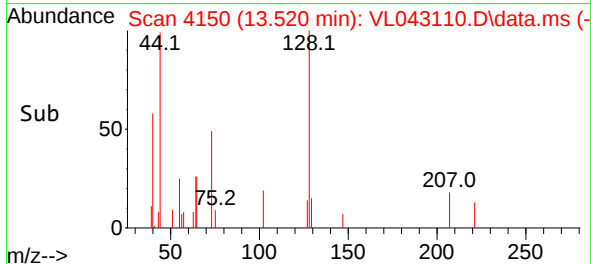
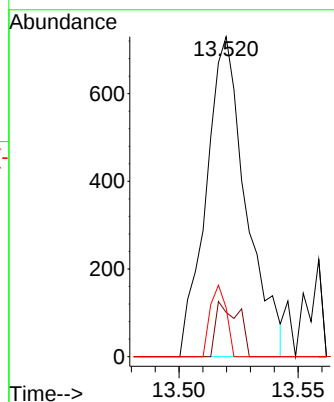
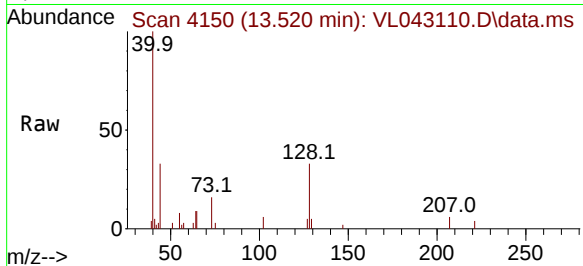




#79
Naphthalene
Concen: 0.018 ppbv
RT: 13.520 min Scan# 4149
Delta R.T. 0.003 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

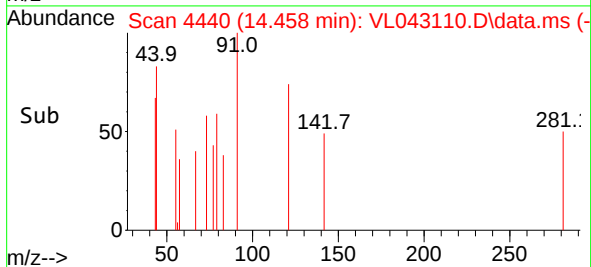
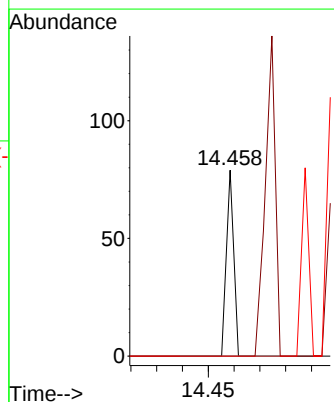
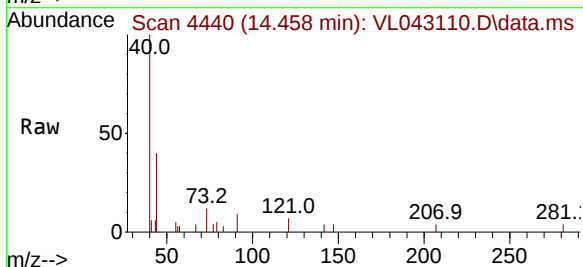
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

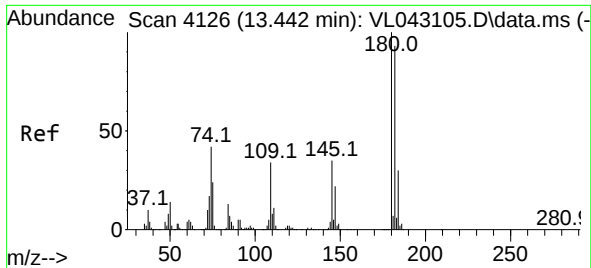
Tgt Ion:128 Resp: 851
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 15.3 9.1 13.7#



#80
Naphthalene,2-methyl-
Concen: 0.001 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.000 min
Lab File: VL043110.D
Acq: 14 Oct 2025 13:42

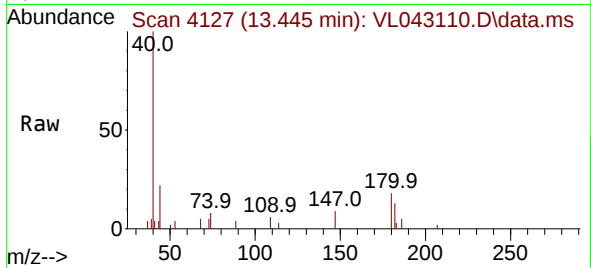
Tgt Ion:142 Resp: 15
Ion Ratio Lower Upper
142 100
141 546.7 64.6 97.0#
115 340.0 30.2 45.4#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.011 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL043110.D
 Acq: 14 Oct 2025 13:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03



Tgt Ion:180 Resp: 219
 Ion Ratio Lower Upper
 180 100
 182 76.7 75.5 113.3
 184 12.8 23.9 35.9#

