

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
 Data File : VL043109.D
 Acq On : 14 Oct 2025 13:08
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: Oct 15 01:54:22 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	99997	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	332574	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	299676	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	233673	10.032	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	1417	0.100	ppbv	96
3) Chlorodifluoromethane	1.479	51	1709	0.111	ppbv #	75
4) Chloromethane	1.534	50	746	0.132	ppbv	94
5) Vinyl Chloride	1.583	62	554	0.100	ppbv #	33
6) Bromomethane	1.667	94	479	0.158	ppbv #	61
7) Chloroethane	1.703	64	261	0.116	ppbv #	42
8) Dichlorotetrafluoroethane	1.557	85	1427	0.124	ppbv	85
9) Propene	1.486	41	689	0.101	ppbv #	1
10) Heptane	4.985	43	706	0.036	ppbv #	27
11) Trichlorofluoromethane	1.877	101	1515	0.109	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	1303	0.116	ppbv	97
13) Ethanol	1.725	45	327	0.130	ppbv #	27
14) Bromoethene	1.787	108	443	0.107	ppbv #	50
15) Acetone	1.839	43	2487	0.184	ppbv	93
16) 1,3-Butadiene	1.612	39	770	0.120	ppbv #	49
17) tert-Butyl alcohol	2.043	59	2301	0.124	ppbv #	3
18) 1,1-Dichloroethene	2.036	96	720	0.148	ppbv #	67
19) Isopropyl Alcohol	1.887	45	1443	0.172	ppbv #	53
20) Methylene Chloride	2.062	84	1890	0.355	ppbv #	77
21) Allyl Chloride	2.098	41	1664	0.167	ppbv #	43
22) trans-1,2-Dichloroethene	2.036	96	720	0.123	ppbv	86
23) Vinyl Acetate	2.467	43	2916	0.148	ppbv #	91
24) 1,1-Dichloroethane	2.408	63	1367	0.121	ppbv #	91
25) Ethyl Acetate	2.836	43	1114	0.033	ppbv #	66
26) Hexane	2.829	57	2134	0.139	ppbv	94
27) Carbon Disulfide	2.153	76	1609	0.114	ppbv #	1
28) Methyl tert-Butyl Ether	2.437	73	351	0.050	ppbv #	49
29) Chloroform	2.855	83	1225	0.055	ppbv	89
30) Cyclohexane	3.868	84	340	0.025	ppbv #	1
31) cis-1,2-Dichloroethene	2.725	61	1605	0.109	ppbv #	88
32) 1,1,1-Trichloroethane	3.373	97	1581	0.068	ppbv #	60
34) 2-Butanone	2.564	43	2560	0.114	ppbv	94
35) Carbon Tetrachloride	3.370	117	231	0.010	ppbv	90
36) Benzene	3.658	78	3507	0.112	ppbv	96
37) 1,2-Dichloroethane	3.224	62	1448	0.080	ppbv #	93
38) Trichloroethene	4.551	130	242	0.019	ppbv #	7
39) 1,2-Dichloropropane	3.962	63	80849	7.054	ppbv #	25
40) 1,4-Dioxane	4.609	88	339	0.066	ppbv #	38
41) Tetrahydrofuran	3.043	42	58	0.005	ppbv #	37
42) Bromodichloromethane	4.496	83	2440	0.098	ppbv #	73
43) Methyl Methacrylate	4.881	69	636	0.040	ppbv #	1
44) 2,2,4-Trimethylpentane	4.642	57	3354	0.064	ppbv #	45
45) t-1,3-Dichloropropene	6.425	75	617	0.039	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101425\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

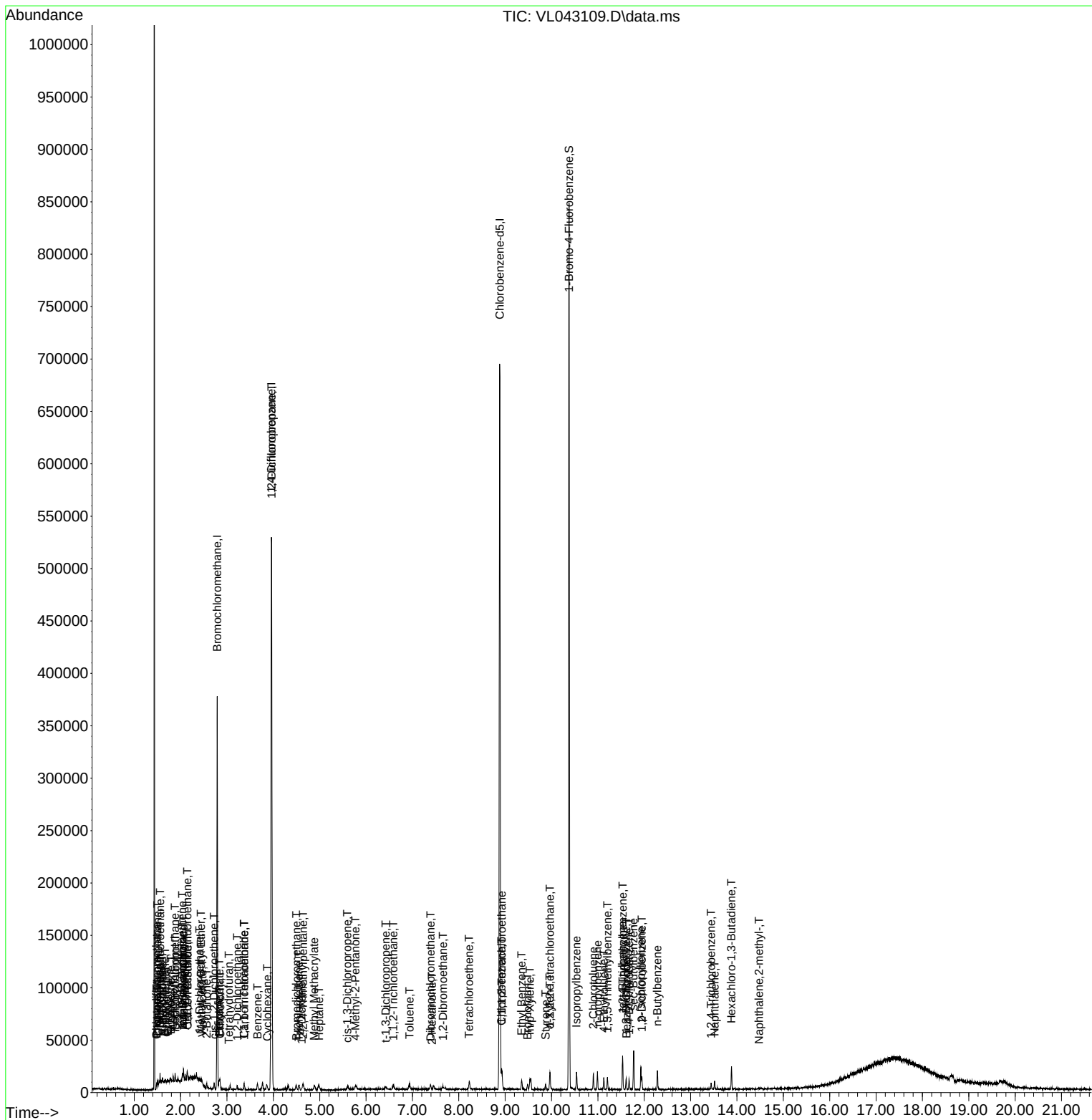
Instrument :
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 ClientSampleId :
 VSTDICC0.1

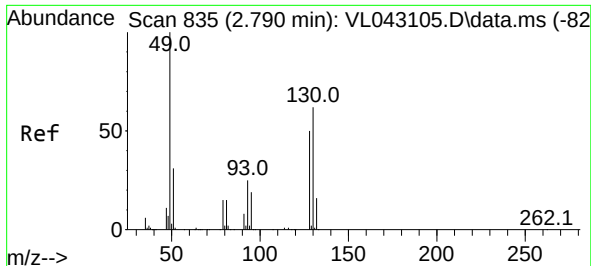
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 01:49:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	472	0.025	ppbv #	55
47) 1,1,2-Trichloroethane	6.587	97	716	0.058	ppbv #	38
48) Dibromochloromethane	7.393	129	1506	0.073	ppbv	72
49) Bromoform	9.484	173	1666	0.099	ppbv #	90
50) 4-Methyl-2-Pentanone	5.771	43	1420	0.046	ppbv #	38
51) 2-Hexanone	7.422	43	65	0.003	ppbv #	27
52) Tetrachloroethene	8.221	164	377	0.033	ppbv #	22
53) Toluene	6.940	91	1973	0.053	ppbv #	9
54) 1,2-Dibromoethane	7.658	107	2201	0.113	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.927	131	1509	0.080	ppbv #	9
57) Chlorobenzene	8.920	112	3177	0.113	ppbv #	95
58) Ethyl Benzene	9.354	91	5210	0.100	ppbv	96
59) m/p-Xylene	9.535	91	3213	0.078	ppbv #	29
60) o-Xylene	9.963	91	3450	0.085	ppbv	78
61) Styrene	9.872	104	1475	0.081	ppbv #	82
62) Isopropylbenzene	10.539	105	8132	0.111	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.966	83	3053	0.113	ppbv	90
64) n-propylbenzene	10.992	120	1906	0.098	ppbv	87
65) tert-Butylbenzene	11.532	119	6951	0.108	ppbv	97
66) Benzyl Chloride	11.617	91	277	0.038	ppbv #	78
67) sec-Butylbenzene	11.769	105	9081	0.099	ppbv	96
69) p-Isopropyltoluene	11.927	119	8105	0.104	ppbv	98
70) n-Butylbenzene	12.283	91	6640	0.086	ppbv	100
71) 2-Chlorotoluene	10.904	91	5527	0.099	ppbv	96
72) 4-Ethyltoluene	11.128	105	4754	0.095	ppbv #	92
73) 1,3,5-Trimethylbenzene	11.205	105	4680	0.114	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.536	105	4519	0.098	ppbv #	94
75) 1,3-Dichlorobenzene	11.610	146	2518	0.094	ppbv	94
76) 1,4-Dichlorobenzene	11.672	146	2266	0.084	ppbv	91
77) 1,2-Dichlorobenzene	11.950	146	2676	0.104	ppbv	94
78) Hexachloro-1,3-Butadiene	13.879	225	2107	0.105	ppbv	95
79) Naphthalene	13.516	128	3453	0.073	ppbv #	97
80) Naphthalene,2-methyl-	14.478	142	582	0.046	ppbv #	28
81) 1,2,4-Trichlorobenzene	13.442	180	774	0.039	ppbv #	77

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

Quant Time: Oct 15 01:54:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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QLast Update : Wed Oct 15 01:49:43 2025
Response via : Initial Calibration

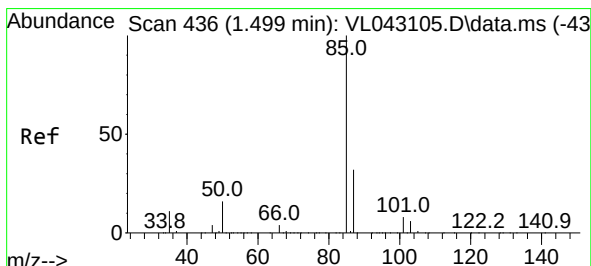
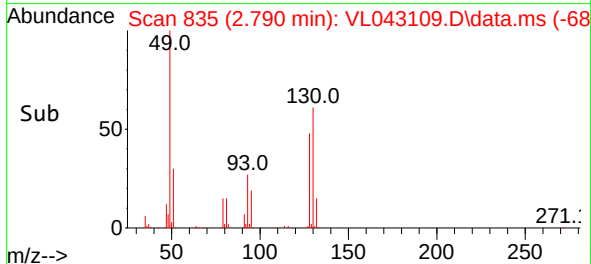
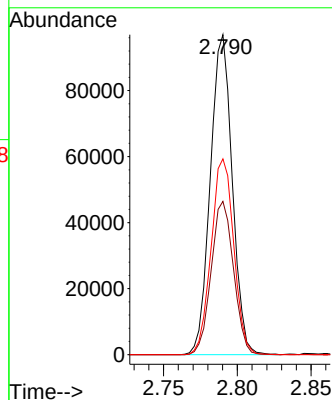
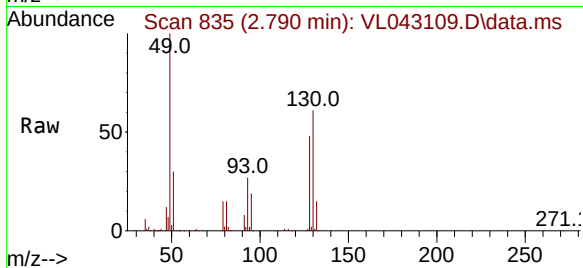




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

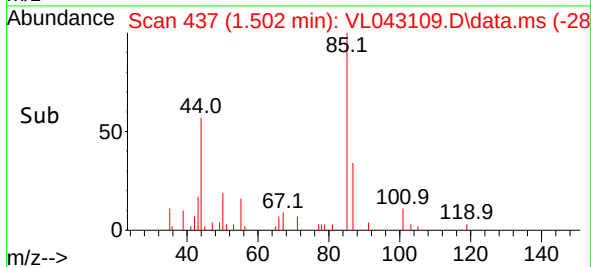
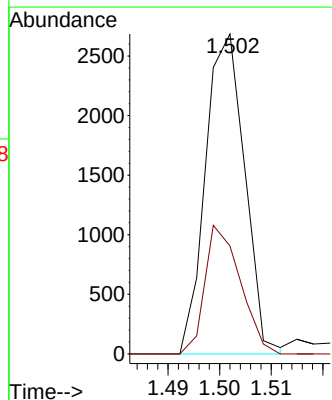
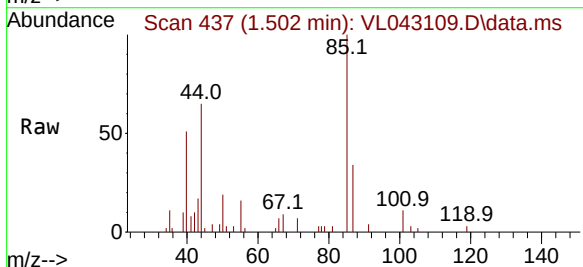
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

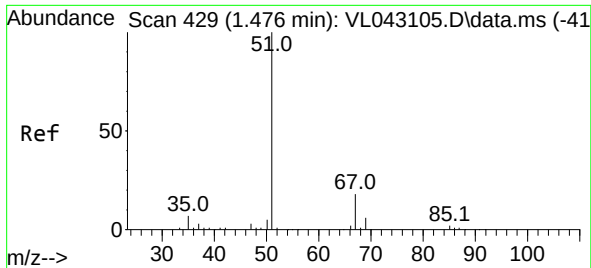
Tgt Ion: 49 Resp: 99997
Ion Ratio Lower Upper
49 100
128 48.9 24.4 73.4
130 63.3 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 0.100 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 85 Resp: 1417
Ion Ratio Lower Upper
85 100
87 33.7 25.3 37.9

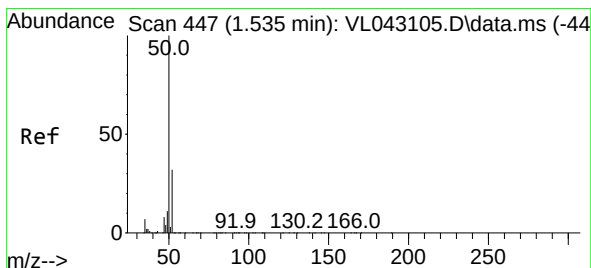
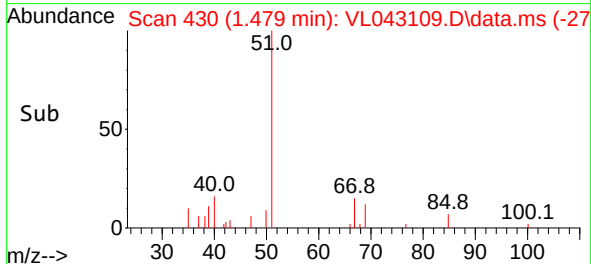
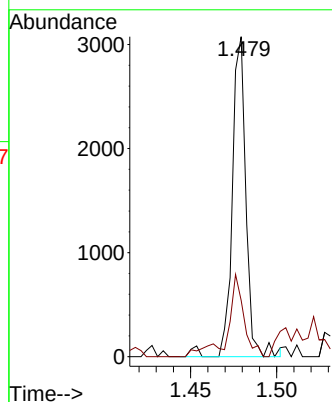
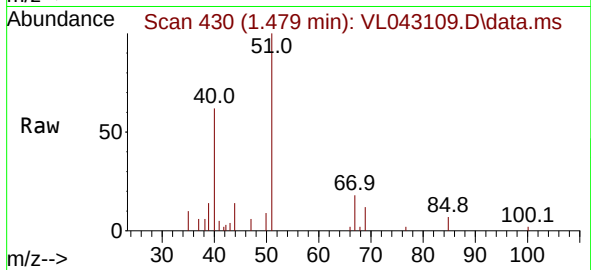




#3
Chlorodifluoromethane
Concen: 0.111 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

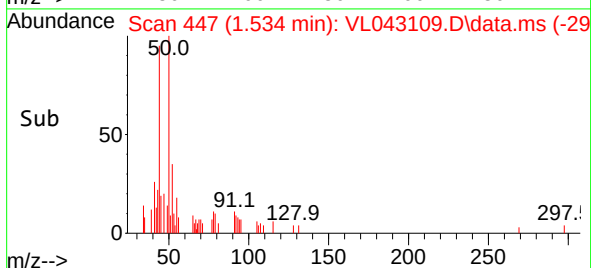
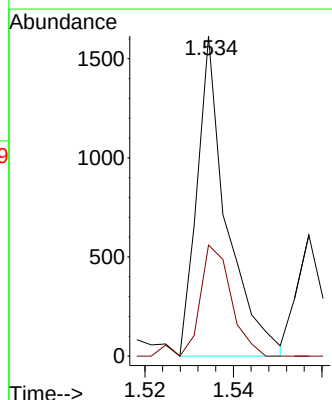
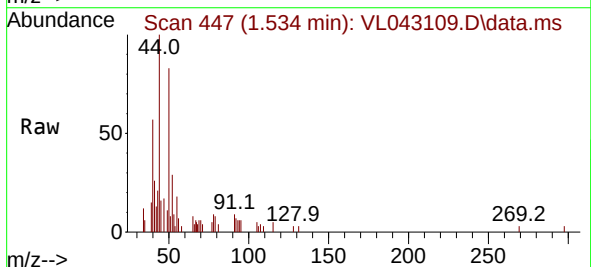
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

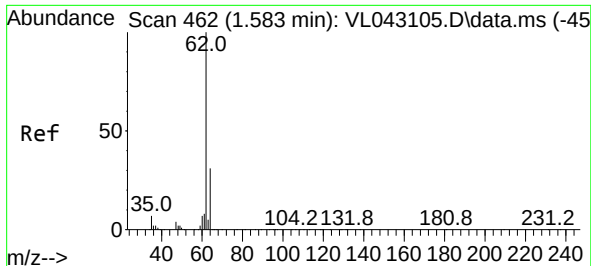
Tgt Ion: 51 Resp: 1709
Ion Ratio Lower Upper
51 100
67 30.1 15.1 22.7#



#4
Chloromethane
Concen: 0.132 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 50 Resp: 746
Ion Ratio Lower Upper
50 100
52 34.7 25.2 37.8

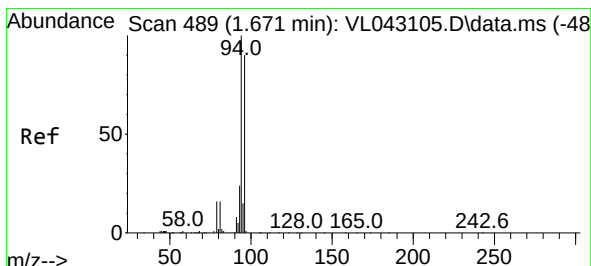
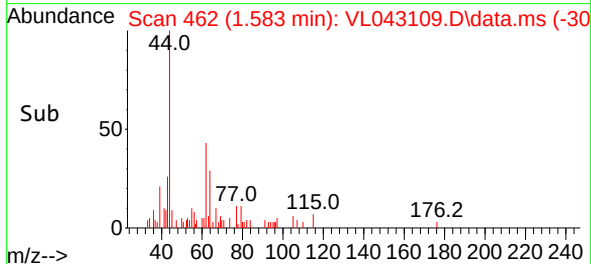
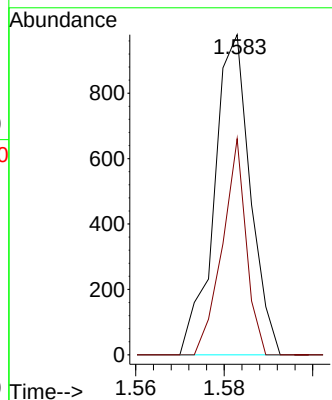
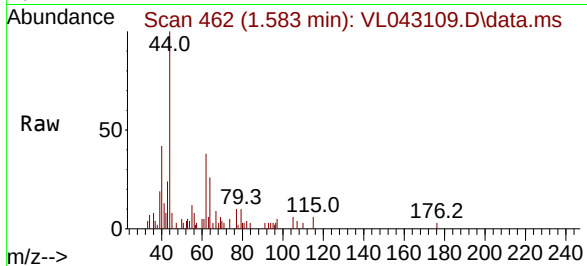




#5
 Vinyl Chloride
 Concen: 0.100 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.000 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

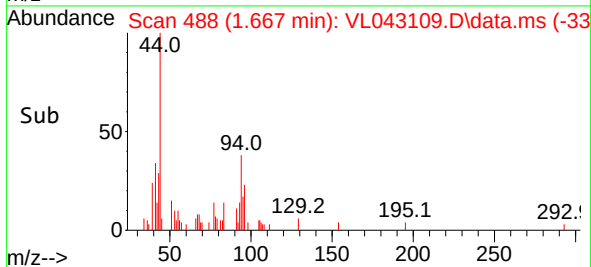
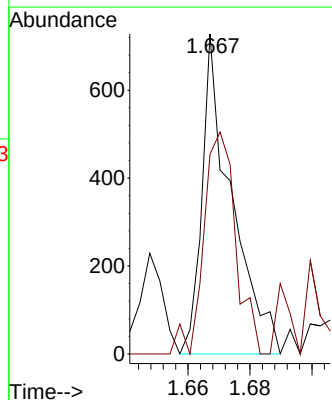
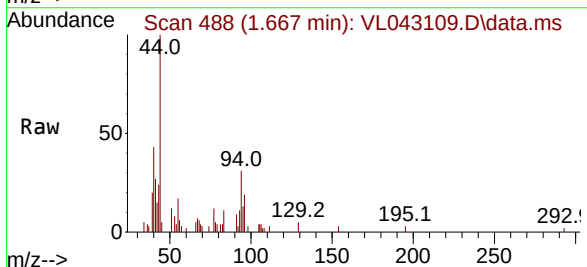
Instrument :
 MSVOA_1
 ClientSampleId :
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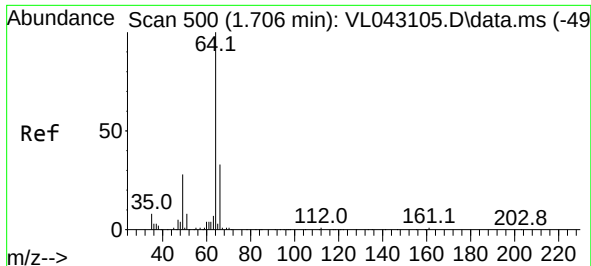
Tgt Ion: 62 Resp: 554
 Ion Ratio Lower Upper
 62 100
 64 67.5 24.6 36.8#



#6
 Bromomethane
 Concen: 0.158 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

Tgt Ion: 94 Resp: 479
 Ion Ratio Lower Upper
 94 100
 96 53.0 72.2 108.4#

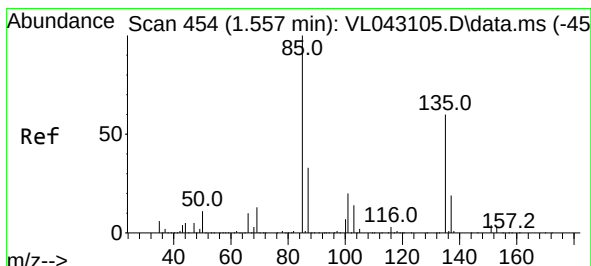
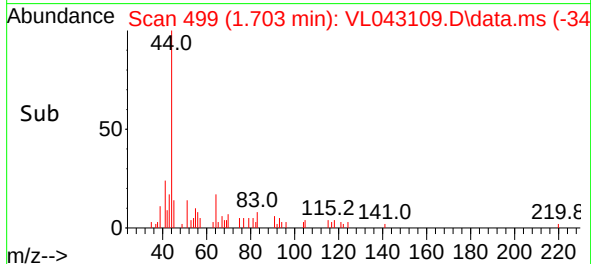
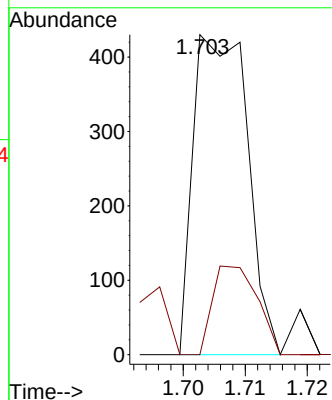
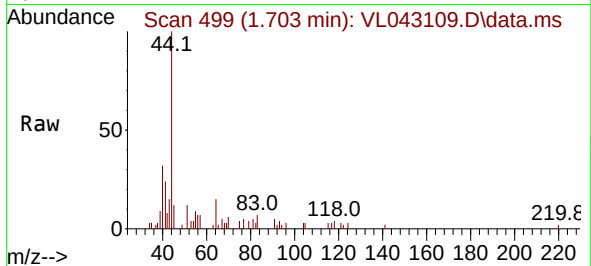




#7
Chloroethane
Concen: 0.116 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

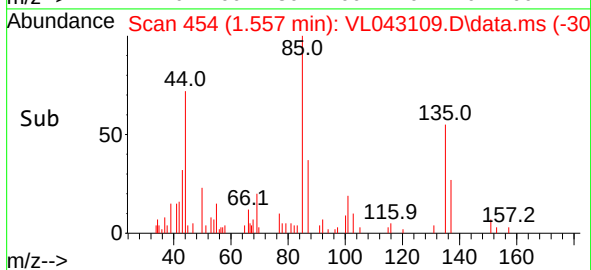
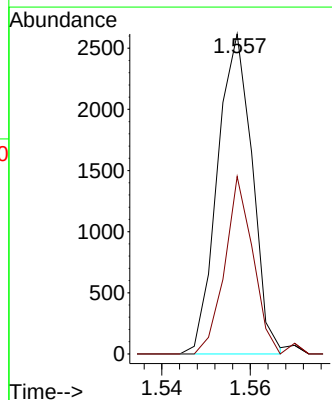
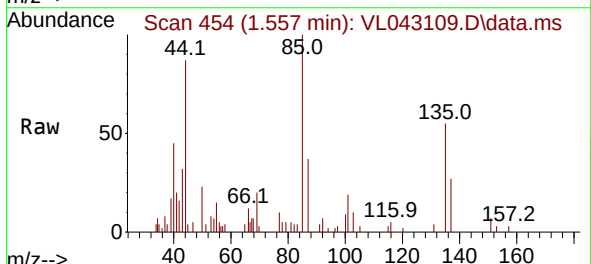
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

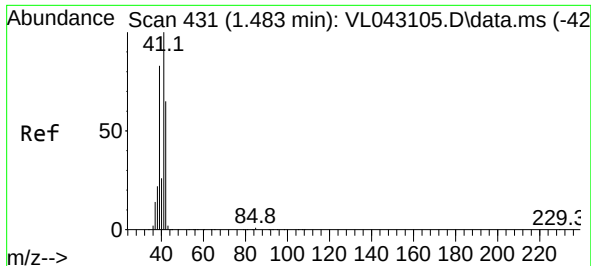
Tgt Ion: 64 Resp: 261
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#8
Dichlorotetrafluoroethane
Concen: 0.124 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 85 Resp: 1427
Ion Ratio Lower Upper
85 100
135 48.7 48.2 72.4





#9

Propene

Concen: 0.101 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

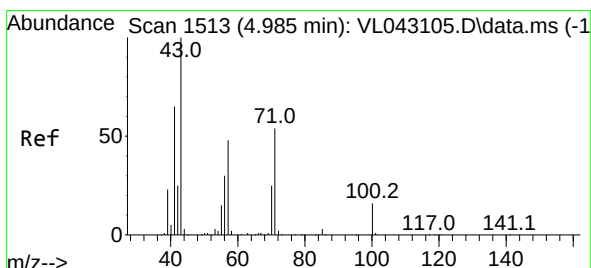
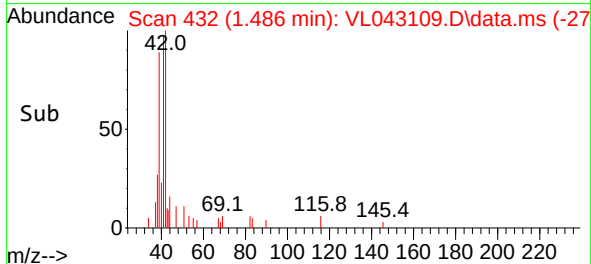
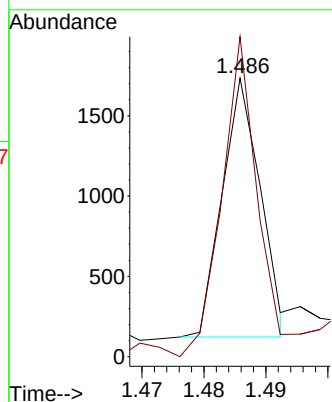
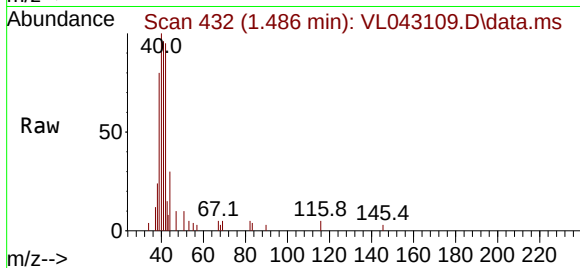
VSTDIC0.1

Tgt Ion: 41 Resp: 689

Ion Ratio Lower Upper

41 100

42 168.5 55.1 82.7#



#10

Heptane

Concen: 0.036 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL043109.D

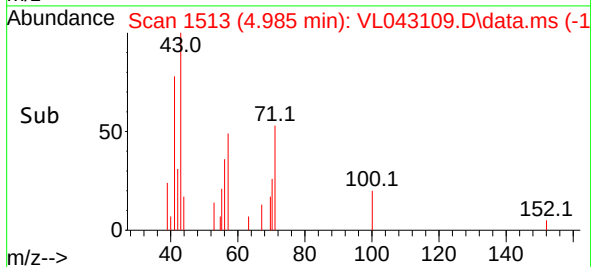
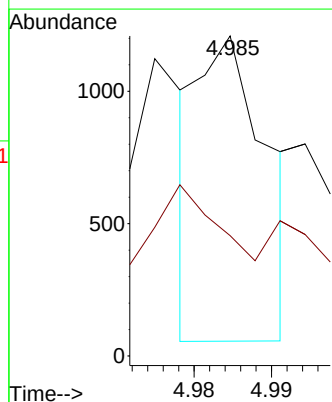
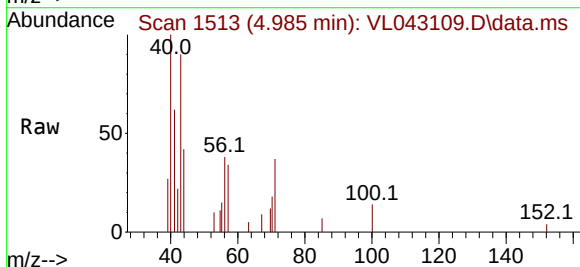
Acq: 14 Oct 2025 13:08

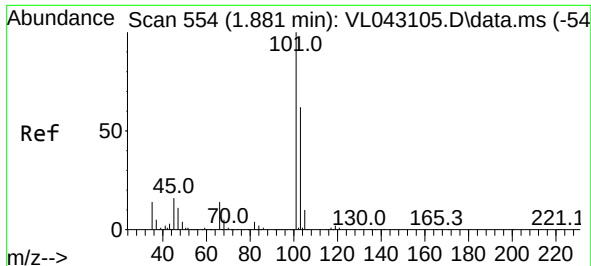
Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

57 0.0 40.8 61.2#

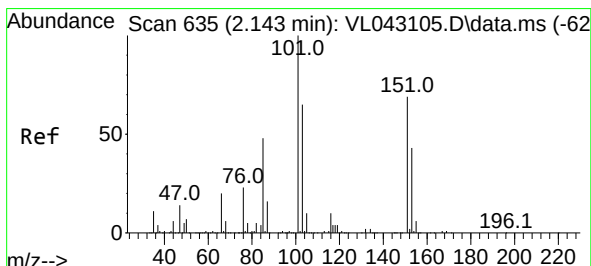
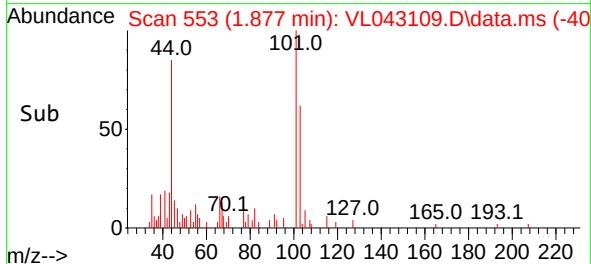
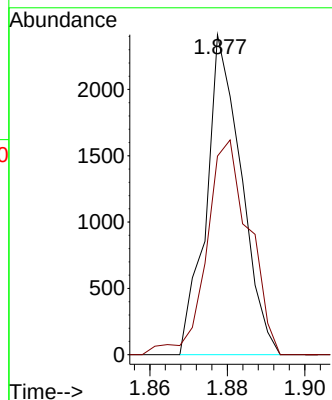
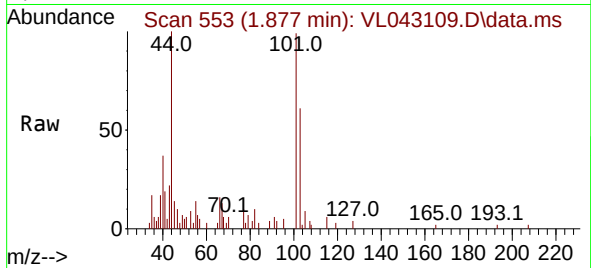




#11
 Trichlorofluoromethane
 Concen: 0.109 ppbv
 RT: 1.877 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

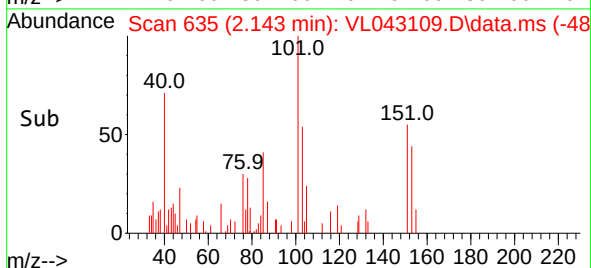
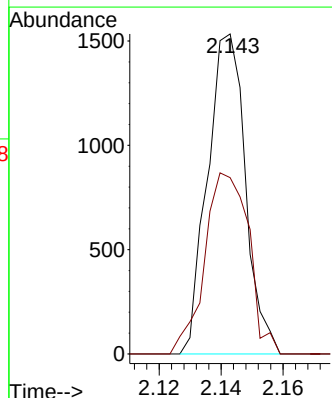
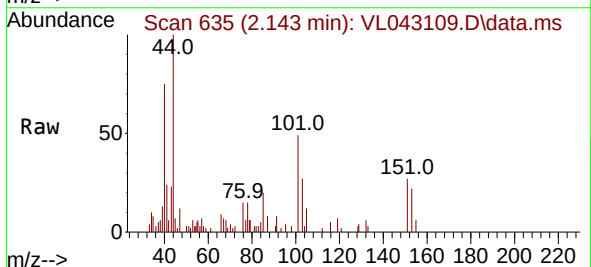
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

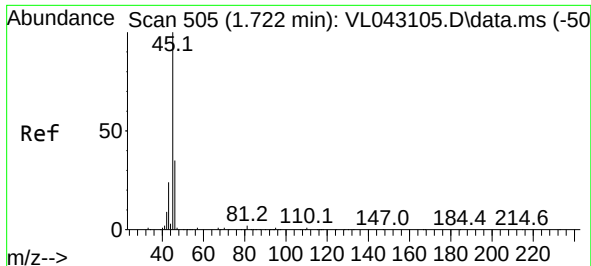
Tgt Ion:101 Resp: 1515
 Ion Ratio Lower Upper
 101 100
 103 62.1 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.116 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

Tgt Ion:101 Resp: 1303
 Ion Ratio Lower Upper
 101 100
 151 65.7 54.7 82.1

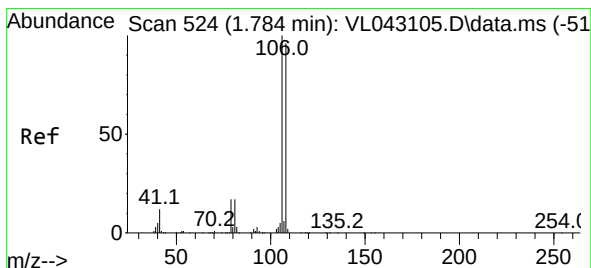
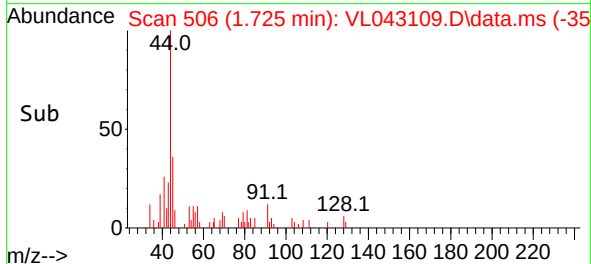
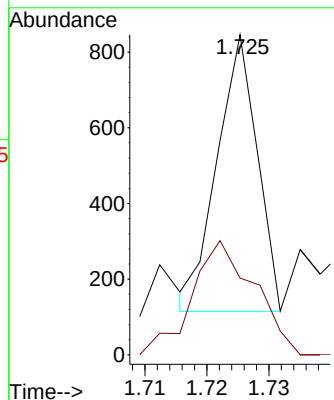
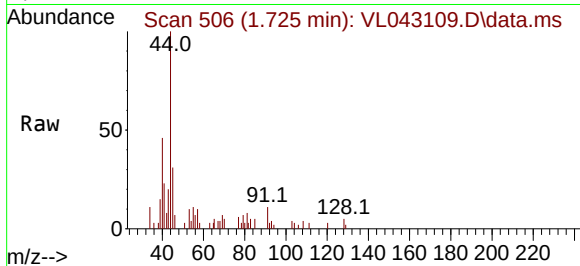




#13
 Ethanol
 Concen: 0.130 ppbv
 RT: 1.725 min Scan# 505
 Delta R.T. 0.003 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

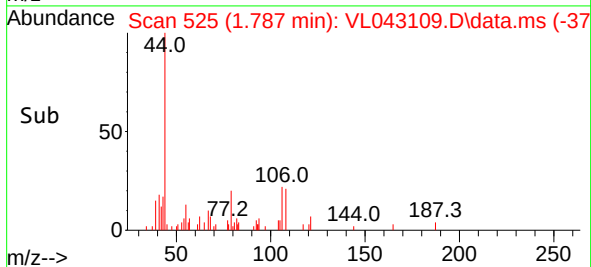
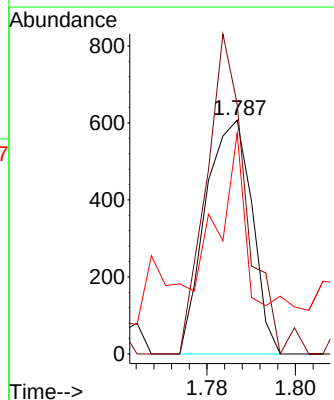
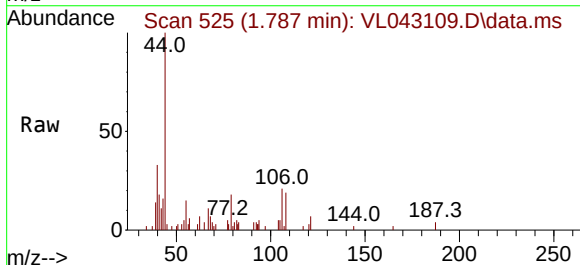
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

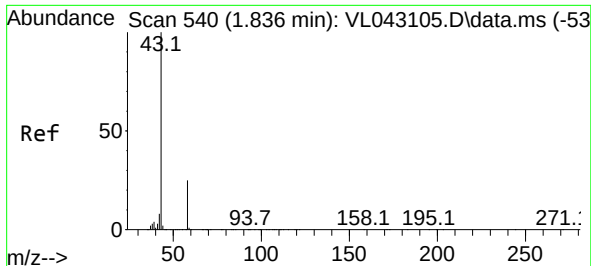
Tgt Ion: 45 Resp: 327
 Ion Ratio Lower Upper
 45 100
 46 80.1 14.7 58.9#



#14
 Bromoethene
 Concen: 0.107 ppbv
 RT: 1.787 min Scan# 525
 Delta R.T. 0.003 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

Tgt Ion: 108 Resp: 443
 Ion Ratio Lower Upper
 108 100
 106 133.2 84.4 126.6#
 79 99.1 15.3 22.9#





#15

Acetone

Concen: 0.184 ppbv

RT: 1.839 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

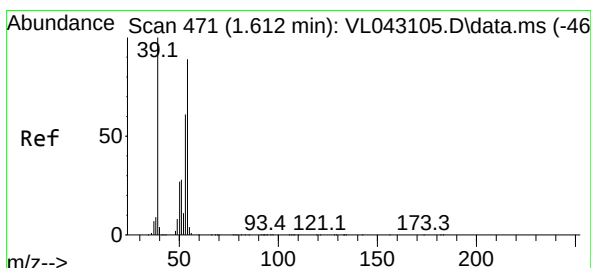
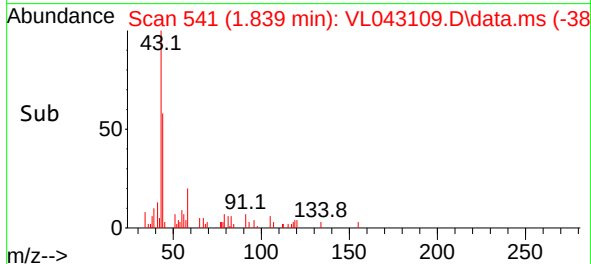
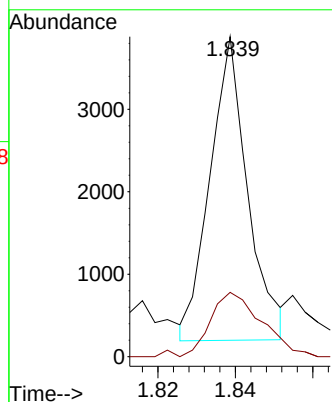
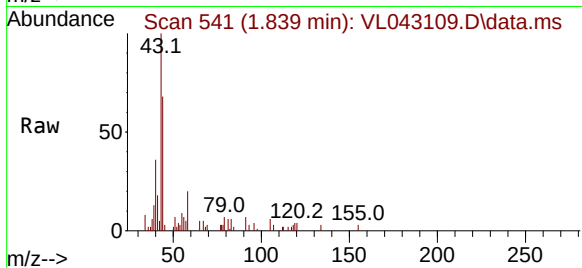
VSTDIC0.1

Tgt Ion: 43 Resp: 2487

Ion Ratio Lower Upper

43 100

58 29.5 20.8 31.2



#16

1,3-Butadiene

Concen: 0.120 ppbv

RT: 1.612 min Scan# 471

Delta R.T. -0.000 min

Lab File: VL043109.D

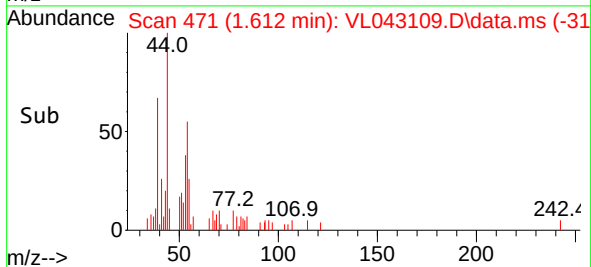
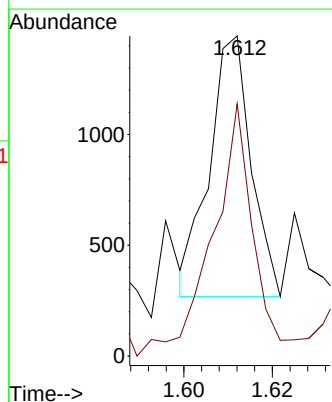
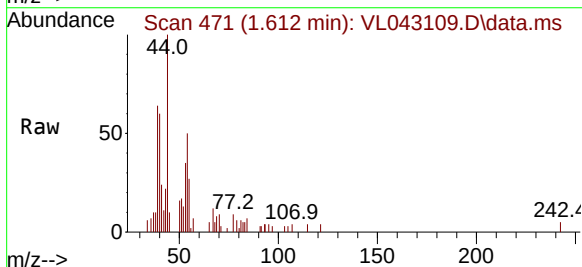
Acq: 14 Oct 2025 13:08

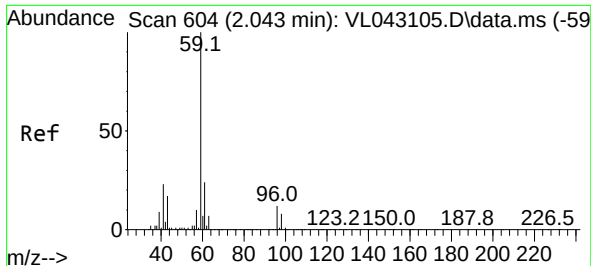
Tgt Ion: 39 Resp: 770

Ion Ratio Lower Upper

39 100

54 116.8 59.0 88.4#





#17

tert-Butyl alcohol

Concen: 0.124 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

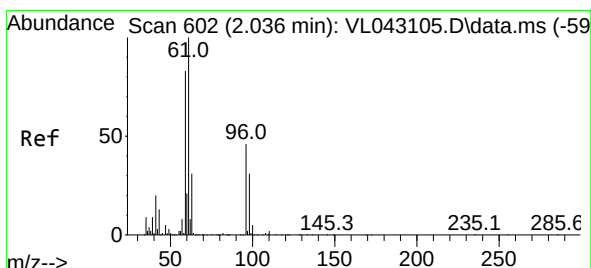
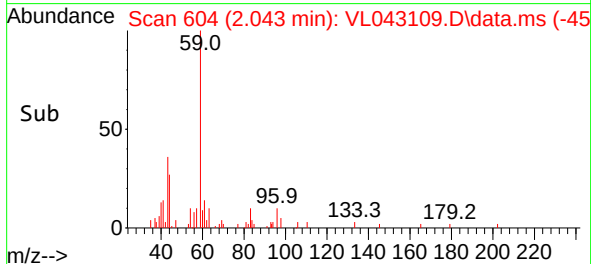
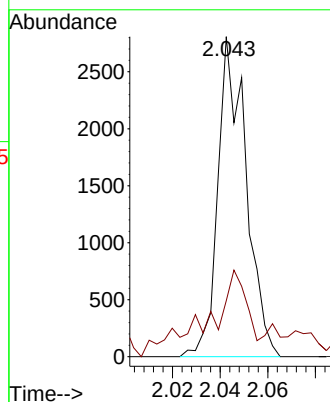
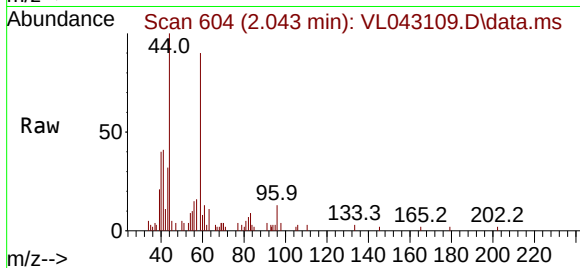
VSTDICC0.1

Tgt Ion: 59 Resp: 2301

Ion Ratio Lower Upper

59 100

57 46.6 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.148 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

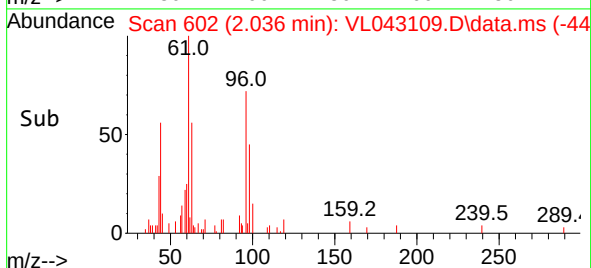
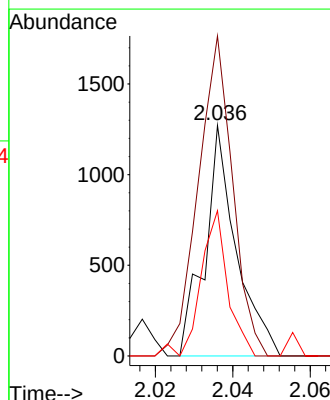
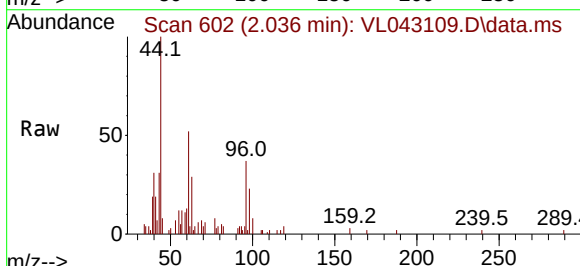
Tgt Ion: 96 Resp: 720

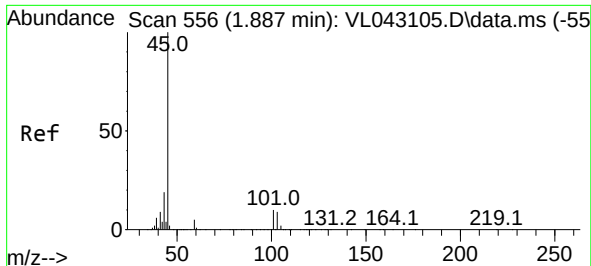
Ion Ratio Lower Upper

96 100

61 149.8 173.4 260.0#

98 63.0 53.2 79.8

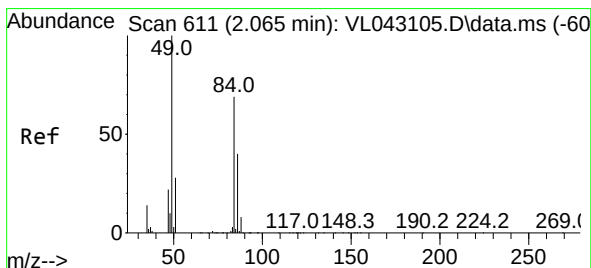
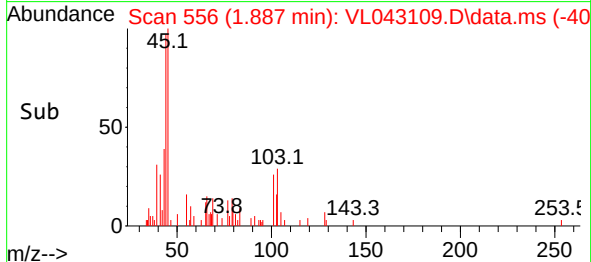
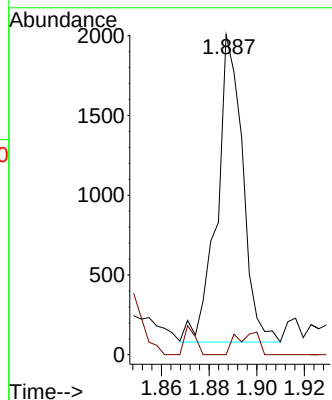
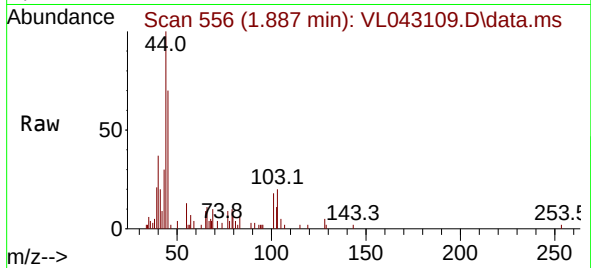




#19
Isopropyl Alcohol
Concen: 0.172 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

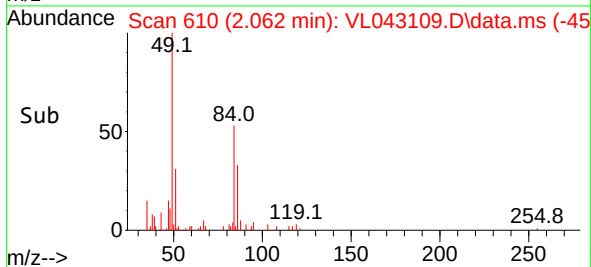
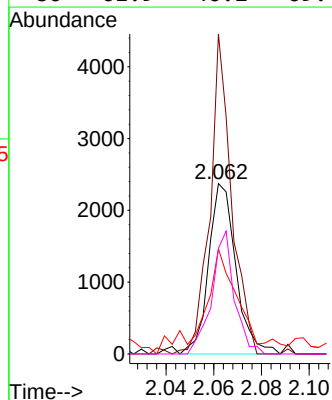
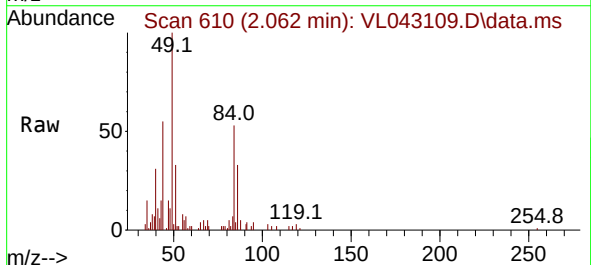
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

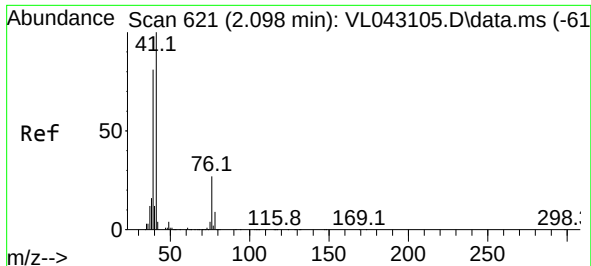
Tgt Ion: 45 Resp: 1443
Ion Ratio Lower Upper
45 100
58 10.5 31.3 46.9#



#20
Methylene Chloride
Concen: 0.355 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 84 Resp: 1890
Ion Ratio Lower Upper
84 100
49 183.9 116.6 175.0#
51 55.8 34.8 52.2#
86 61.9 46.2 69.4

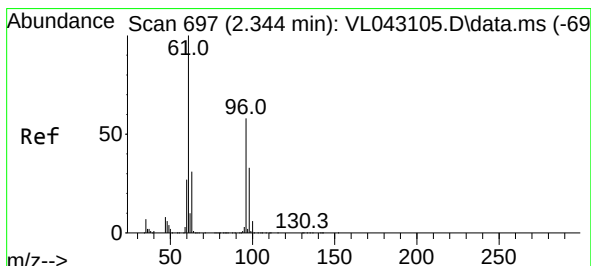
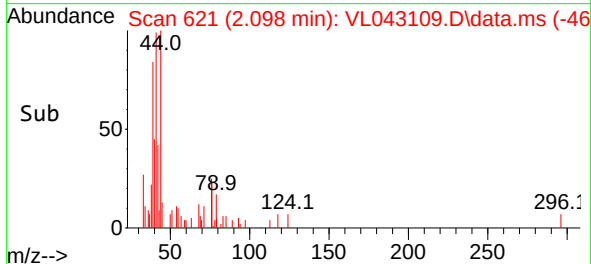
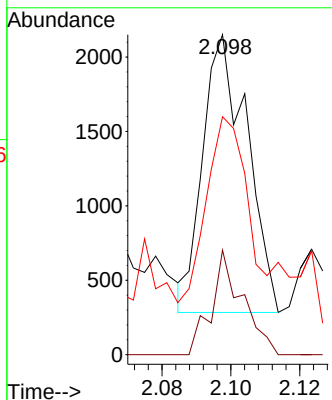
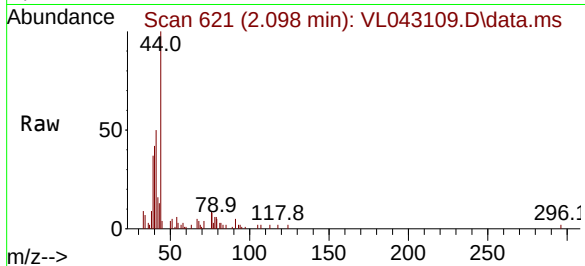




#21
 Allyl Chloride
 Concen: 0.167 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

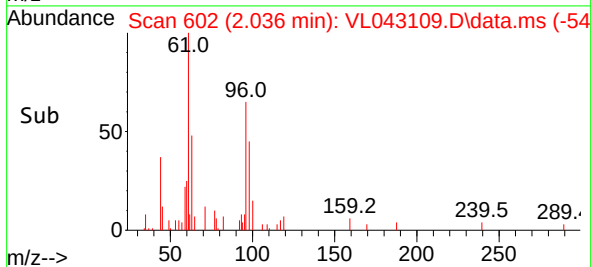
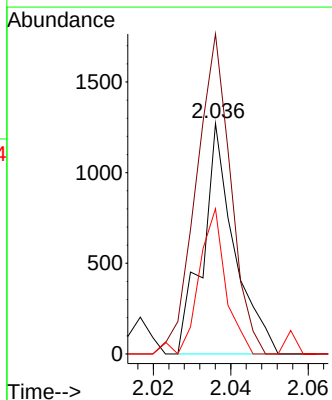
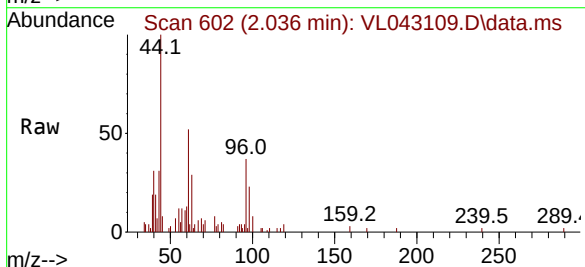
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

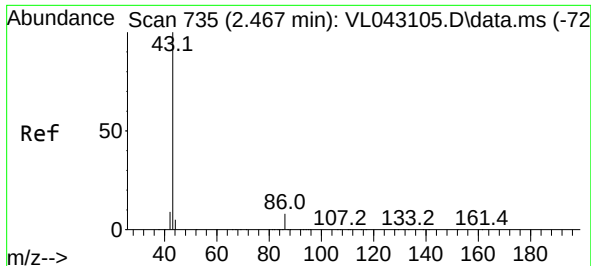
Tgt Ion:	41	Resp:	1664
Ion	Ratio	Lower	Upper
41	100		
76	26.4	21.5	32.3
39	142.1	60.8	91.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.123 ppbv
 RT: 2.036 min Scan# 602
 Delta R.T. -0.308 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

Tgt Ion:	96	Resp:	720
Ion	Ratio	Lower	Upper
96	100		
61	149.8	137.0	205.6
98	63.0	45.5	68.3

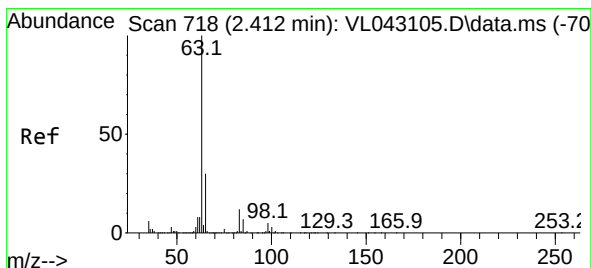
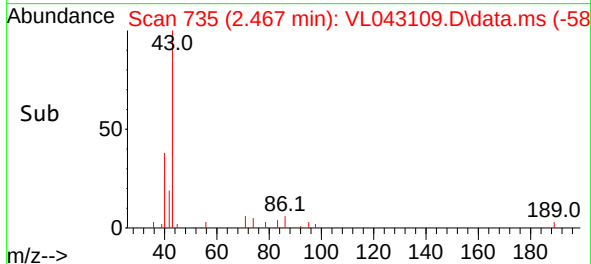
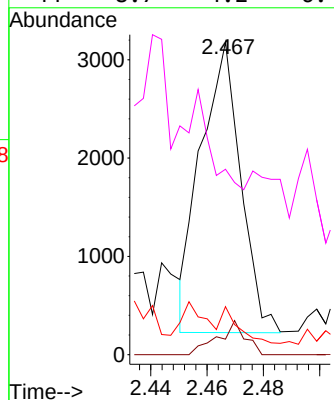
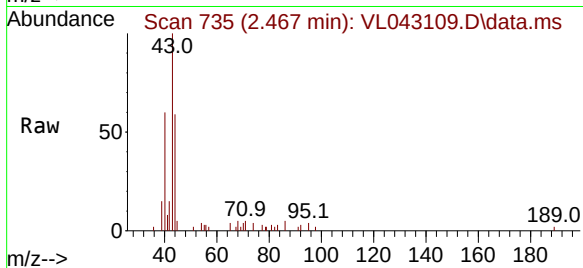




#23
 Vinyl Acetate
 Concen: 0.148 ppbv
 RT: 2.467 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

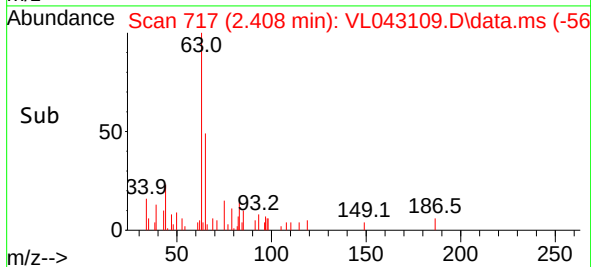
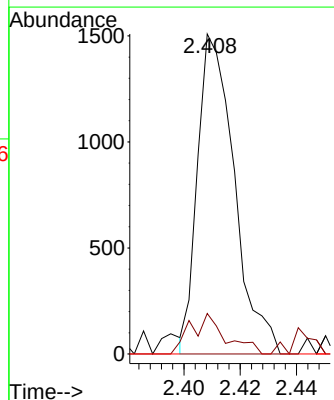
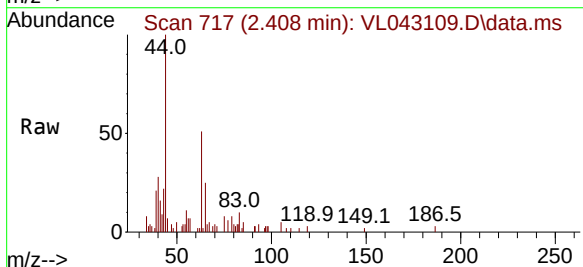
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

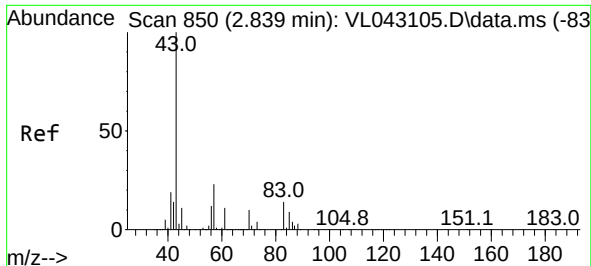
Tgt Ion:	43	Resp:	2916
Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.2	9.2#
42	5.5	7.6	11.4#
44	8.7	4.2	6.4#



#24
 1,1-Dichloroethane
 Concen: 0.121 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

Tgt Ion:	63	Resp:	1367
Ion	Ratio	Lower	Upper
63	100		
98	8.5	2.6	7.8#
100	0.0	1.5	4.4#

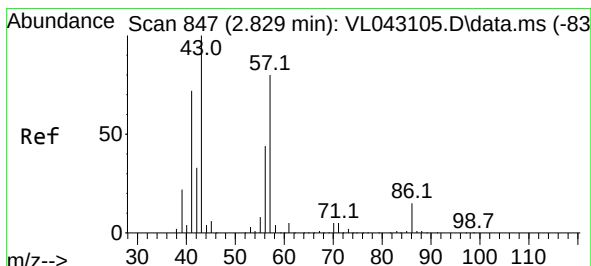
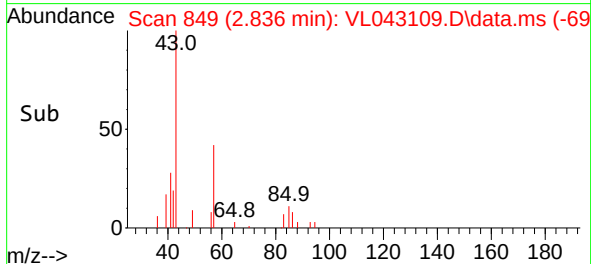
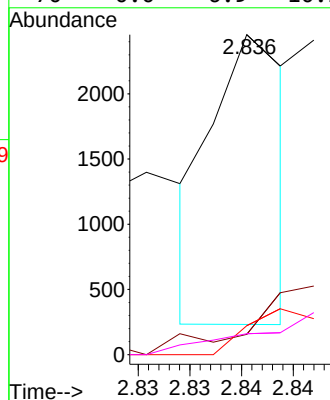
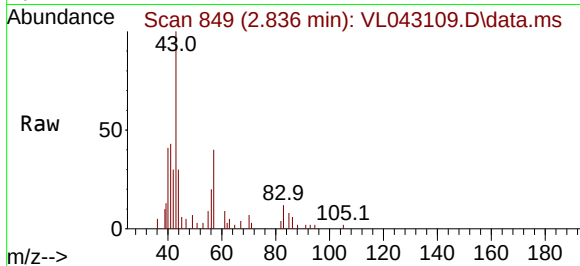




#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

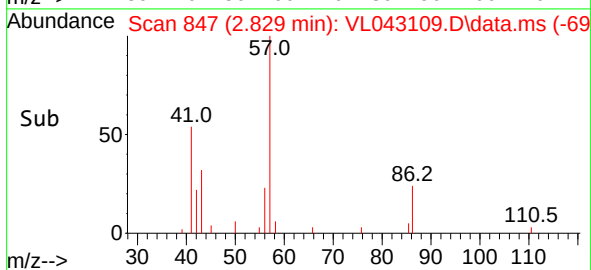
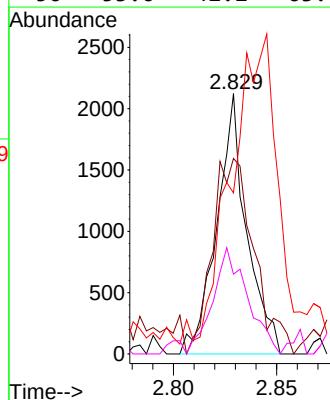
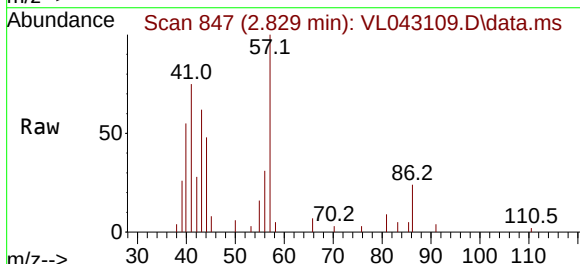
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

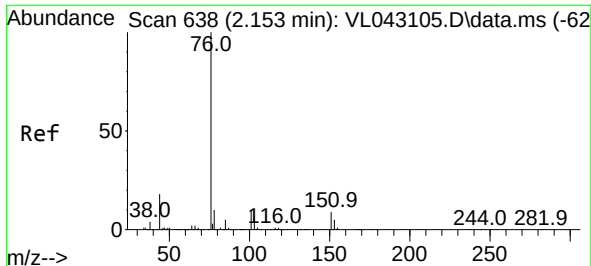
Tgt Ion: 43	Resp: 1114
Ion Ratio	Lower Upper
43 100	
45 0.0	7.8 11.8#
61 27.3	7.0 10.6#
70 0.0	6.9 10.3#



#26
Hexane
Concen: 0.139 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 57	Resp: 2134
Ion Ratio	Lower Upper
57 100	
41 106.3	71.4 107.0
43 219.9	178.5 267.7
56 53.6	42.2 63.4

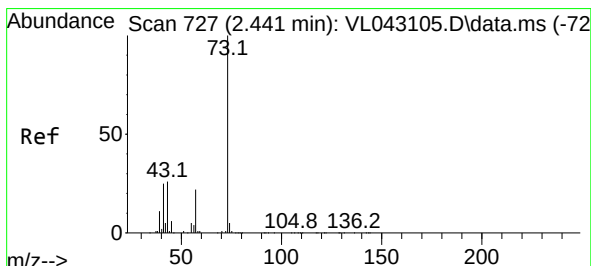
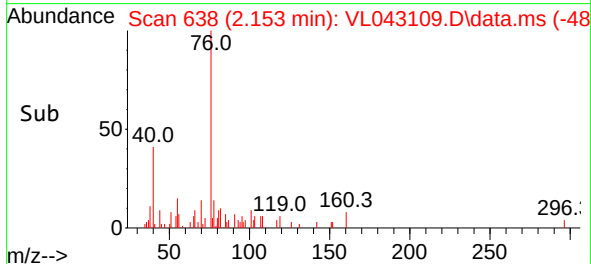
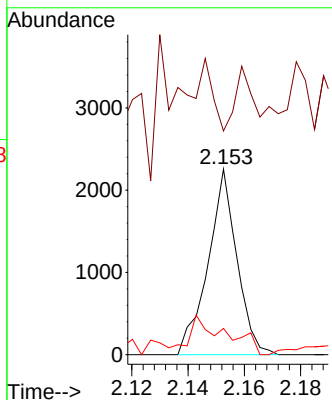
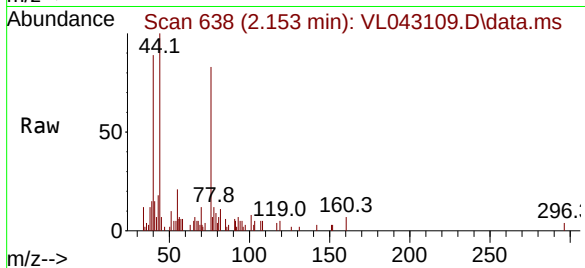




#27
Carbon Disulfide
Concen: 0.114 ppbv
RT: 2.153 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

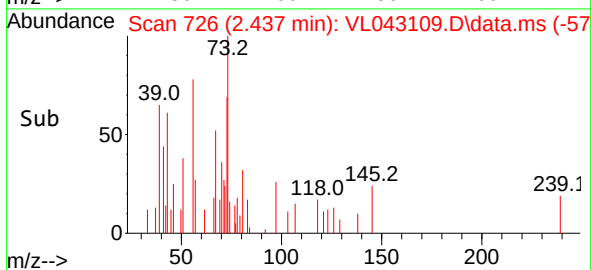
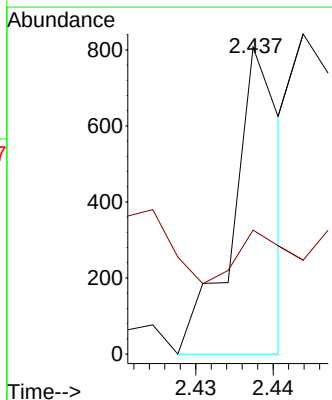
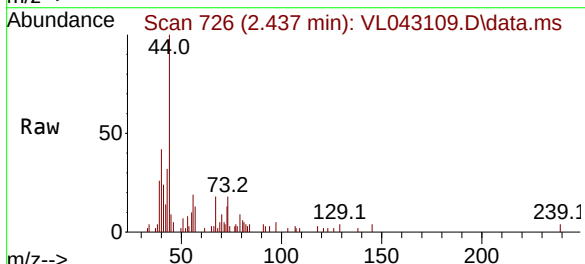
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

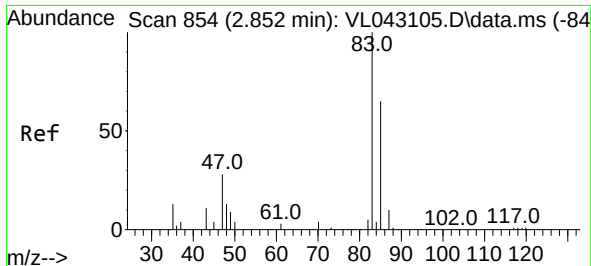
Tgt Ion: 76 Resp: 1609
Ion Ratio Lower Upper
76 100
44 164.6 16.7 25.1#
78 37.2 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.050 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 73 Resp: 351
Ion Ratio Lower Upper
73 100
57 0.0 20.5 30.7#

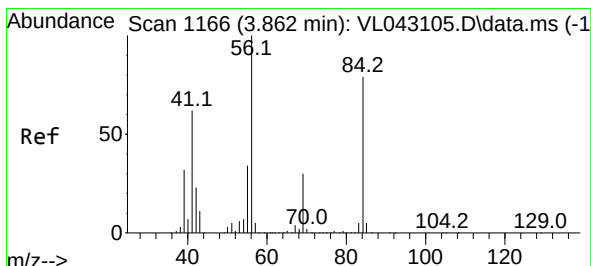
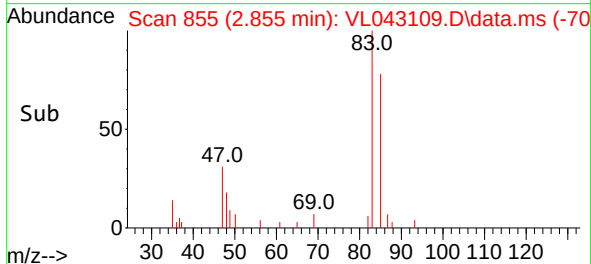
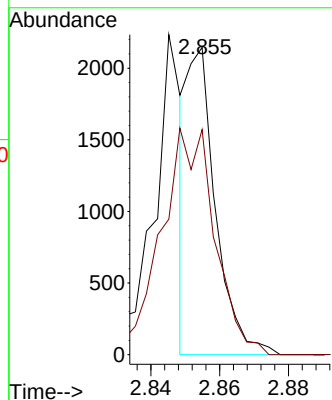
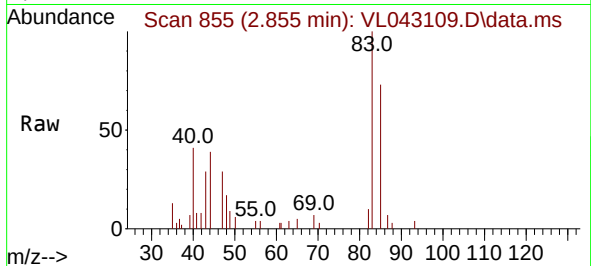




#29
Chloroform
Concen: 0.055 ppbv
RT: 2.855 min Scan# 85
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

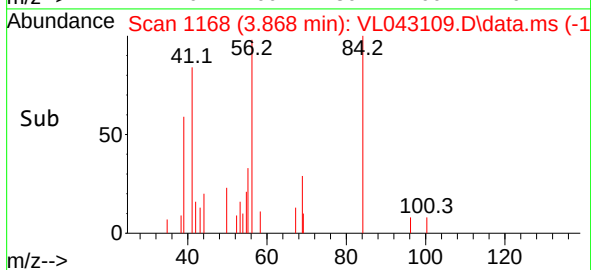
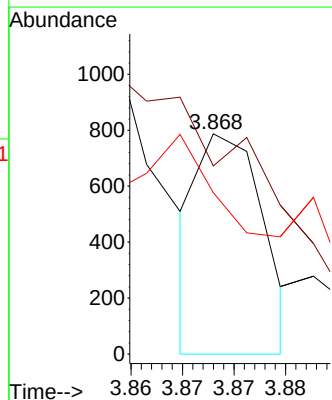
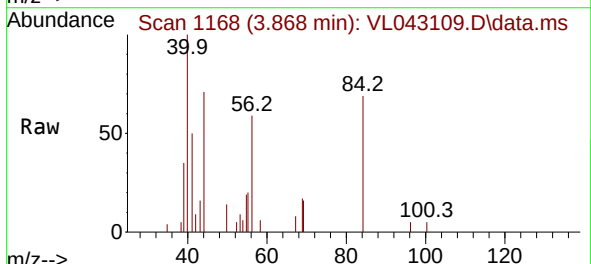
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

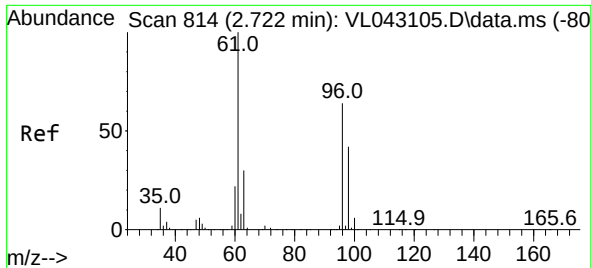
Tgt Ion: 83 Resp: 1225
Ion Ratio Lower Upper
83 100
85 73.3 51.8 77.6



#30
Cyclohexane
Concen: 0.025 ppbv
RT: 3.868 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 84 Resp: 340
Ion Ratio Lower Upper
84 100
56 0.0 100.9 151.3#
41 578.5 63.8 95.6#

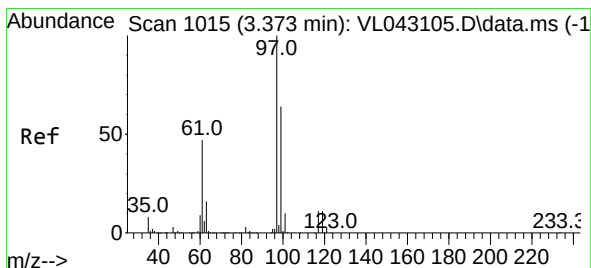
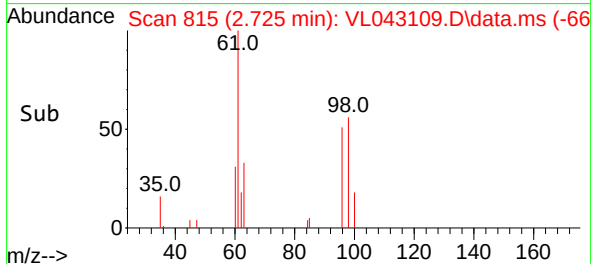
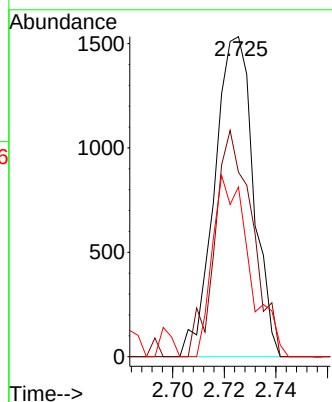
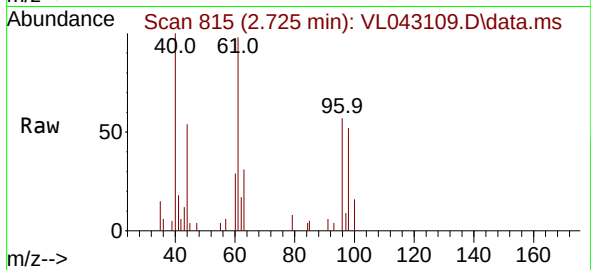




#31
 cis-1,2-Dichloroethene
 Concen: 0.109 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

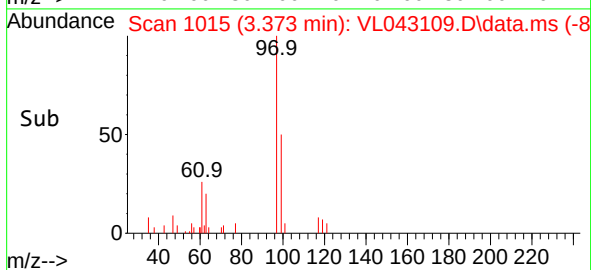
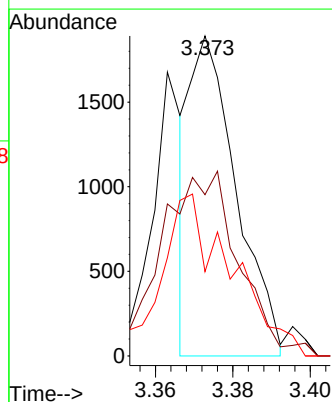
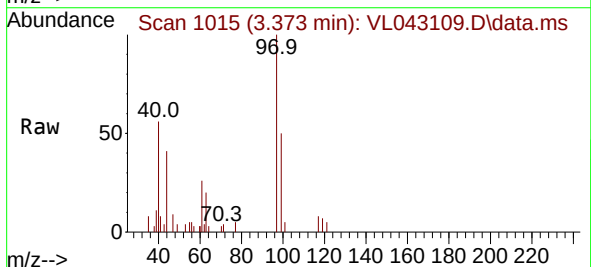
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

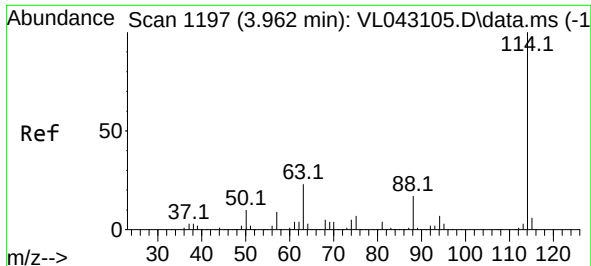
Tgt Ion: 61 Resp: 1605
 Ion Ratio Lower Upper
 61 100
 96 57.7 51.0 76.6
 98 53.0 33.5 50.3#



#32
 1,1,1-Trichloroethane
 Concen: 0.068 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

Tgt Ion: 97 Resp: 1581
 Ion Ratio Lower Upper
 97 100
 99 94.8 51.3 76.9#
 61 76.3 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: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

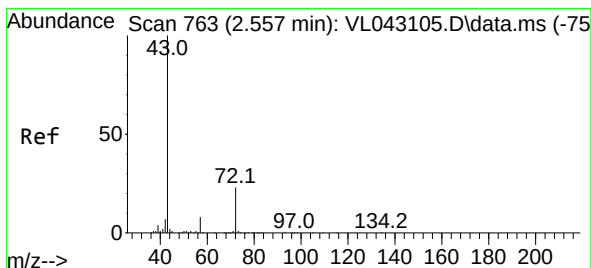
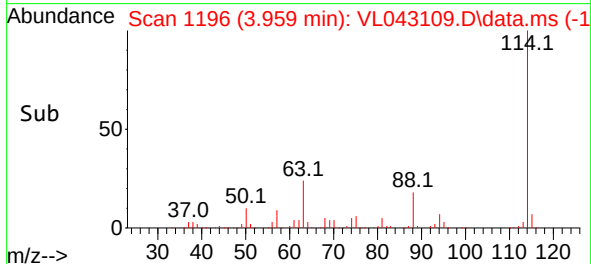
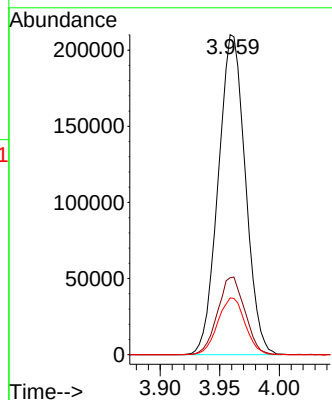
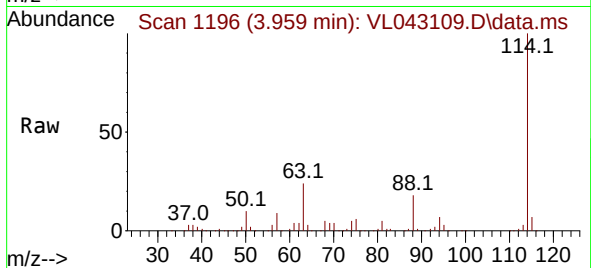
Tgt Ion:114 Resp: 332574

Ion Ratio Lower Upper

114 100

63 24.3 19.3 28.9

88 17.9 13.9 20.9



#34

2-Butanone

Concen: 0.114 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.006 min

Lab File: VL043109.D

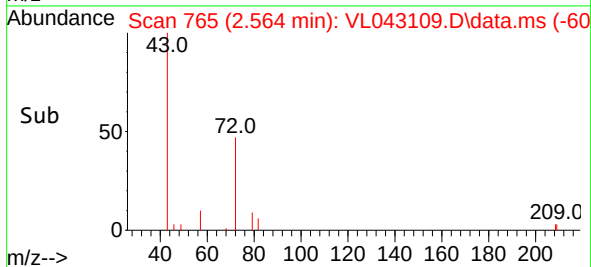
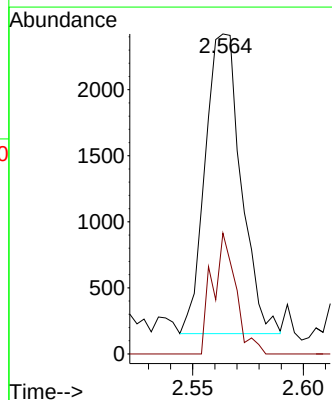
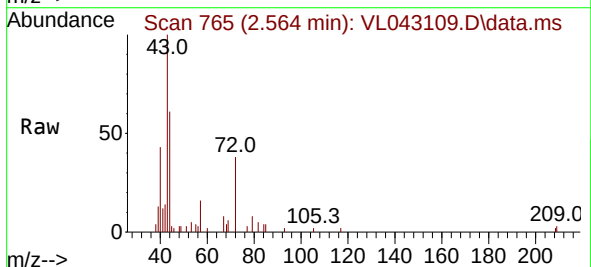
Acq: 14 Oct 2025 13:08

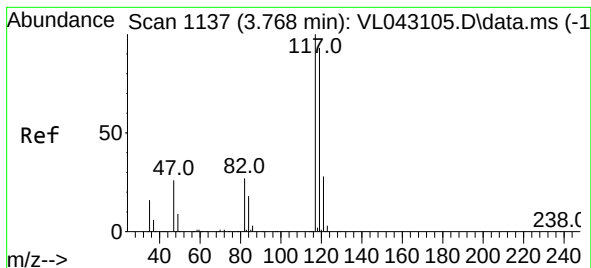
Tgt Ion: 43 Resp: 2560

Ion Ratio Lower Upper

43 100

72 26.1 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.010 ppbv

RT: 3.370 min Scan# 1103

Delta R.T. -0.398 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

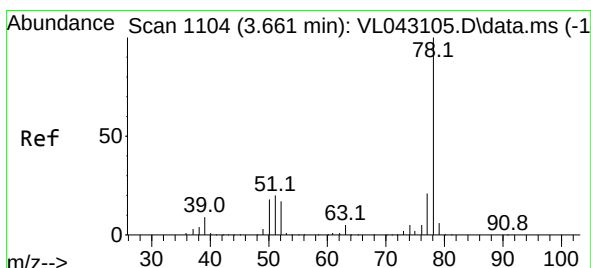
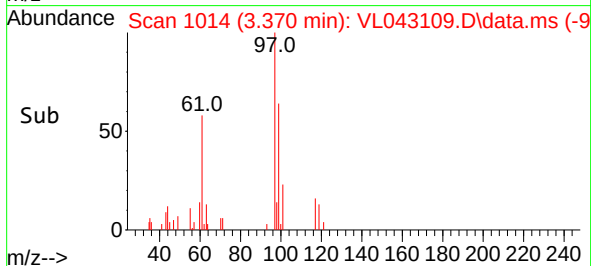
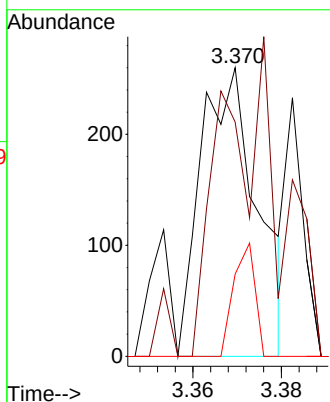
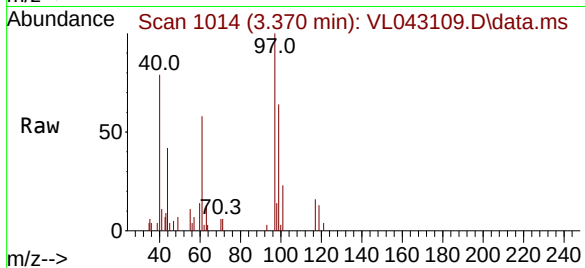
Tgt Ion:117 Resp: 231

Ion Ratio Lower Upper

117 100

119 81.2 74.1 111.1

121 28.5 22.2 33.2



#36

Benzene

Concen: 0.112 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

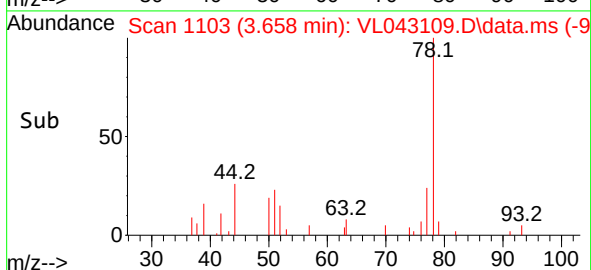
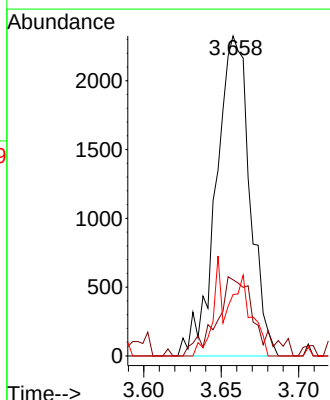
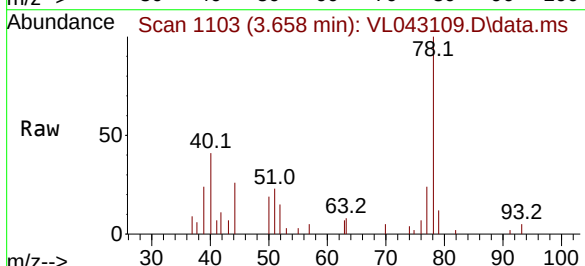
Tgt Ion: 78 Resp: 3507

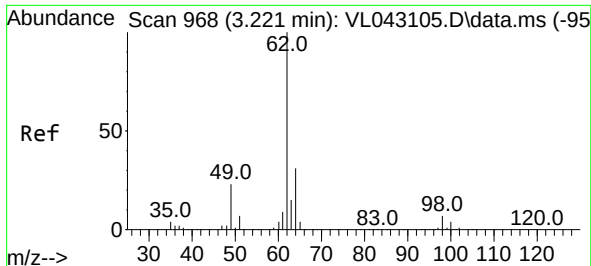
Ion Ratio Lower Upper

78 100

77 23.8 17.0 25.6

50 19.2 14.6 22.0

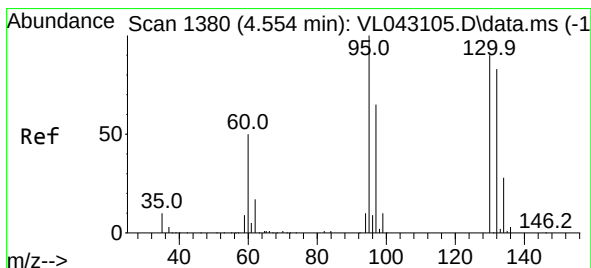
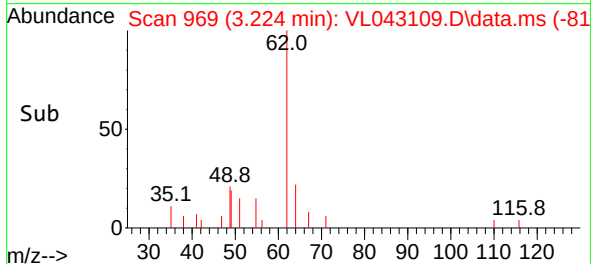
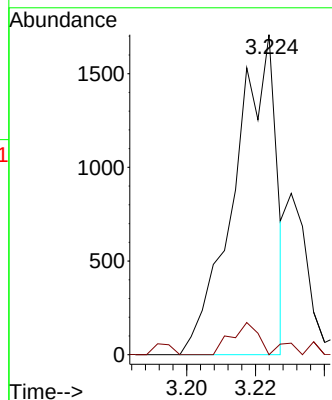
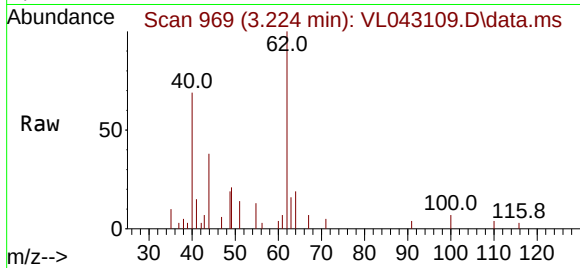




#37
1,2-Dichloroethane
Concen: 0.080 ppbv
RT: 3.224 min Scan# 9
Delta R.T. 0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

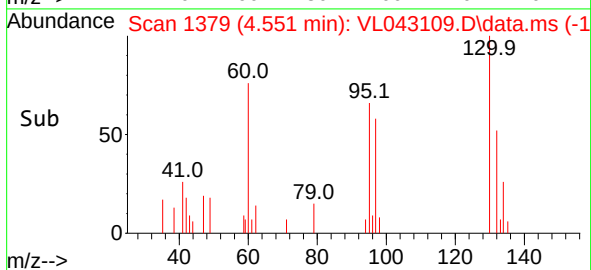
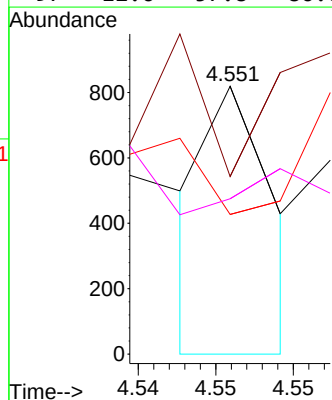
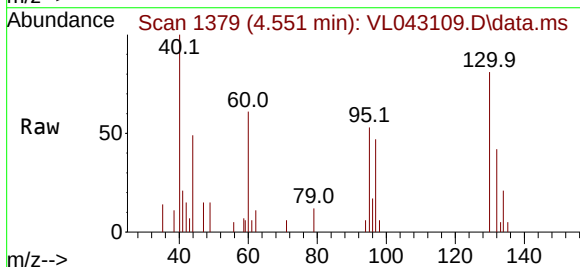
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

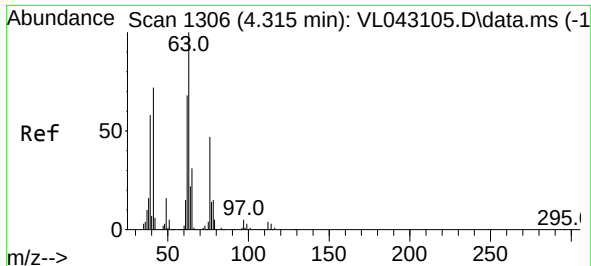
Tgt Ion: 62 Resp: 1448
Ion Ratio Lower Upper
62 100
98 9.5 5.8 8.6#



#38
Trichloroethene
Concen: 0.019 ppbv
RT: 4.551 min Scan# 1379
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:130 Resp: 242
Ion Ratio Lower Upper
130 100
95 0.0 88.6 133.0#
132 0.0 73.4 110.0#
97 12.6 57.8 86.6#





#39

1,2-Dichloropropane

Concen: 7.054 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.353 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

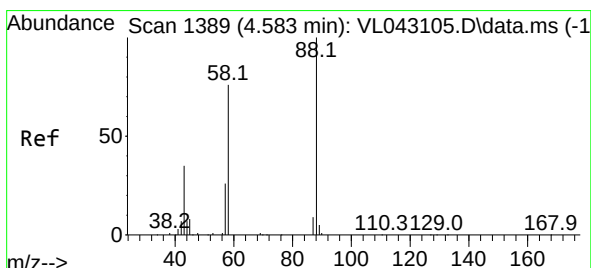
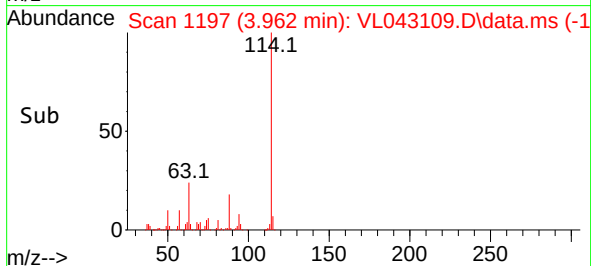
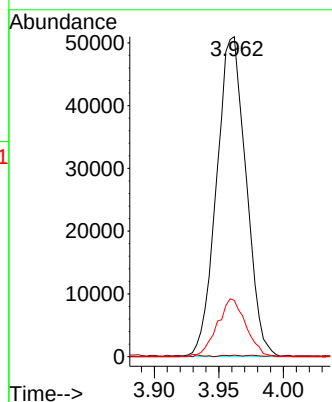
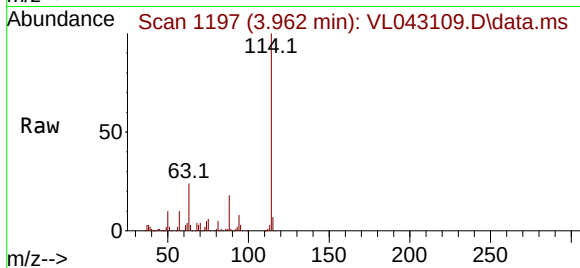
Tgt Ion: 63 Resp: 80849

Ion Ratio Lower Upper

63 100

41 0.5 58.0 87.0#

62 17.6 54.7 82.1#



#40

1,4-Dioxane

Concen: 0.066 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.026 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Tgt Ion: 88 Resp: 339

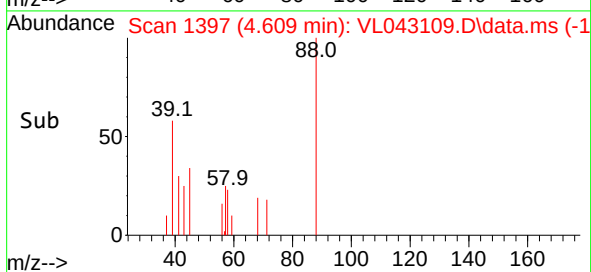
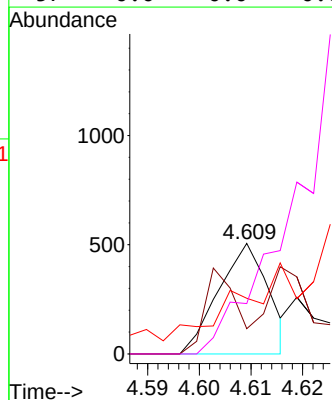
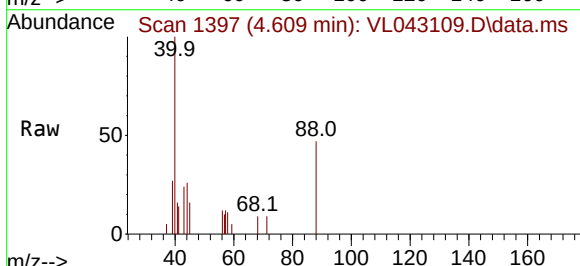
Ion Ratio Lower Upper

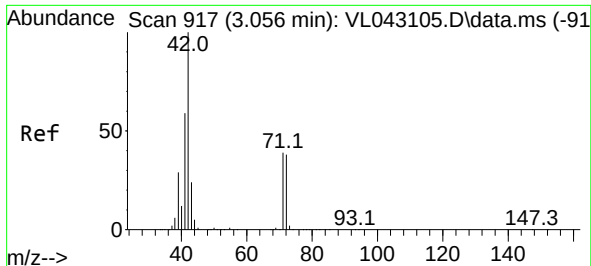
88 100

58 14.2 61.1 91.7#

43 48.4 24.0 36.0#

57 0.0 0.0 0.0

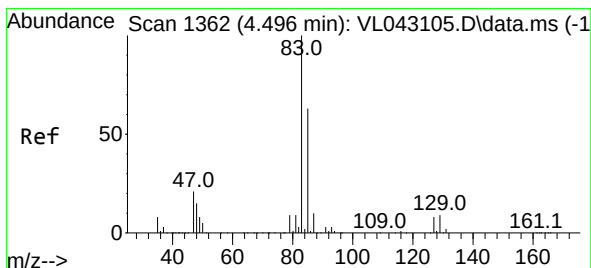
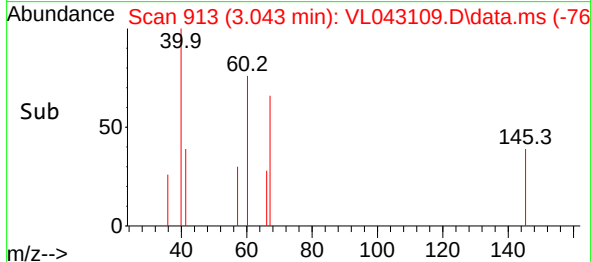
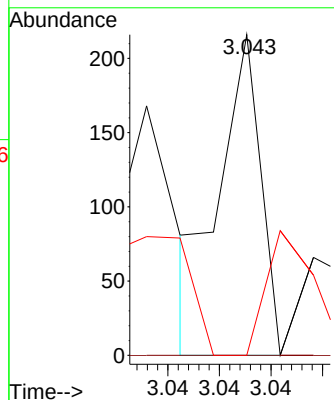
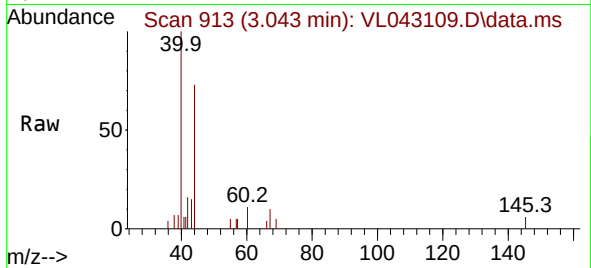




#41
Tetrahydrofuran
Concen: 0.005 ppbv
RT: 3.043 min Scan# 917
Delta R.T. -0.013 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

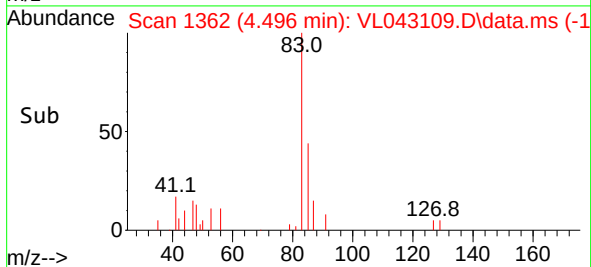
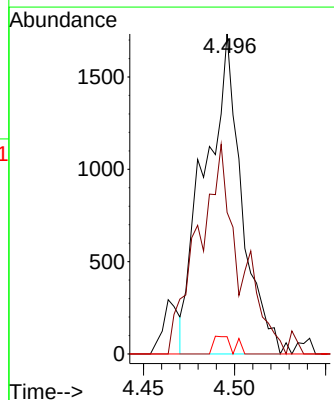
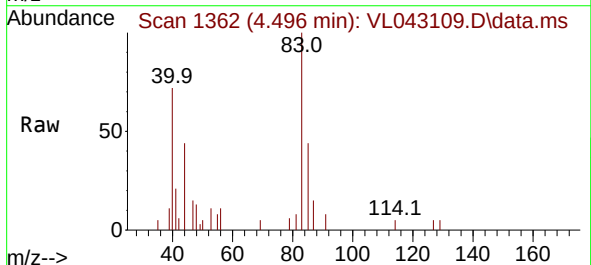
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

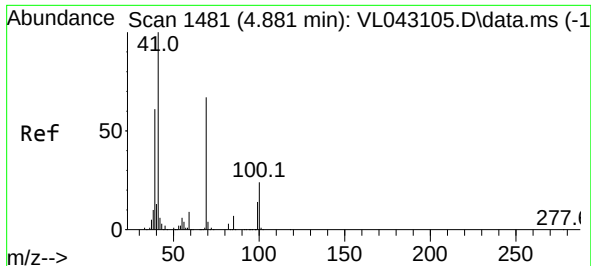
Tgt Ion: 42 Resp: 58
Ion Ratio Lower Upper
42 100
72 0.0 31.3 46.9#
71 0.0 30.4 45.6#



#42
Bromodichloromethane
Concen: 0.098 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 83 Resp: 2440
Ion Ratio Lower Upper
83 100
85 40.1 50.6 75.8#
127 5.4 6.3 9.5#

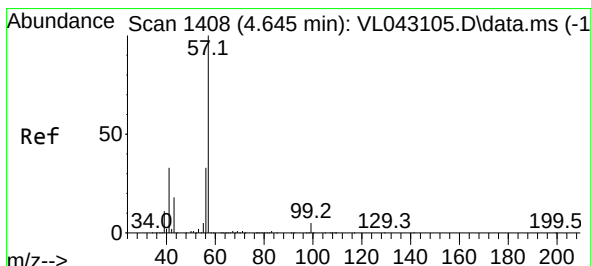
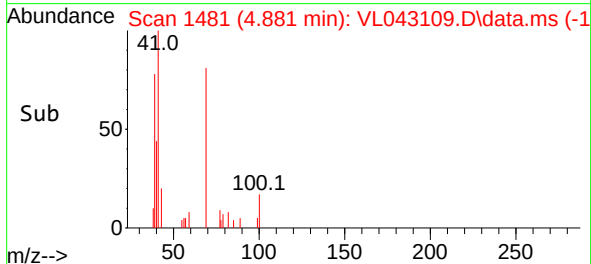
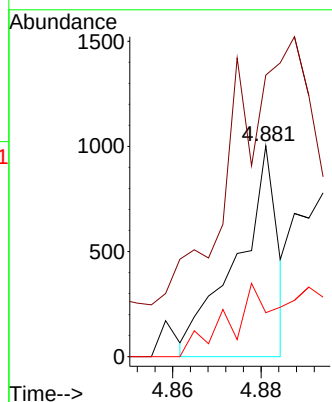
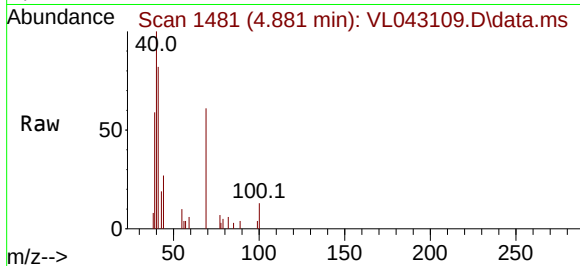




#43
Methyl Methacrylate
Concen: 0.040 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

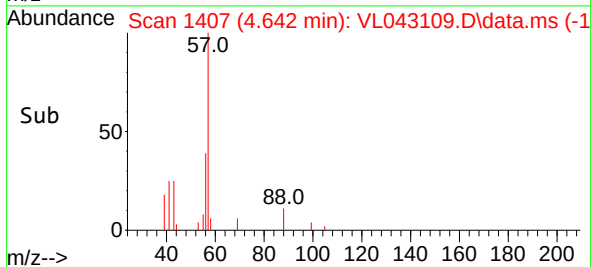
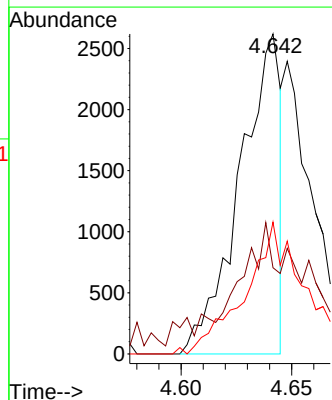
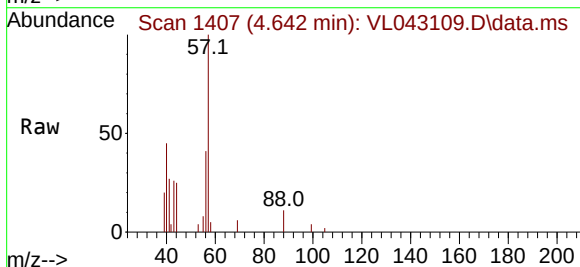
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

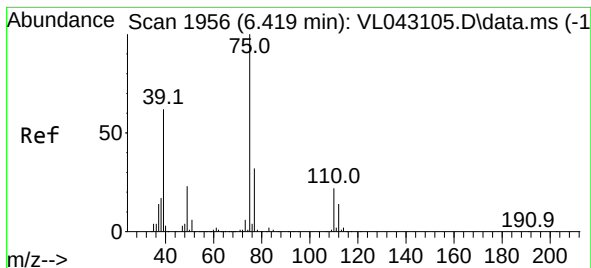
Tgt Ion: 69 Resp: 636
Ion Ratio Lower Upper
69 100
41 0.0 120.5 180.7#
100 0.0 29.0 43.4#



#44
2,2,4-Trimethylpentane
Concen: 0.064 ppbv
RT: 4.642 min Scan# 1407
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 57 Resp: 3354
Ion Ratio Lower Upper
57 100
41 68.1 26.3 39.5#
56 59.0 25.9 38.9#





#45

t-1,3-Dichloropropene

Concen: 0.039 ppbv

RT: 6.425 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

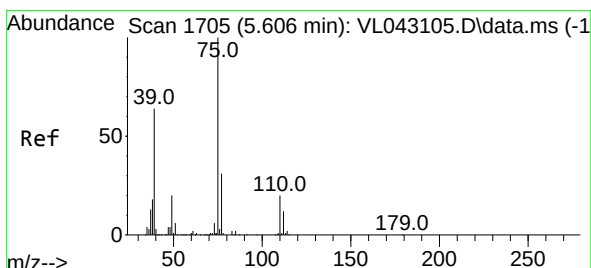
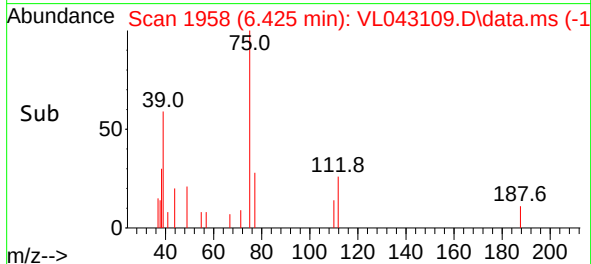
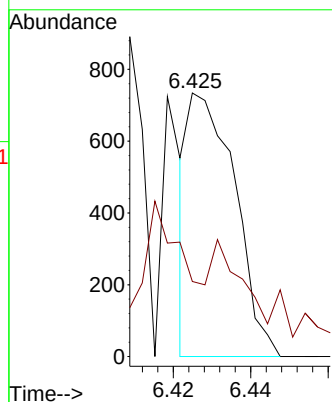
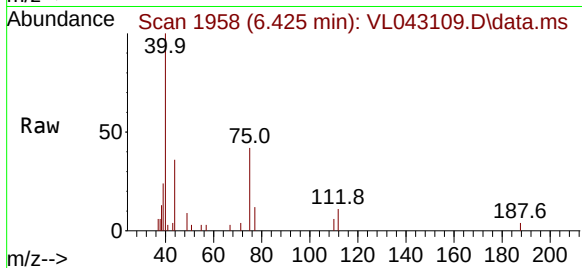
VSTDIC0.1

Tgt Ion: 75 Resp: 617

Ion Ratio Lower Upper

75 100

77 28.5 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 0.025 ppbv

RT: 5.596 min Scan# 1702

Delta R.T. -0.010 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

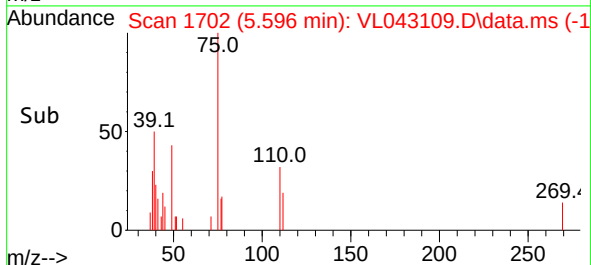
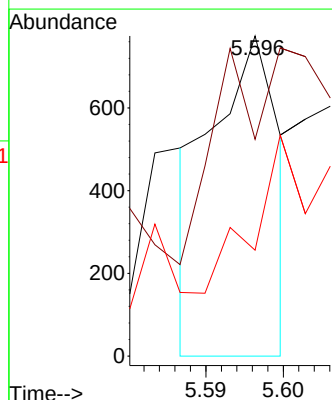
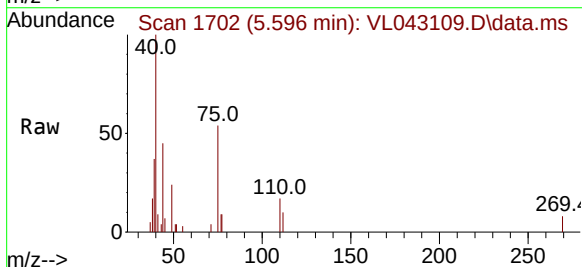
Tgt Ion: 75 Resp: 472

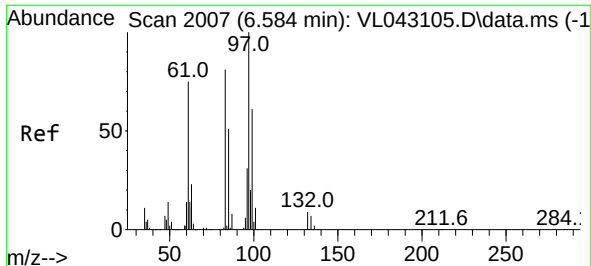
Ion Ratio Lower Upper

75 100

39 111.8 51.0 76.6#

77 37.6 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.058 ppbv

RT: 6.587 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 716

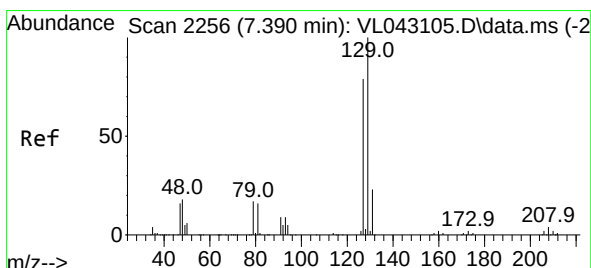
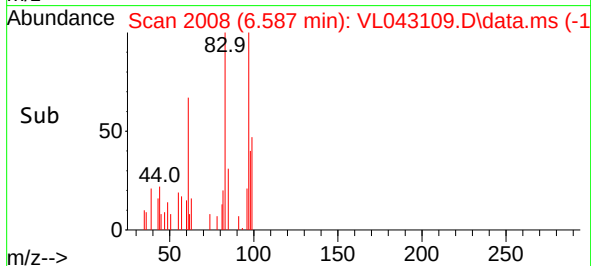
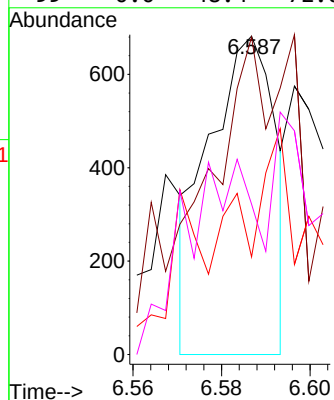
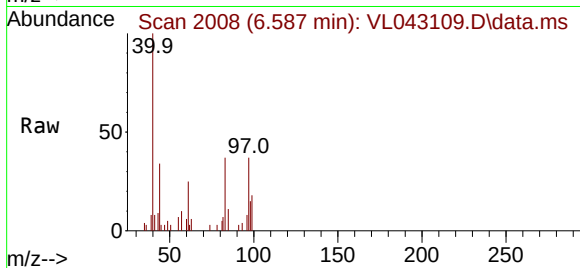
Ion Ratio Lower Upper

97 100

83 117.6 64.6 96.8#

85 0.0 40.6 60.8#

99 0.0 48.4 72.6#



#48

Dibromochloromethane

Concen: 0.073 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.003 min

Lab File: VL043109.D

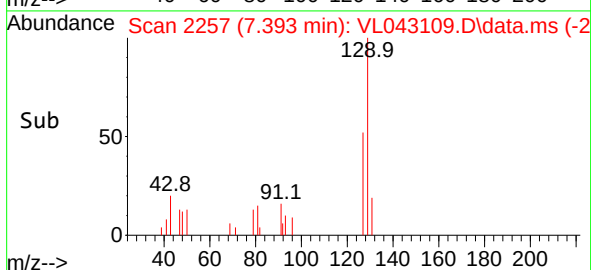
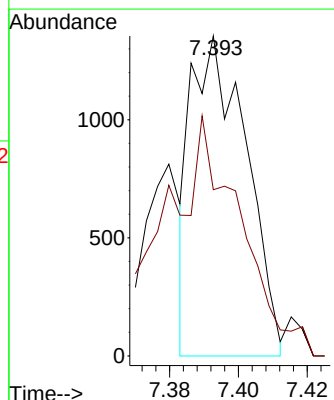
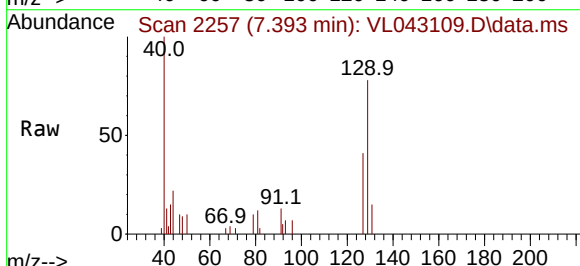
Acq: 14 Oct 2025 13:08

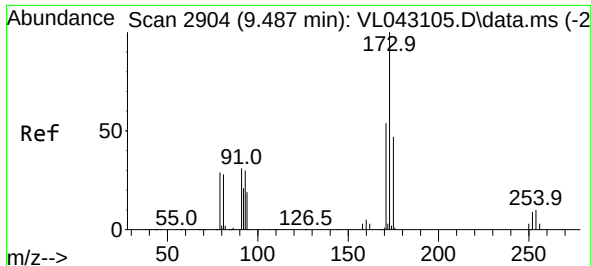
Tgt Ion: 129 Resp: 1506

Ion Ratio Lower Upper

129 100

127 102.8 39.3 117.9

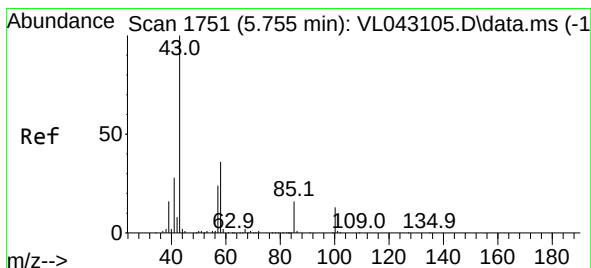
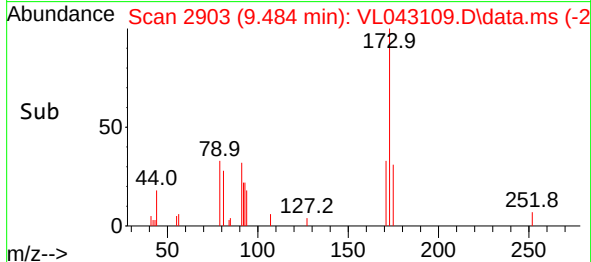
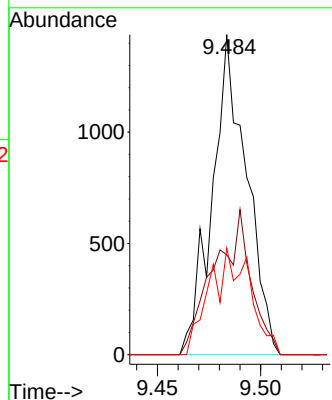
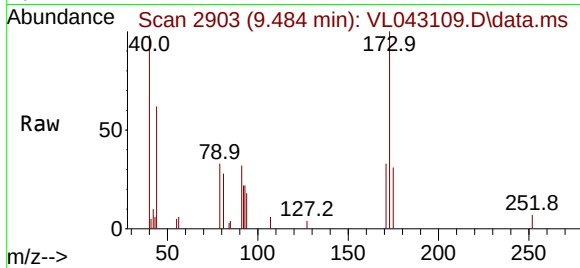




#49
Bromoform
Concen: 0.099 ppbv
RT: 9.484 min Scan# 2904
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

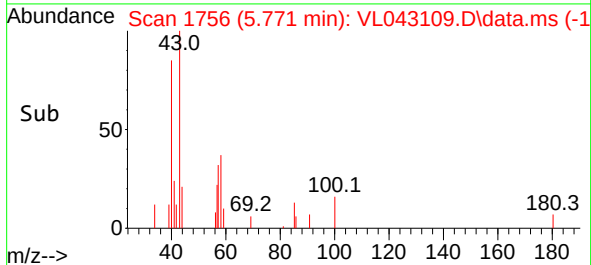
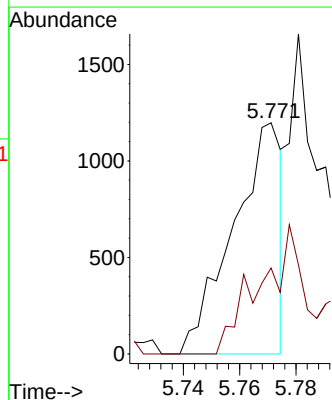
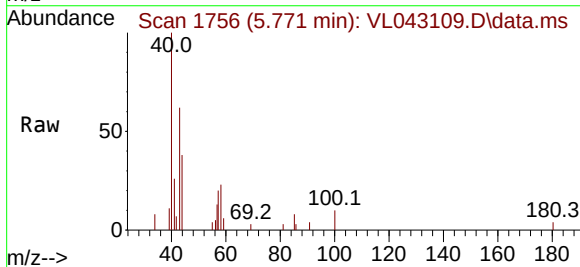
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

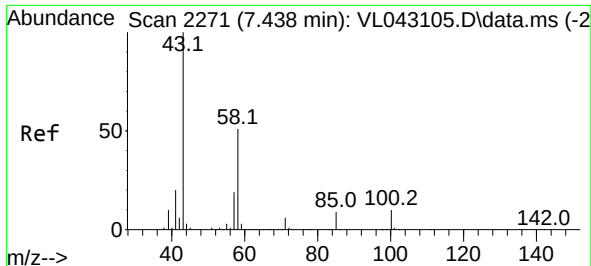
Tgt Ion:173 Resp: 1666
Ion Ratio Lower Upper
173 100
175 48.9 38.8 58.2
171 39.1 41.7 62.5#



#50
4-Methyl-2-Pentanone
Concen: 0.046 ppbv
RT: 5.771 min Scan# 1756
Delta R.T. 0.016 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 43 Resp: 1420
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#

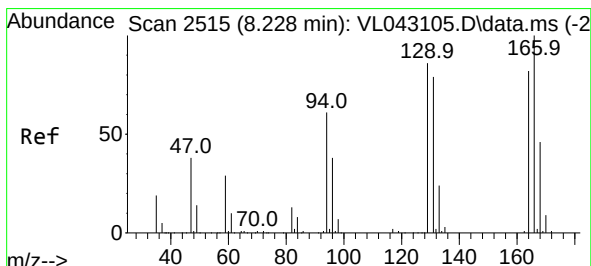
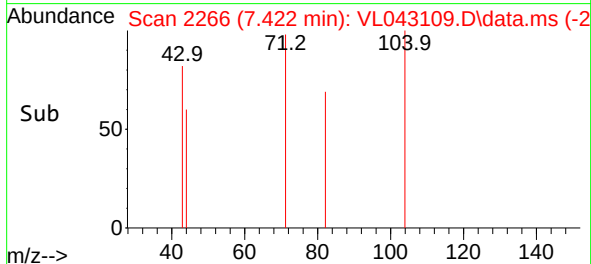
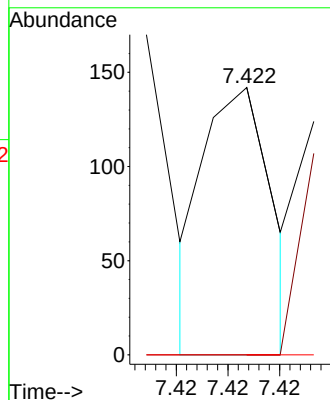
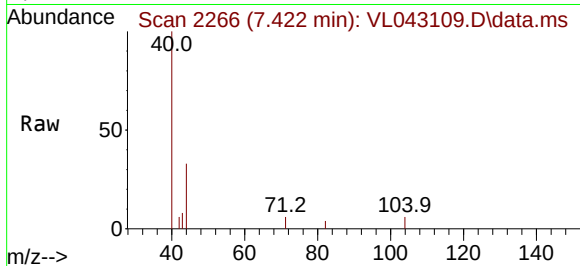




#51
2-Hexanone
Concen: 0.003 ppbv
RT: 7.422 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

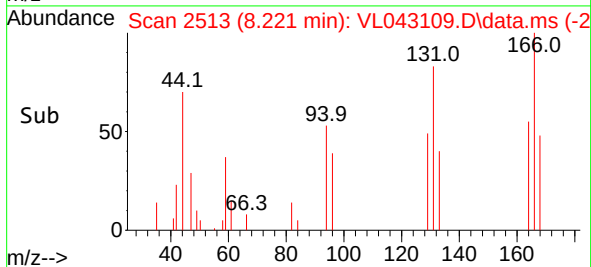
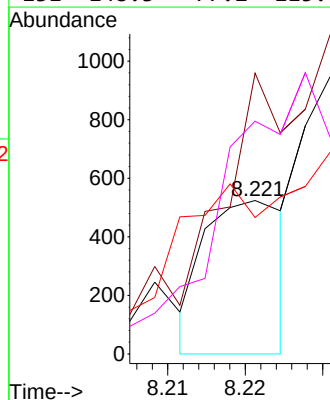
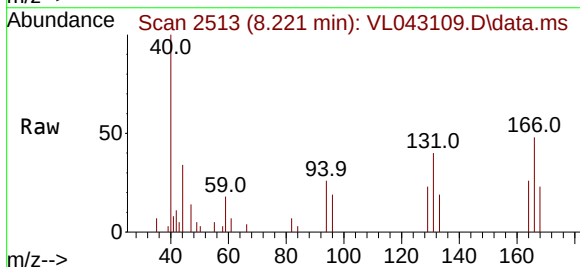
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

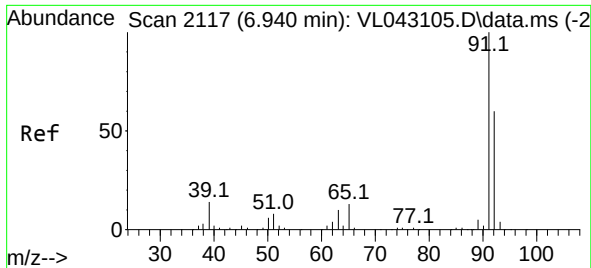
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 40.4 60.6#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.033 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 164 Resp: 377
Ion Ratio Lower Upper
164 100
166 208.1 97.6 146.4#
129 0.0 84.5 126.7#
131 148.3 77.2 115.8#

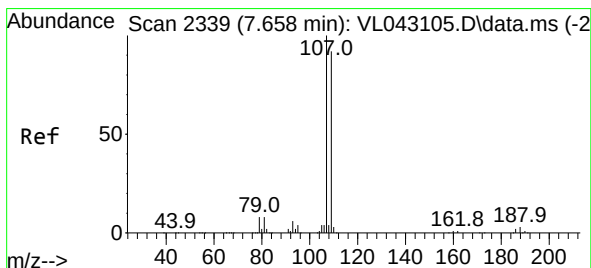
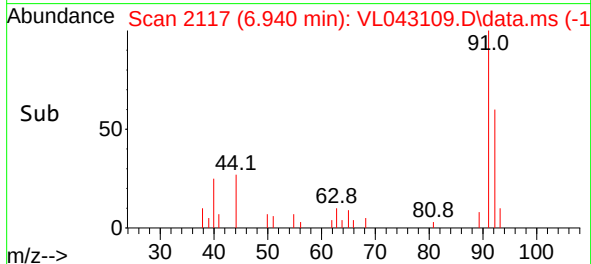
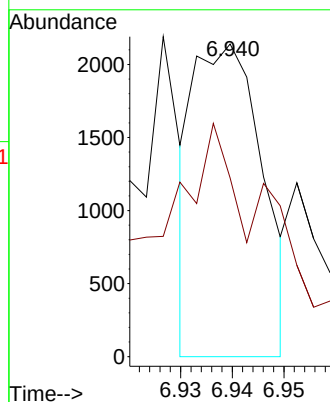
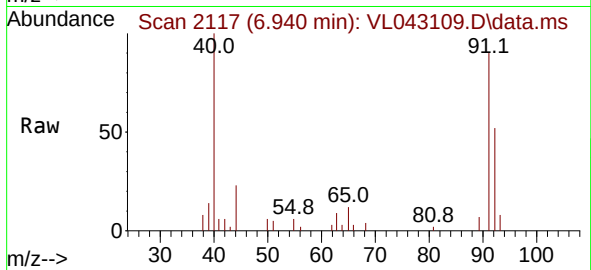




#53
Toluene
Concen: 0.053 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

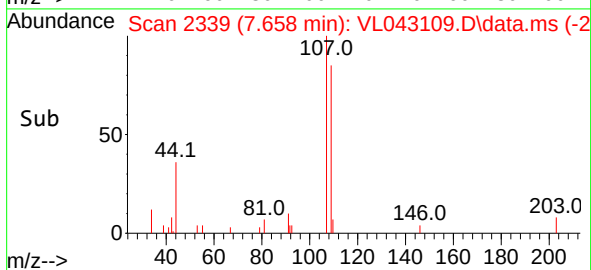
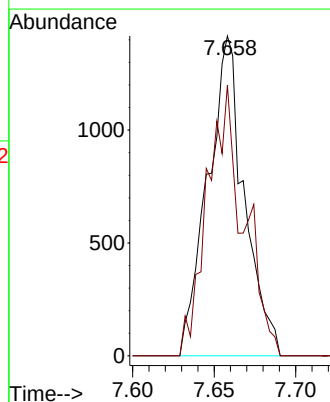
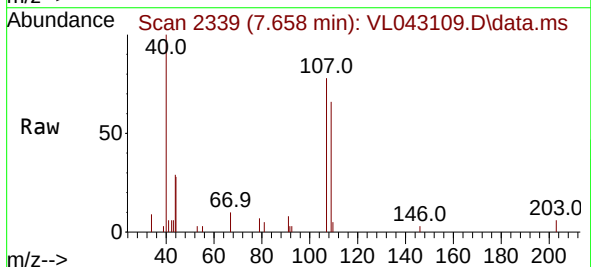
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

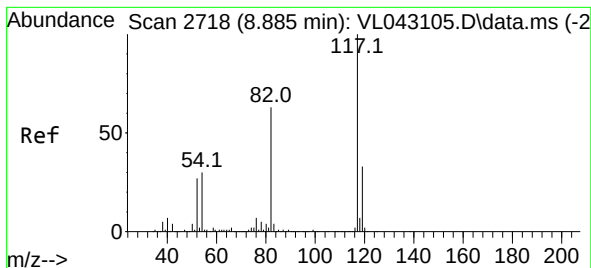
Tgt Ion: 91 Resp: 1973
Ion Ratio Lower Upper
91 100
92 130.1 48.8 73.2#



#54
1,2-Dibromoethane
Concen: 0.113 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 107 Resp: 2201
Ion Ratio Lower Upper
107 100
109 91.5 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: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

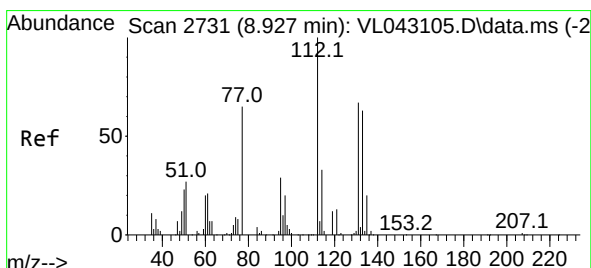
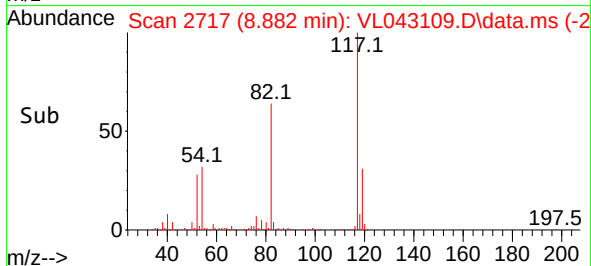
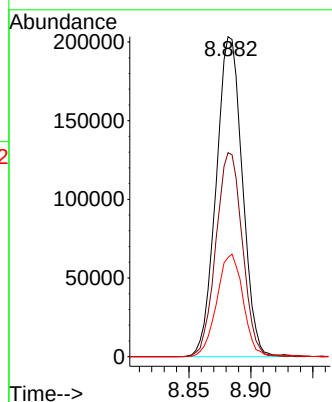
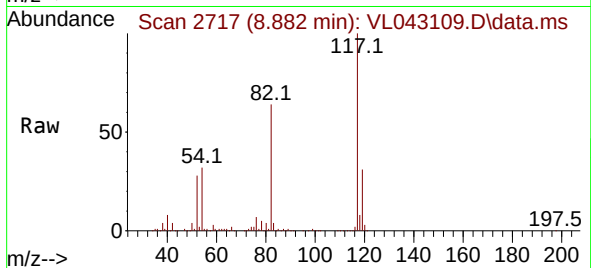
Tgt Ion:117 Resp: 299676

Ion Ratio Lower Upper

117 100

82 64.3 53.8 80.8

119 32.5 25.4 38.0



#56

1,1,1,2-Tetrachloroethane

Concen: 0.080 ppbv

RT: 8.927 min Scan# 2731

Delta R.T. -0.000 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

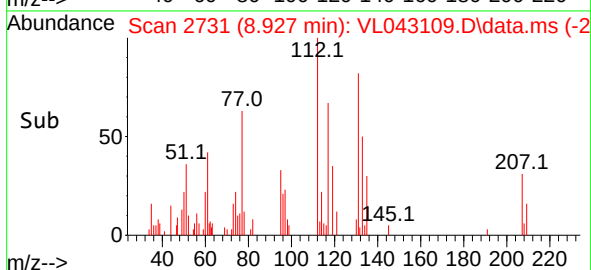
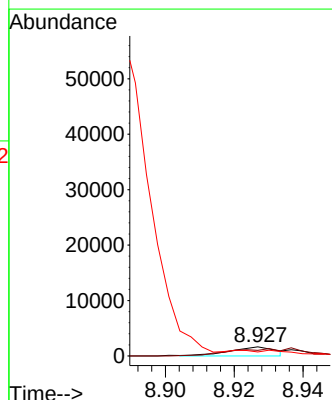
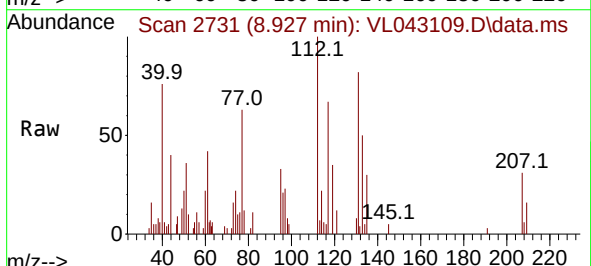
Tgt Ion:131 Resp: 1509

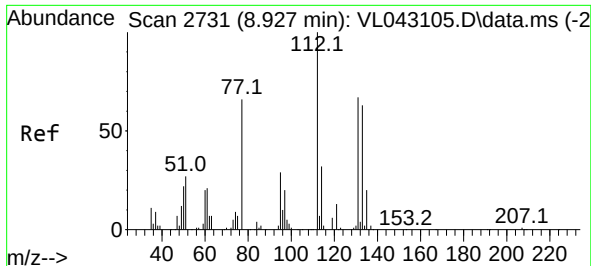
Ion Ratio Lower Upper

131 100

133 0.0 75.7 113.5#

119 0.0 50.6 76.0#

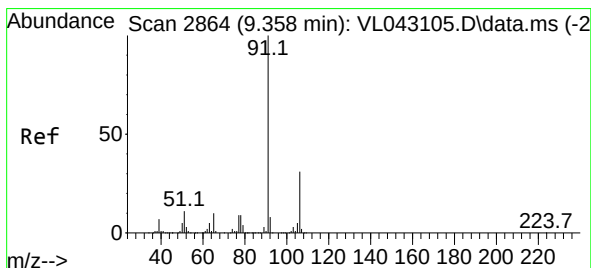
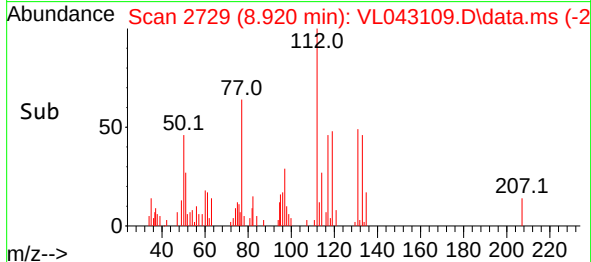
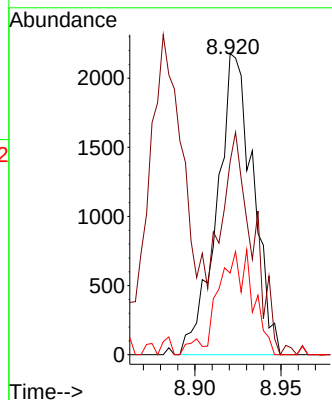
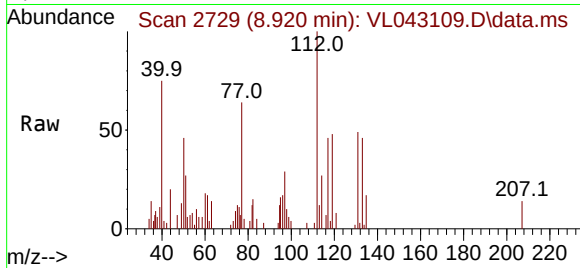




#57
Chlorobenzene
Concen: 0.113 ppbv
RT: 8.920 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

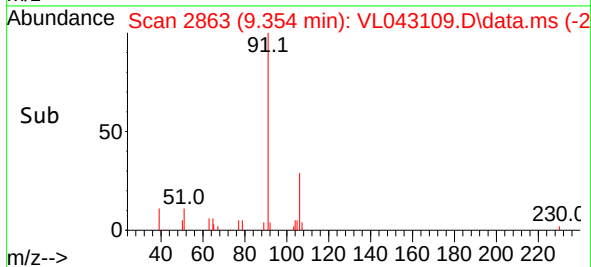
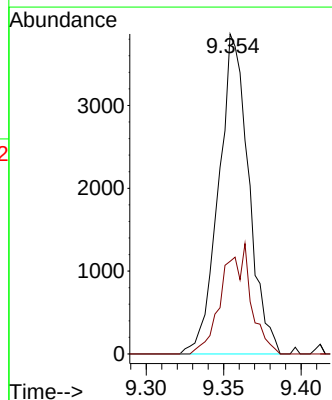
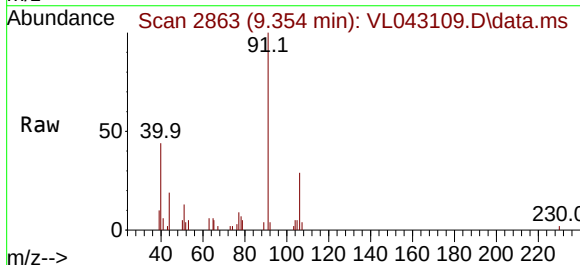
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

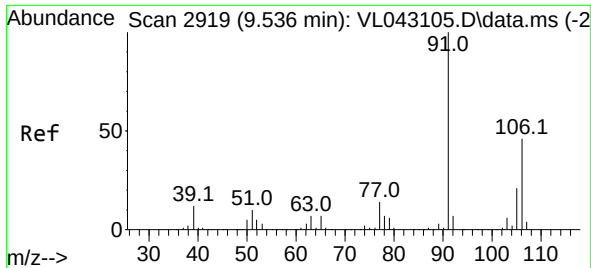
Tgt Ion:112 Resp: 3177
Ion Ratio Lower Upper
112 100
77 64.1 53.3 79.9
114 27.1 29.3 35.8#



#58
Ethyl Benzene
Concen: 0.100 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 91 Resp: 5210
Ion Ratio Lower Upper
91 100
106 29.0 24.8 37.2





#59

m/p-Xylene

Concen: 0.078 ppbv

RT: 9.535 min Scan# 2919

Delta R.T. -0.000 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

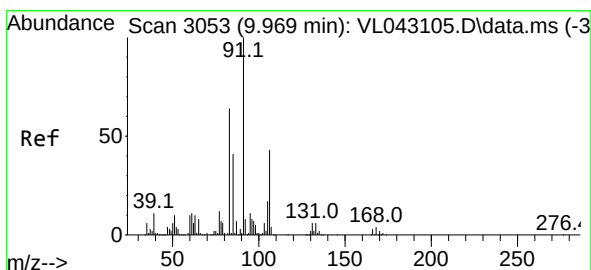
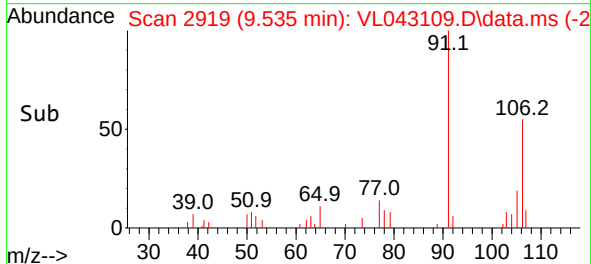
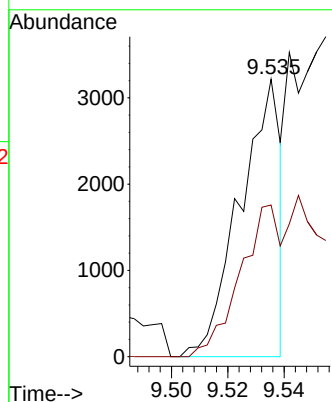
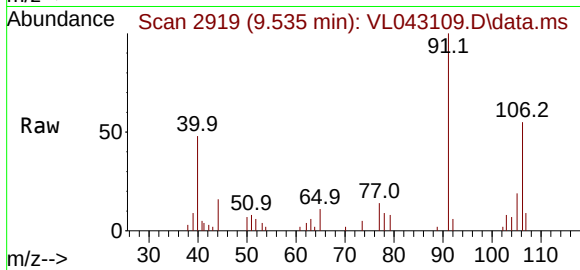
VSTDIC0.1

Tgt Ion: 91 Resp: 3213

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#



#60

o-Xylene

Concen: 0.085 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. -0.007 min

Lab File: VL043109.D

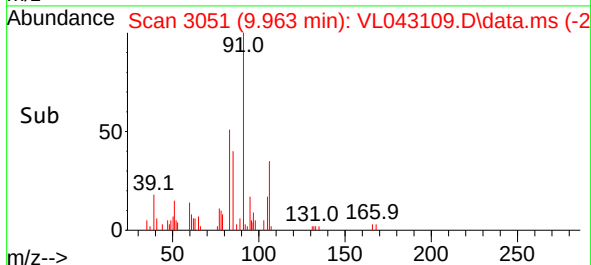
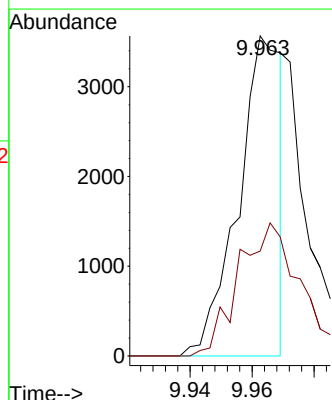
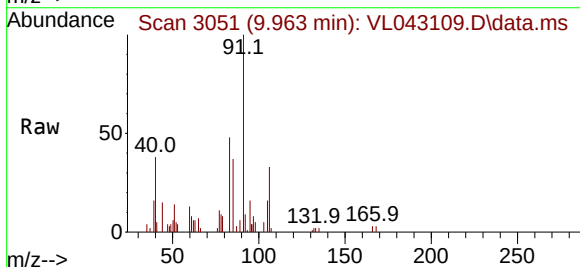
Acq: 14 Oct 2025 13:08

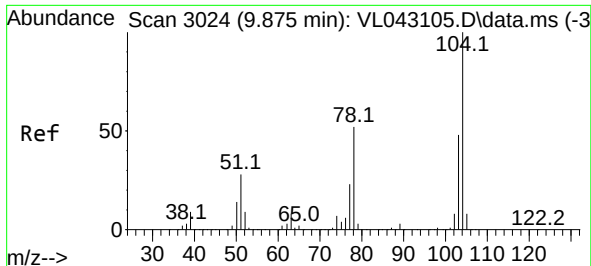
Tgt Ion: 91 Resp: 3450

Ion Ratio Lower Upper

91 100

106 57.9 21.9 65.8

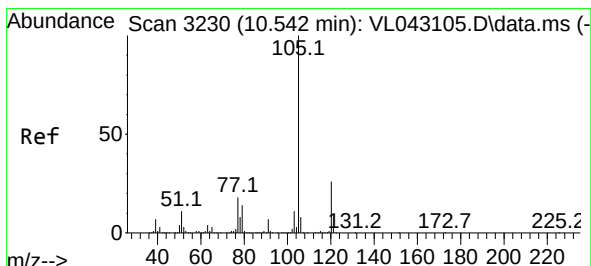
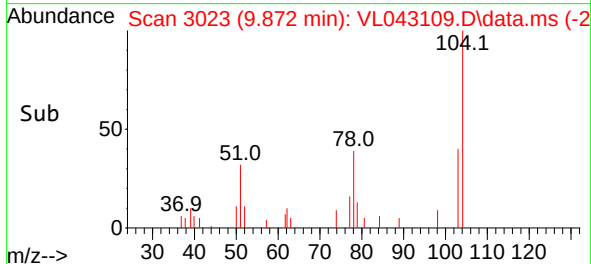
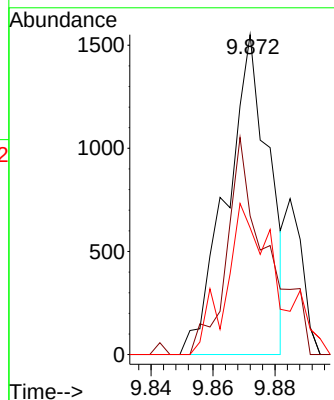
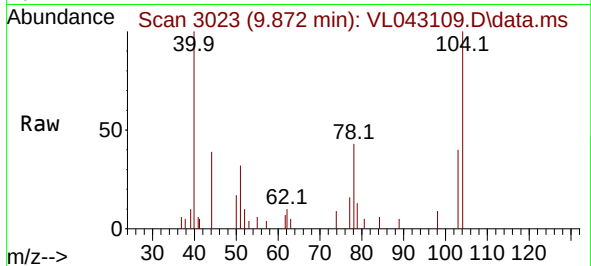




#61
Styrene
Concen: 0.081 ppbv
RT: 9.872 min Scan# 3024
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

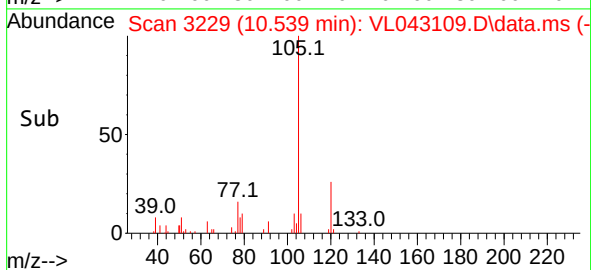
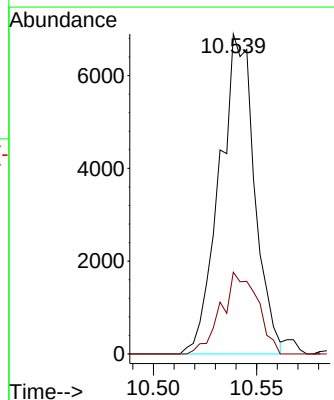
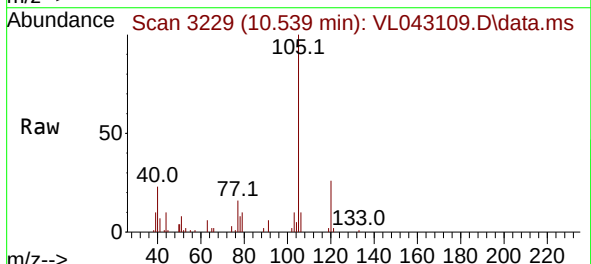
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

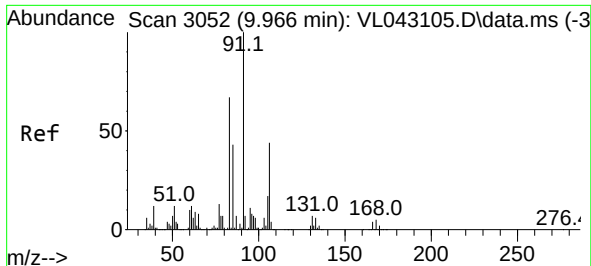
Tgt Ion:104 Resp: 1475
Ion Ratio Lower Upper
104 100
78 64.6 40.2 60.2#
103 56.3 36.9 55.3#



#62
Isopropylbenzene
Concen: 0.111 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:105 Resp: 8132
Ion Ratio Lower Upper
105 100
120 26.5 20.2 30.4

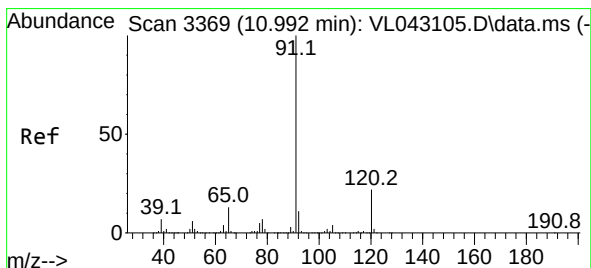
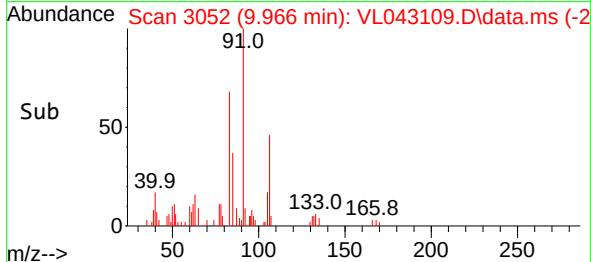
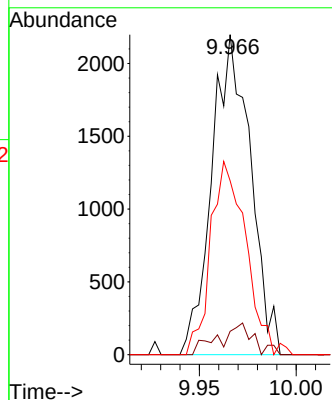
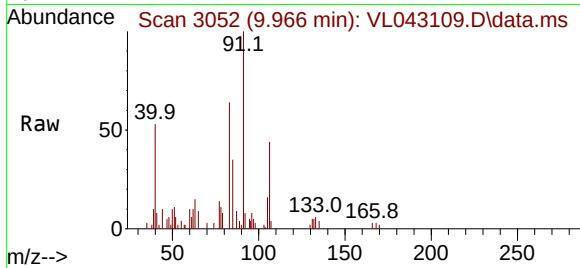




#63
1,1,2,2-Tetrachloroethane
Concen: 0.113 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

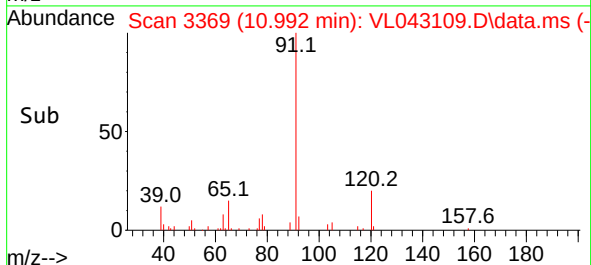
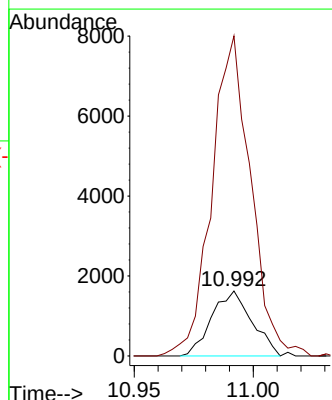
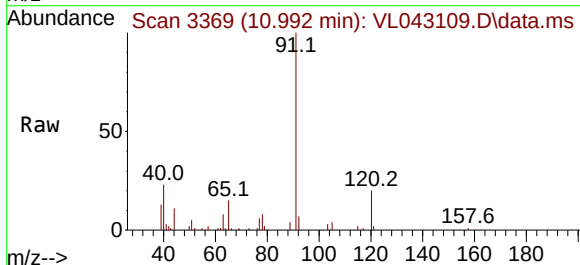
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

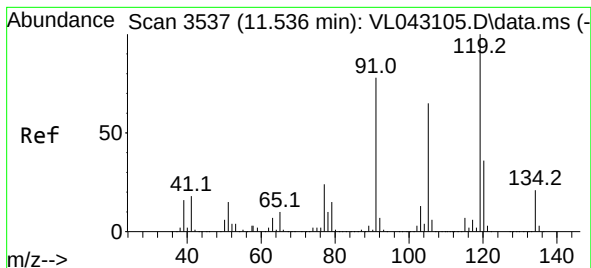
Tgt Ion:	83	Resp:	3053
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.8	14.3
85	55.2	32.0	96.0



#64
n-propylbenzene
Concen: 0.098 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:	120	Resp:	1906
Ion	Ratio	Lower	Upper
120	100		
91	484.6	361.6	542.4





#65

tert-Butylbenzene

Concen: 0.108 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

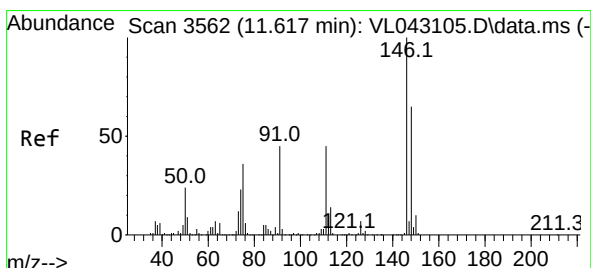
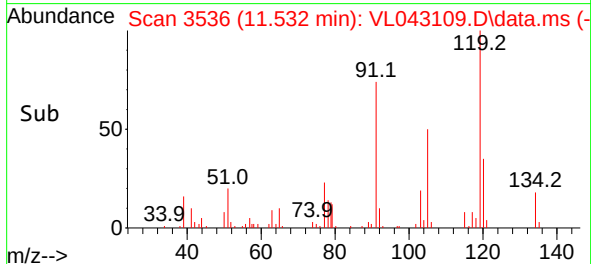
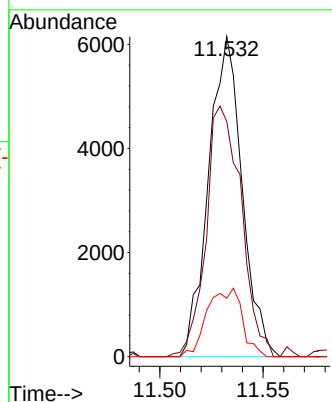
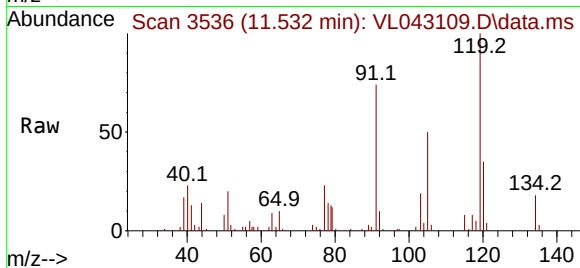
Tgt Ion:119 Resp: 6951

Ion Ratio Lower Upper

119 100

91 82.7 63.4 95.0

134 22.2 17.3 25.9



#66

Benzyl Chloride

Concen: 0.038 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. -0.000 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

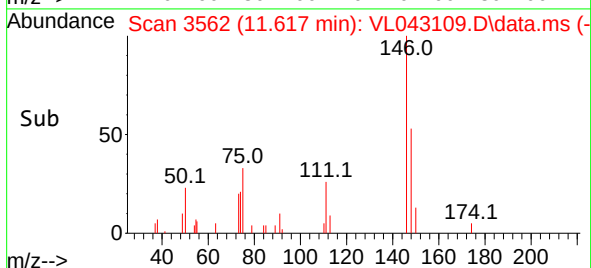
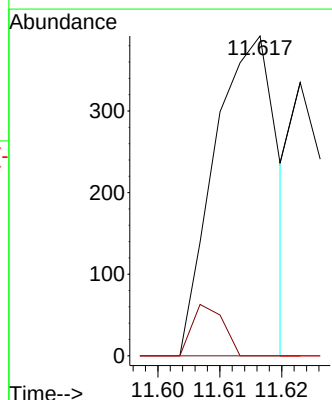
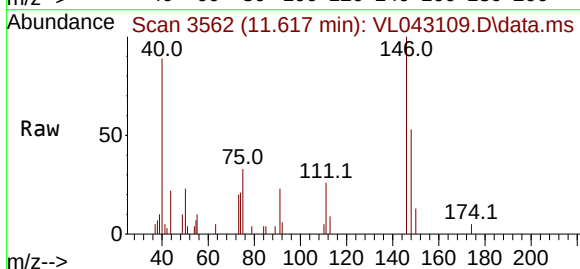
Tgt Ion: 91 Resp: 277

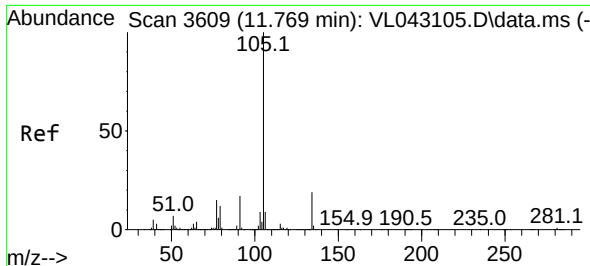
Ion Ratio Lower Upper

91 100

126 7.9 14.6 22.0#

128 0.0 4.6 6.8#

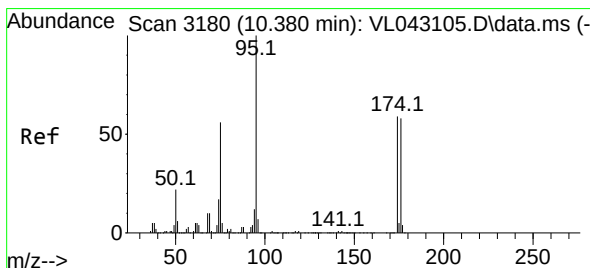
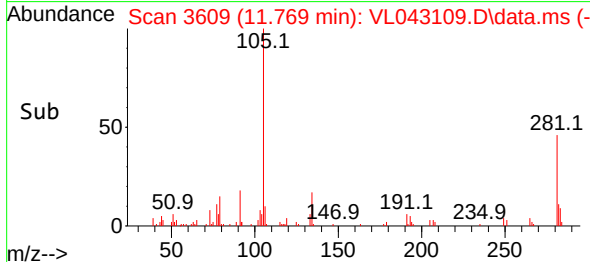
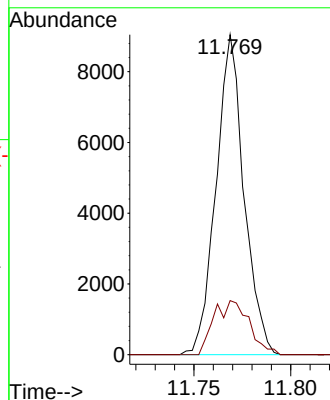
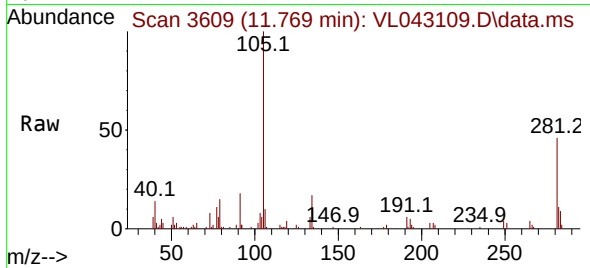




#67
 sec-Butylbenzene
 Concen: 0.099 ppbv
 RT: 11.769 min Scan# 3179
 Delta R.T. -0.000 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

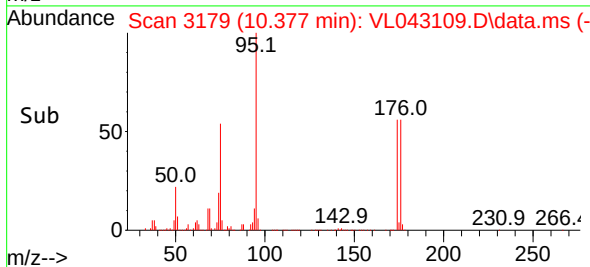
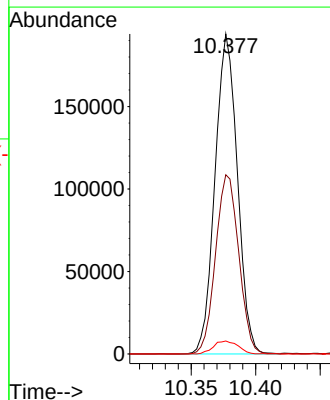
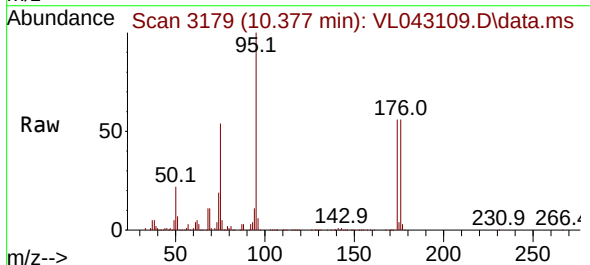
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

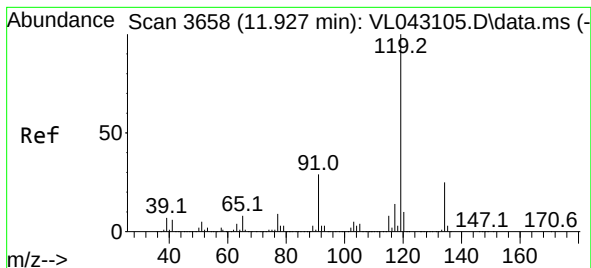
Tgt Ion:105 Resp: 9081
 Ion Ratio Lower Upper
 105 100
 134 21.4 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.032 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. -0.003 min
 Lab File: VL043109.D
 Acq: 14 Oct 2025 13:08

Tgt Ion: 95 Resp: 233673
 Ion Ratio Lower Upper
 95 100
 174 58.0 48.3 72.5
 175 4.5 3.8 5.8





#69

p-Isopropyltoluene

Concen: 0.104 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.000 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

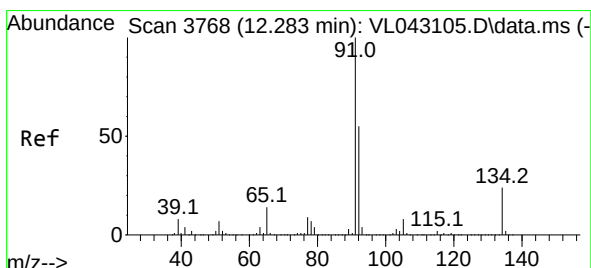
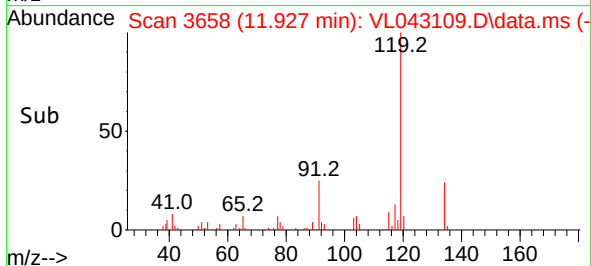
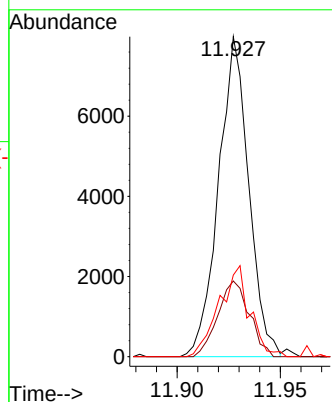
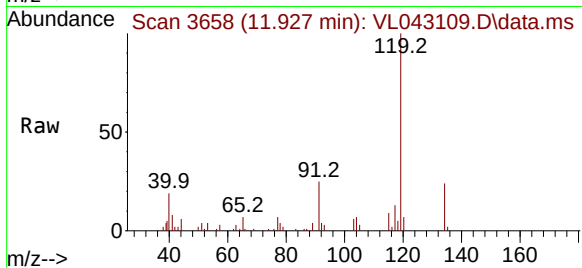
Tgt Ion:119 Resp: 8105

Ion Ratio Lower Upper

119 100

134 24.7 20.3 30.5

91 29.5 22.6 33.8



#70

n-Butylbenzene

Concen: 0.086 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

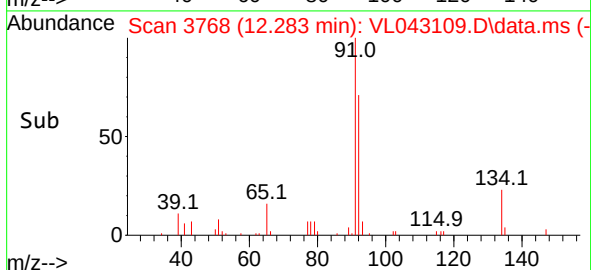
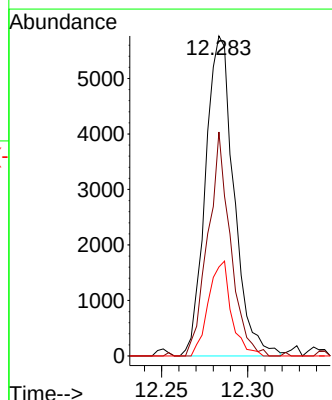
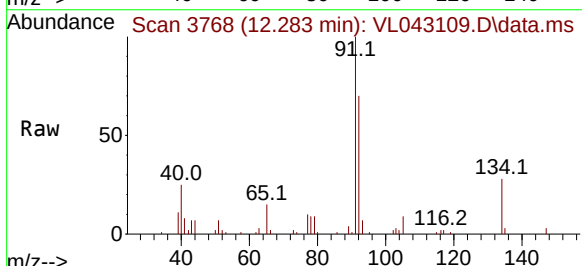
Tgt Ion: 91 Resp: 6640

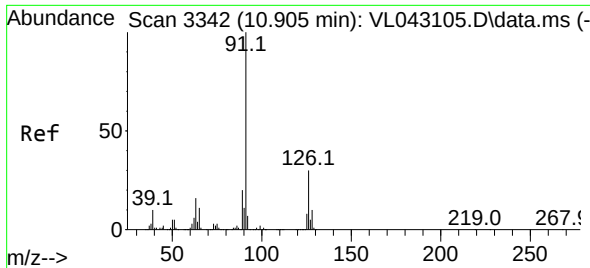
Ion Ratio Lower Upper

91 100

92 55.6 44.5 66.7

134 23.8 19.3 28.9

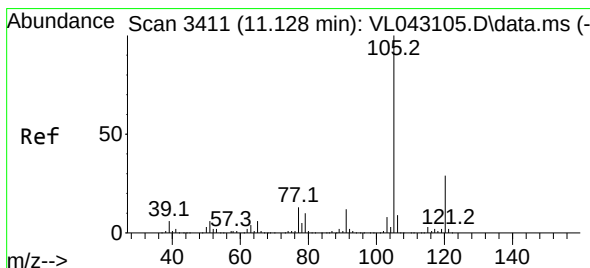
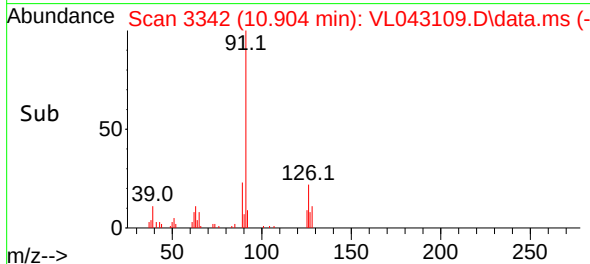
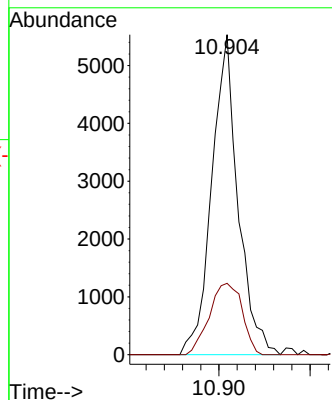
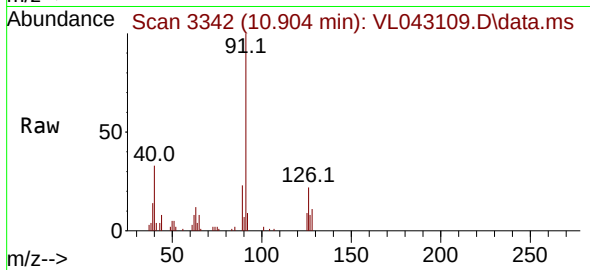




#71
2-Chlorotoluene
Concen: 0.099 ppbv
RT: 10.904 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

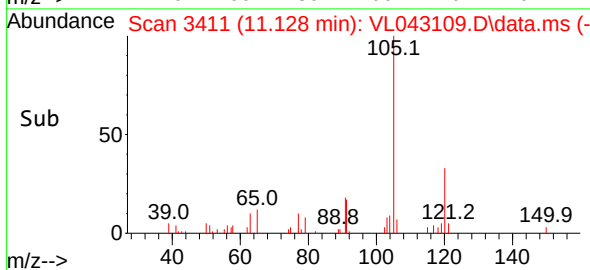
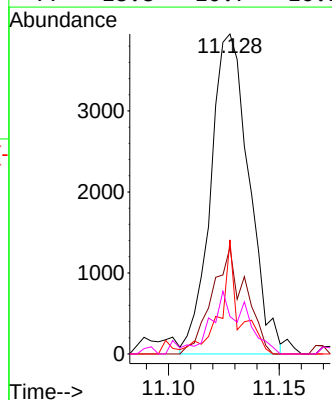
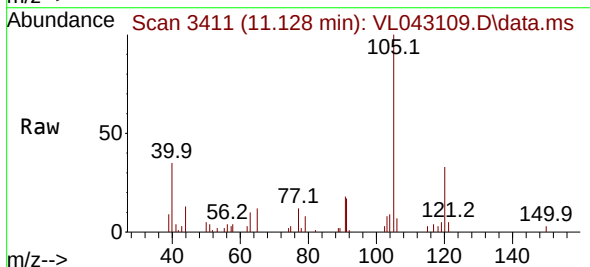
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

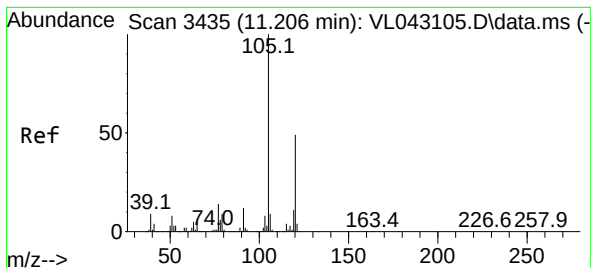
Tgt Ion: 91 Resp: 5527
Ion Ratio Lower Upper
91 100
126 27.9 12.0 48.0



#72
4-Ethyltoluene
Concen: 0.095 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion: 105 Resp: 4754
Ion Ratio Lower Upper
105 100
120 29.1 24.2 36.4
91 18.8 10.0 15.0#
77 18.8 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.114 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

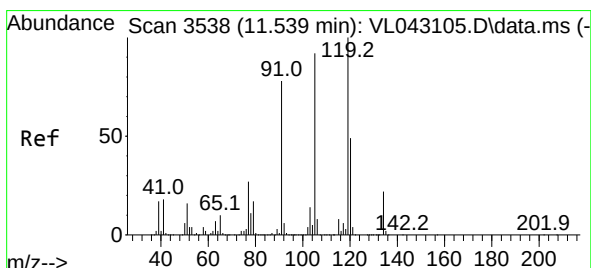
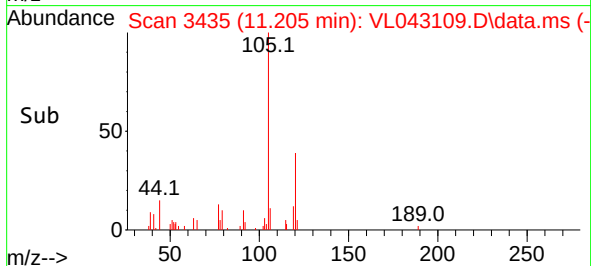
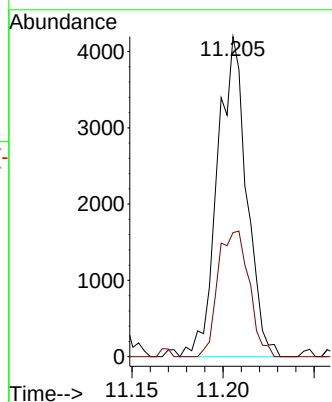
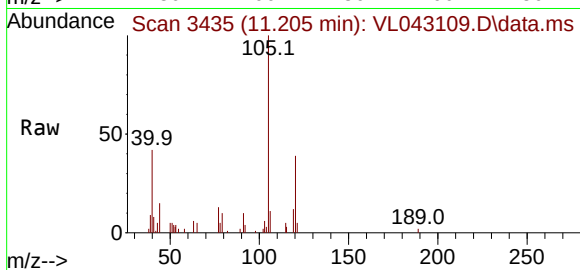
VSTDIC0.1

Tgt Ion:105 Resp: 4680

Ion Ratio Lower Upper

105 100

120 38.7 39.0 58.6#



#74

1,2,4-Trimethylbenzene

Concen: 0.098 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.003 min

Lab File: VL043109.D

Acq: 14 Oct 2025 13:08

Tgt Ion:105 Resp: 4519

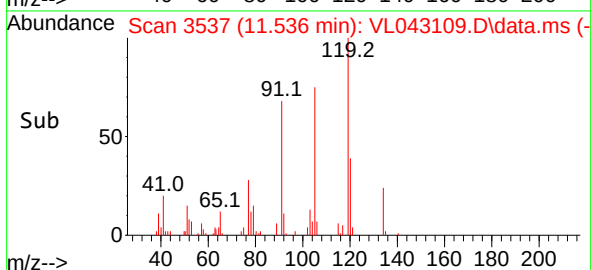
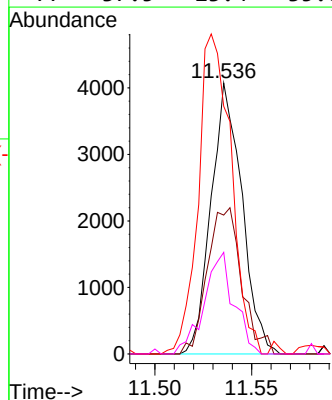
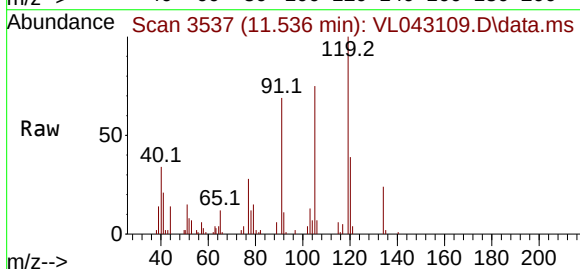
Ion Ratio Lower Upper

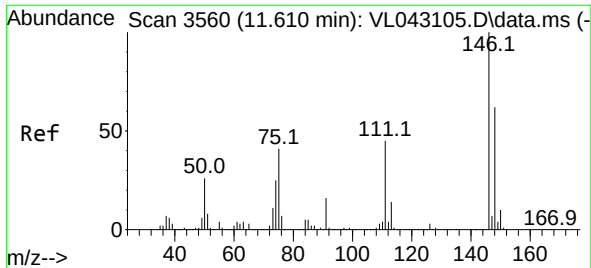
105 100

120 51.3 42.8 64.2

91 89.4 68.3 102.5

77 37.5 23.4 35.0#

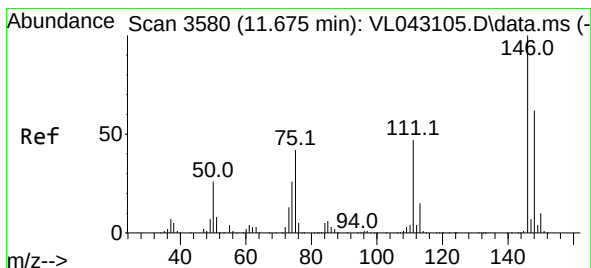
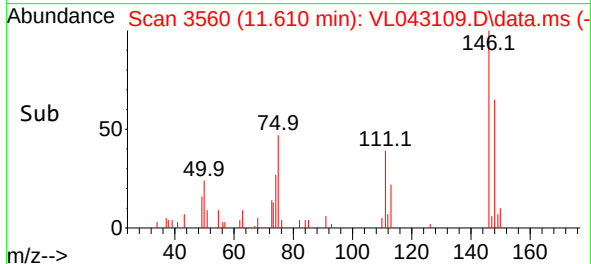
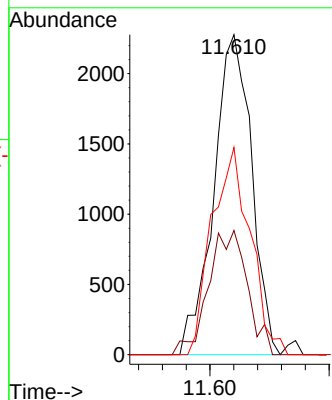
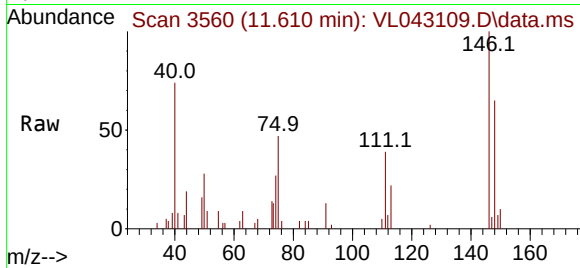




#75
1,3-Dichlorobenzene
Concen: 0.094 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

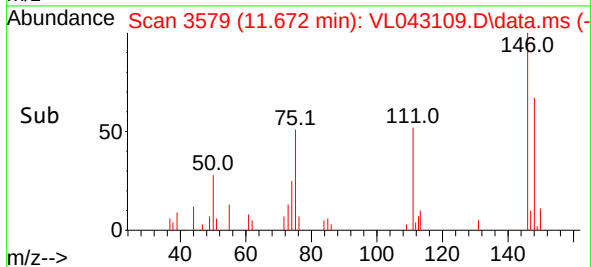
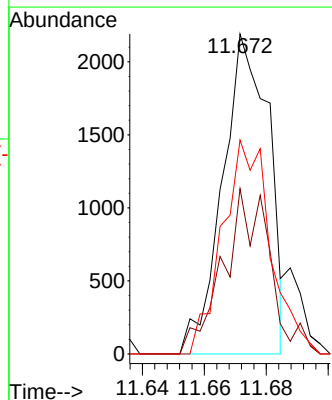
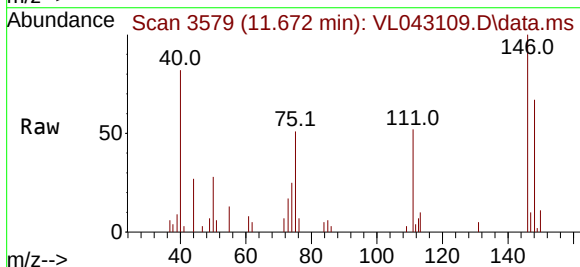
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

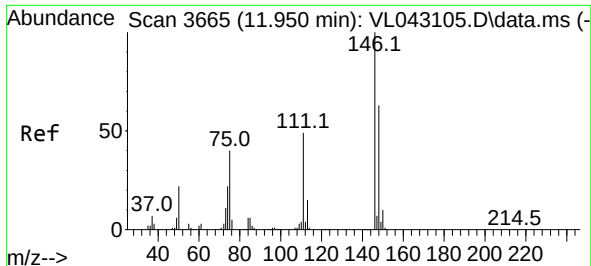
Tgt Ion:146 Resp: 2518
Ion Ratio Lower Upper
146 100
111 39.9 23.3 69.9
148 66.0 31.6 95.0



#76
1,4-Dichlorobenzene
Concen: 0.084 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. -0.003 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:146 Resp: 2266
Ion Ratio Lower Upper
146 100
111 52.0 22.4 67.0
148 69.5 31.6 94.7

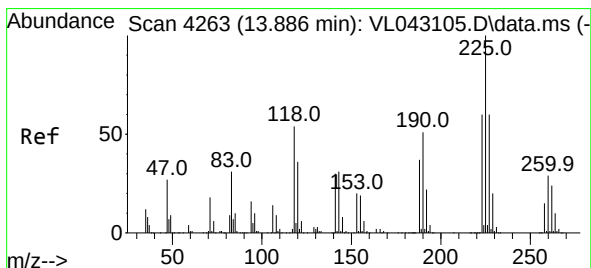
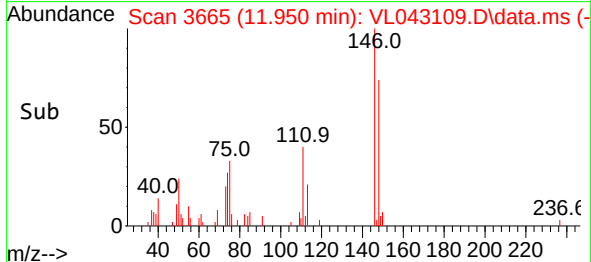
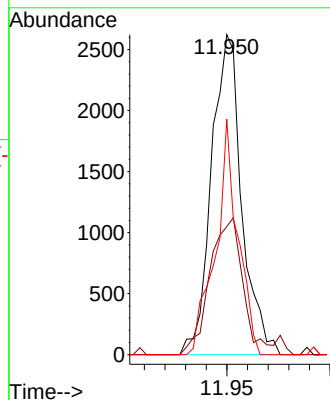
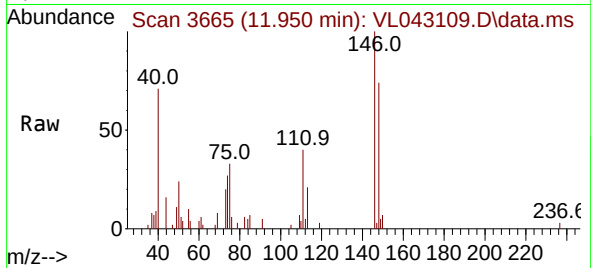




#77
1,2-Dichlorobenzene
Concen: 0.104 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

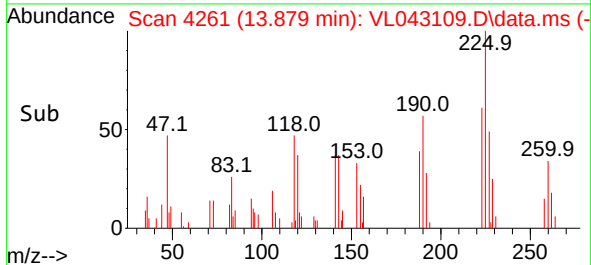
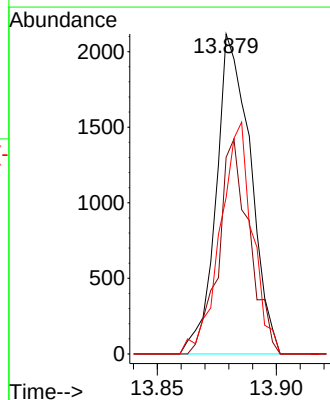
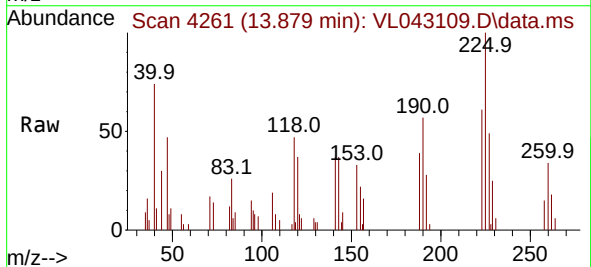
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

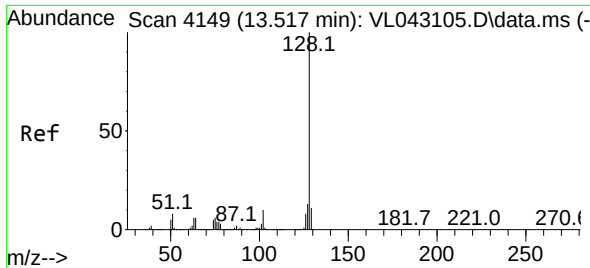
Tgt Ion:	146	Resp:	2676
Ion Ratio	Lower	Upper	
146	100		
111	48.2	24.0	72.0
148	53.9	31.1	93.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.105 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.007 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:	225	Resp:	2107
Ion Ratio	Lower	Upper	
225	100		
223	60.6	50.2	75.4
227	68.2	49.6	74.4

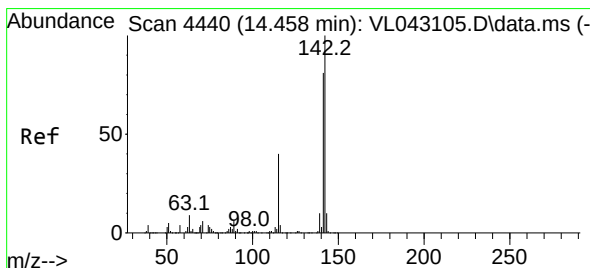
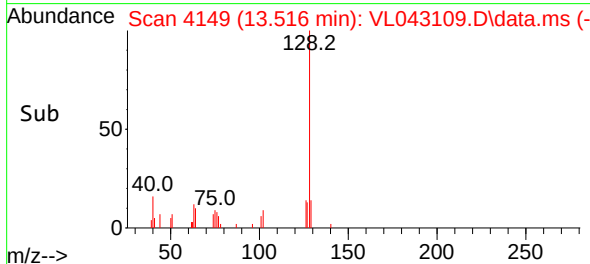
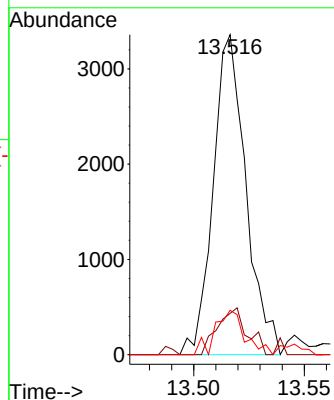
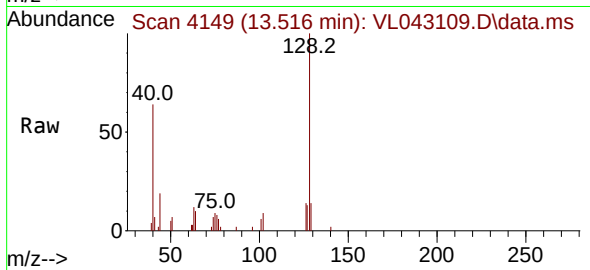




#79
Naphthalene
Concen: 0.073 ppbv
RT: 13.516 min Scan# 4149
Delta R.T. -0.000 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

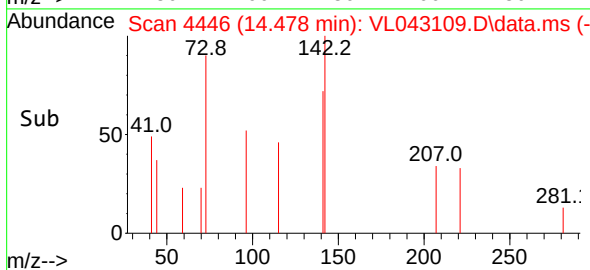
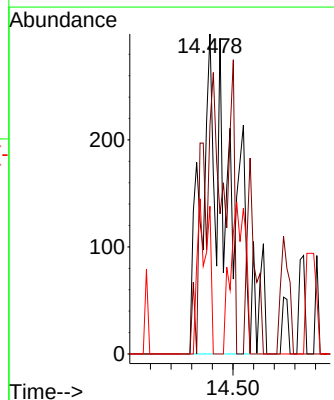
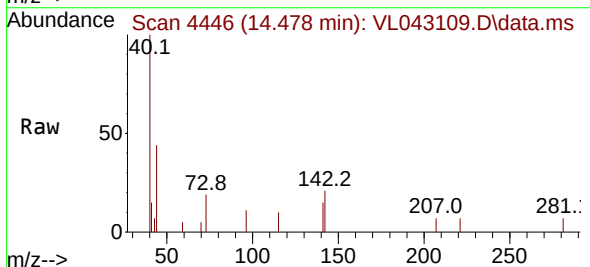
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

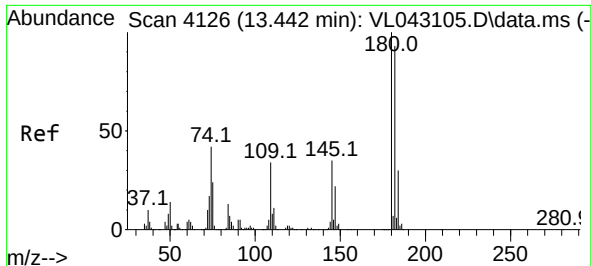
Tgt Ion:128 Resp: 3453
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 13.8 9.1 13.7#



#80
Naphthalene,2-methyl-
Concen: 0.046 ppbv
RT: 14.478 min Scan# 4446
Delta R.T. 0.019 min
Lab File: VL043109.D
Acq: 14 Oct 2025 13:08

Tgt Ion:142 Resp: 582
Ion Ratio Lower Upper
142 100
141 0.0 64.6 97.0#
115 18.2 30.2 45.4#





#81

1,2,4-Trichlorobenzene

Concen: 0.039 ppbv

RT: 13.442 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL043109.D

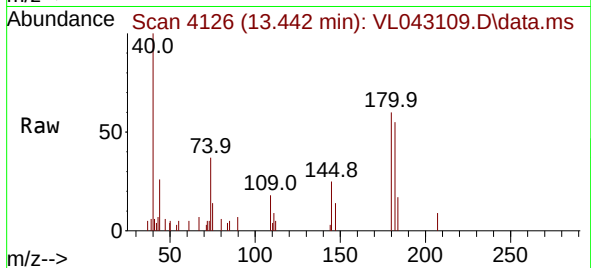
Acq: 14 Oct 2025 13:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1



Tgt Ion:	180	Resp:	774
Ion	Ratio	Lower	Upper
180	100		
182	119.1	75.5	113.3#
184	37.6	23.9	35.9#

