

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
 Data File : VL043133.D
 Acq On : 17 Oct 2025 09:49
 Operator : SY/MD
 Sample : VL1017ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

Quant Time: Oct 18 04:33:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	88592	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	276774	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	241870	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	200910	10.687	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	142819	11.340	ppbv	100
3) Chlorodifluoromethane	1.480	51	129952	9.536	ppbv #	91
4) Chloromethane	1.535	50	48078	9.636	ppbv	99
5) Vinyl Chloride	1.583	62	49874	10.191	ppbv	99
6) Bromomethane	1.671	94	28972	10.796	ppbv	98
7) Chloroethane	1.710	64	19486	9.739	ppbv	99
8) Dichlorotetrafluoroethane	1.557	85	112910	11.092	ppbv	97
9) Propene	1.486	41	47629	7.881	ppbv	99
10) Heptane	4.988	43	138994	7.989	ppbv	96
11) Trichlorofluoromethane	1.881	101	150908	12.249	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	114181	11.512	ppbv	99
13) Ethanol	1.726	45	17621	7.882	ppbv	99
14) Bromoethene	1.784	108	40294	10.936	ppbv	97
15) Acetone	1.839	43	113498	9.505	ppbv	98
16) 1,3-Butadiene	1.612	39	55022	9.669	ppbv	99
17) tert-Butyl alcohol	2.043	59	174129	10.624	ppbv	98
18) 1,1-Dichloroethene	2.040	96	48618	11.244	ppbv	90
19) Isopropyl Alcohol	1.888	45	73421	9.872	ppbv	99
20) Methylene Chloride	2.066	84	44228	9.370	ppbv	96
21) Allyl Chloride	2.101	41	89272	10.146	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	57909	11.204	ppbv	98
23) Vinyl Acetate	2.467	43	175239	10.019	ppbv	97
24) 1,1-Dichloroethane	2.415	63	112208	11.236	ppbv	99
25) Ethyl Acetate	2.839	43	265111	8.953	ppbv	99
26) Hexane	2.833	57	123059	9.019	ppbv	97
27) Carbon Disulfide	2.156	76	137304	10.983	ppbv	96
28) Methyl tert-Butyl Ether	2.444	73	67625	10.894	ppbv	97
29) Chloroform	2.852	83	213292	10.788	ppbv	98
30) Cyclohexane	3.862	84	107580	9.034	ppbv	92
31) cis-1,2-Dichloroethene	2.726	61	134906	10.354	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	223110	10.837	ppbv	99
34) 2-Butanone	2.558	43	174930	9.403	ppbv	96
35) Carbon Tetrachloride	3.768	117	230725	11.595	ppbv	97
36) Benzene	3.664	78	254588	9.766	ppbv	98
37) 1,2-Dichloroethane	3.224	62	174277	11.605	ppbv	96
38) Trichloroethene	4.555	130	98828	9.078	ppbv	95
39) 1,2-Dichloropropane	4.322	63	88716	9.309	ppbv	91
40) 1,4-Dioxane	4.587	88	40336	9.458	ppbv #	94
41) Tetrahydrofuran	3.056	42	87781	8.436	ppbv	94
42) Bromodichloromethane	4.496	83	234007	11.259	ppbv	100
43) Methyl Methacrylate	4.885	69	124049	9.369	ppbv	94
44) 2,2,4-Trimethylpentane	4.645	57	404458	9.196	ppbv	97
45) t-1,3-Dichloropropene	6.419	75	133701	10.063	ppbv	98

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 Acq On : 17 Oct 2025 09:49
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

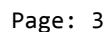
Instrument :
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 ClientSampleId :
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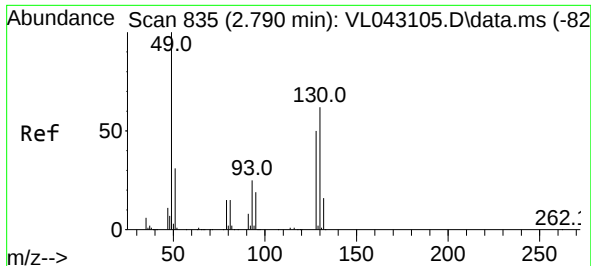
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	154637m	9.743	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	99146	9.634	ppbv	95
48) Dibromochloromethane	7.390	129	177716	10.328	ppbv	100
49) Bromoform	9.487	173	141493	10.116	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	220700	8.596	ppbv	98
51) 2-Hexanone	7.442	43	167255	8.685	ppbv #	100
52) Tetrachloroethene	8.228	164	85968	9.145	ppbv	95
53) Toluene	6.940	91	289286	9.350	ppbv	100
54) 1,2-Dibromoethane	7.658	107	156166	9.688	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.927	131	159796	10.480	ppbv	98
57) Chlorobenzene	8.927	112	215135	9.508	ppbv	91
58) Ethyl Benzene	9.361	91	406807	9.800	ppbv	95
59) m/p-Xylene	9.555	91	662450m	20.008	ppbv	
60) o-Xylene	9.969	91	327790	10.024	ppbv	98
61) Styrene	9.876	104	138547	9.386	ppbv	97
62) Isopropylbenzene	10.542	105	589869	9.983	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.966	83	201710	9.212	ppbv	99
64) n-propylbenzene	10.992	120	146120	9.341	ppbv	86
65) tert-Butylbenzene	11.536	119	495805	9.502	ppbv	93
66) Benzyl Chloride	11.617	91	50468	8.690	ppbv	99
67) sec-Butylbenzene	11.772	105	720069	9.724	ppbv	97
69) p-Isopropyltoluene	11.931	119	602757	9.578	ppbv	97
70) n-Butylbenzene	12.284	91	623511	10.055	ppbv	98
71) 2-Chlorotoluene	10.905	91	446868	9.916	ppbv	98
72) 4-Ethyltoluene	11.128	105	401046	9.974	ppbv	97
73) 1,3,5-Trimethylbenzene	11.206	105	337470	10.177	ppbv	91
74) 1,2,4-Trimethylbenzene	11.539	105	364871	9.833	ppbv	93
75) 1,3-Dichlorobenzene	11.610	146	204002	9.479	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	208969	9.629	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	195406	9.385	ppbv	98
78) Hexachloro-1,3-Butadiene	13.886	225	140542	8.718	ppbv	99
79) Naphthalene	13.517	128	361506	9.321	ppbv	98
80) Naphthalene,2-methyl-	14.462	142	109059	10.793	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	151819	9.431	ppbv	99

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

Quant Time: Oct 18 04:33:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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Response via : Initial Calibration

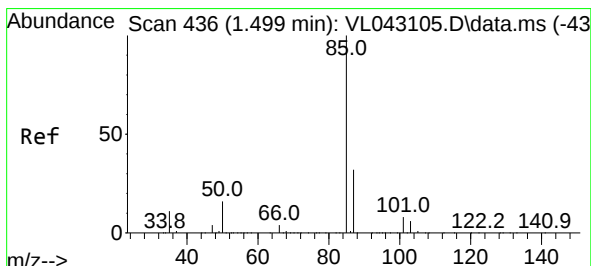
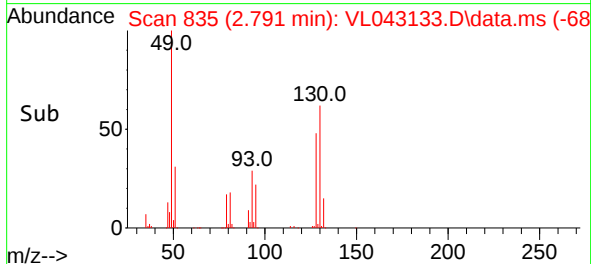
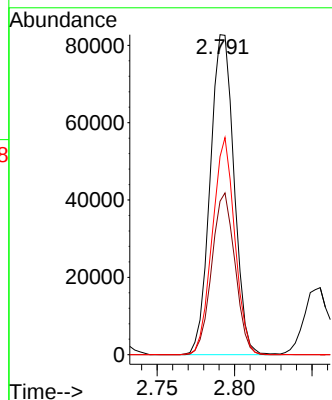
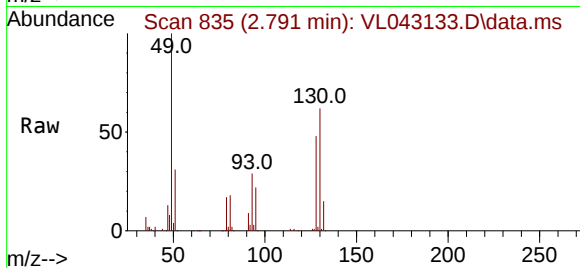




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.791 min Scan# 81
Delta R.T. 0.001 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

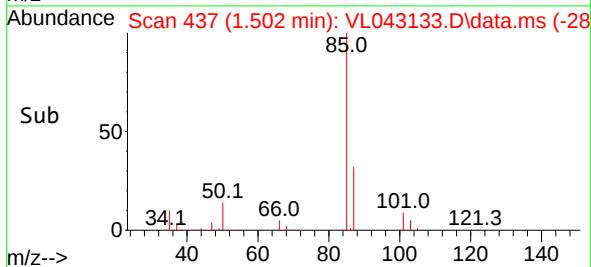
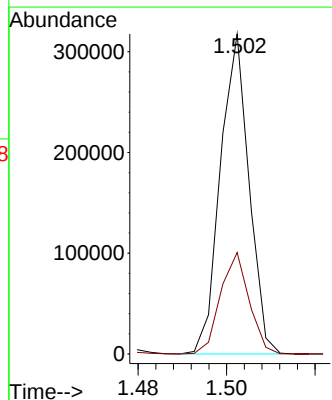
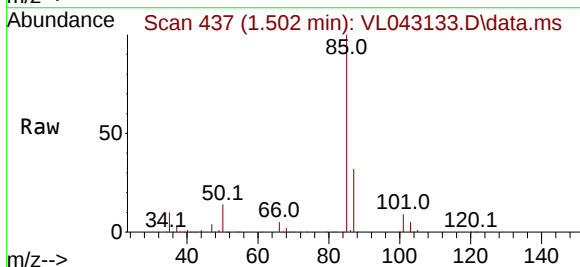
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

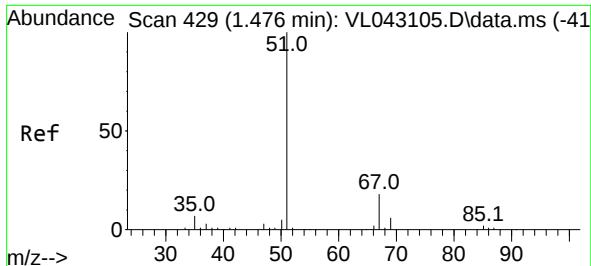
Tgt Ion: 49 Resp: 88592
Ion Ratio Lower Upper
49 100
128 49.1 24.4 73.4
130 63.8 31.0 93.0



#2
Dichlorodifluoromethane
Concen: 11.340 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 85 Resp: 142819
Ion Ratio Lower Upper
85 100
87 31.7 25.3 37.9

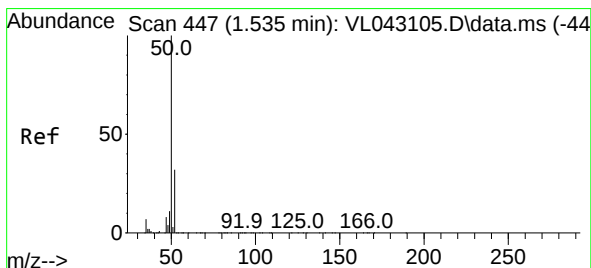
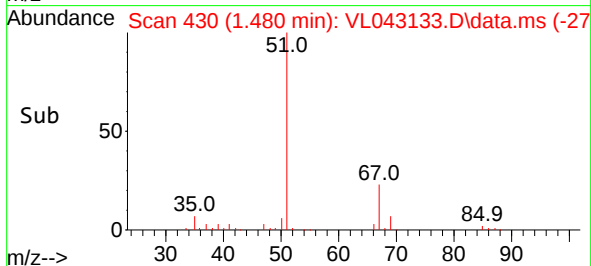
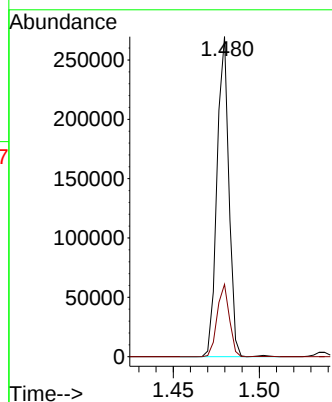
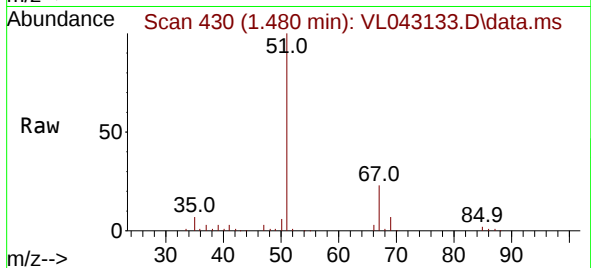




#3
Chlorodifluoromethane
Concen: 9.536 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

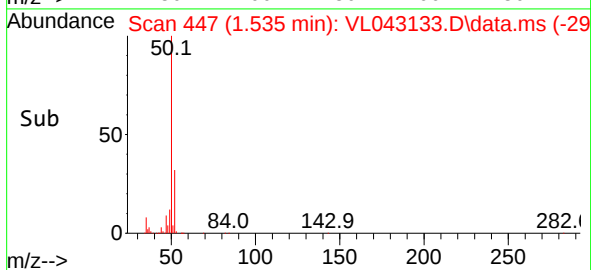
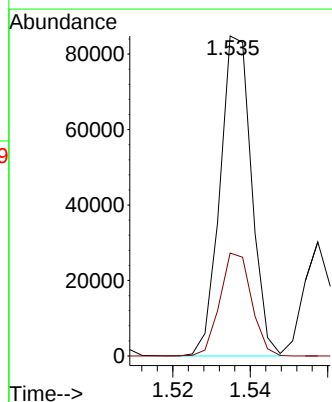
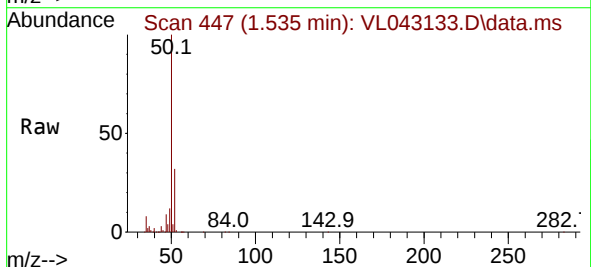
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ClientSampleId :
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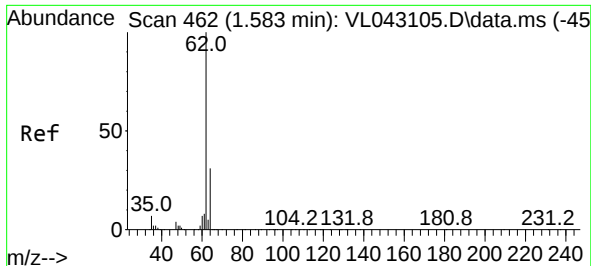
Tgt Ion: 51 Resp: 129952
Ion Ratio Lower Upper
51 100
67 23.1 15.1 22.7#



#4
Chloromethane
Concen: 9.636 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 50 Resp: 48078
Ion Ratio Lower Upper
50 100
52 32.1 25.2 37.8

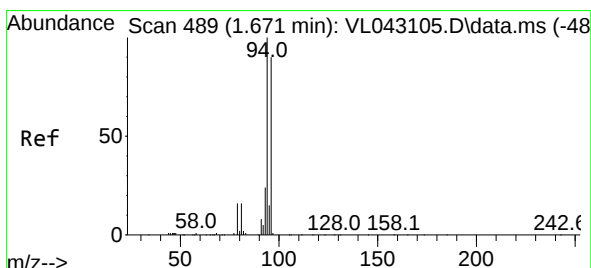
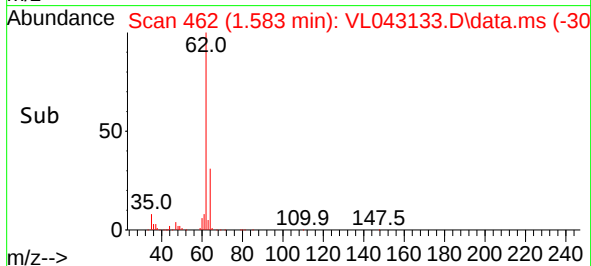
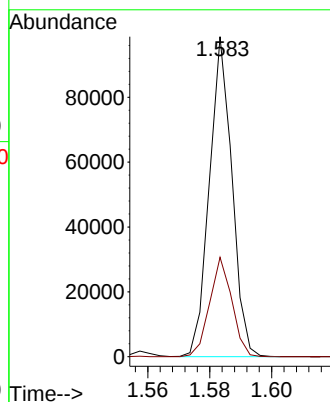
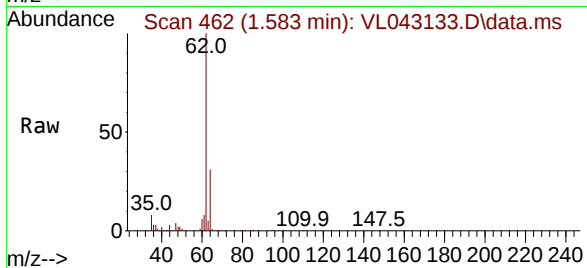




#5
 Vinyl Chloride
 Concen: 10.191 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

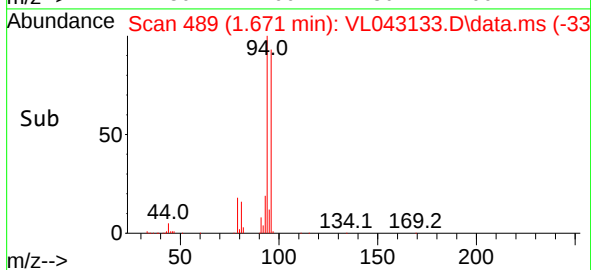
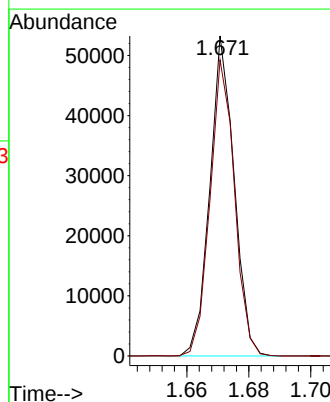
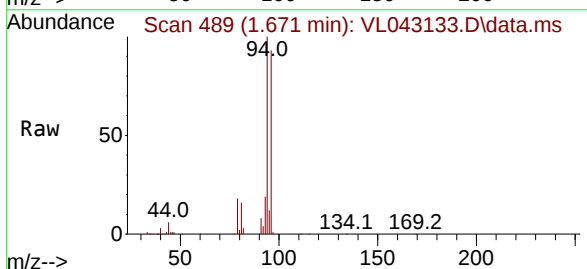
Instrument :
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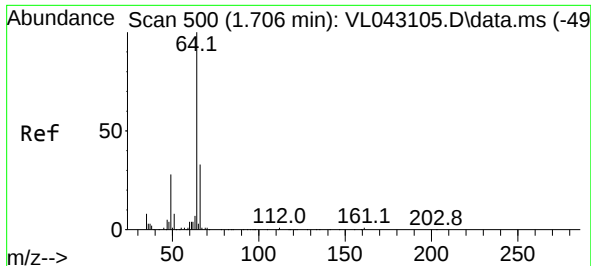
Tgt Ion: 62 Resp: 49874
 Ion Ratio Lower Upper
 62 100
 64 31.1 24.6 36.8



#6
 Bromomethane
 Concen: 10.796 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

Tgt Ion: 94 Resp: 28972
 Ion Ratio Lower Upper
 94 100
 96 92.5 72.2 108.4

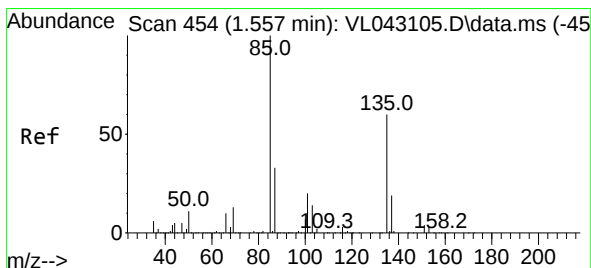
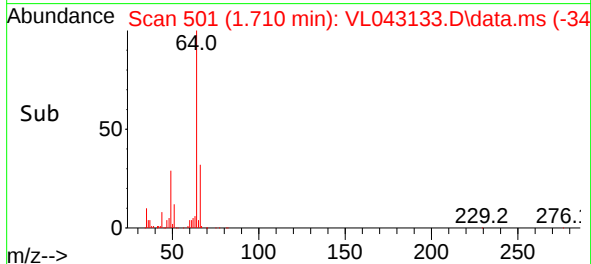
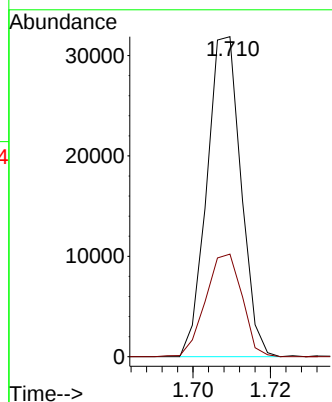
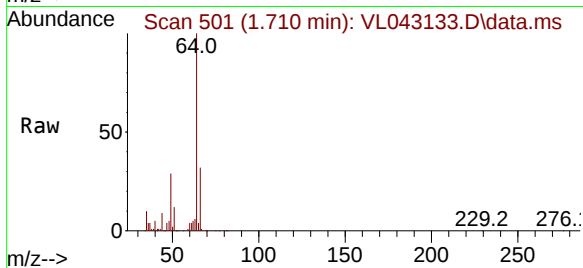




#7
Chloroethane
Concen: 9.739 ppbv
RT: 1.710 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

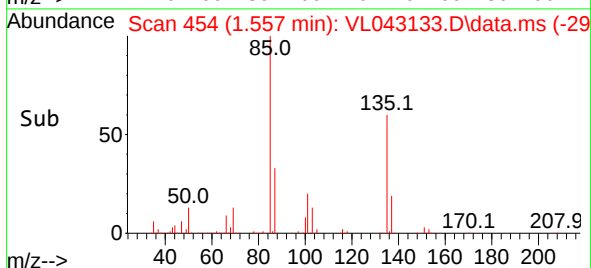
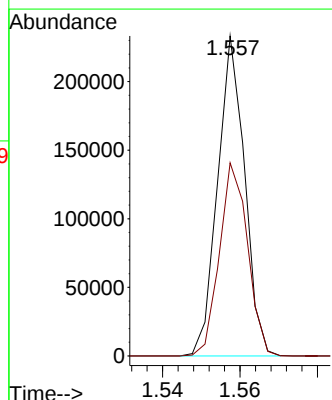
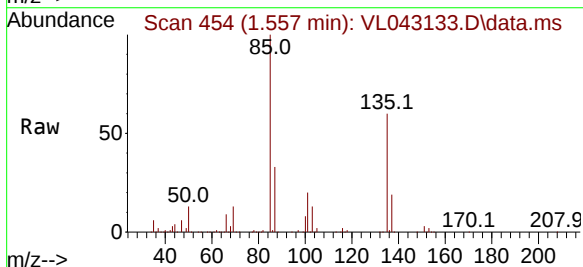
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ClientSampleId :
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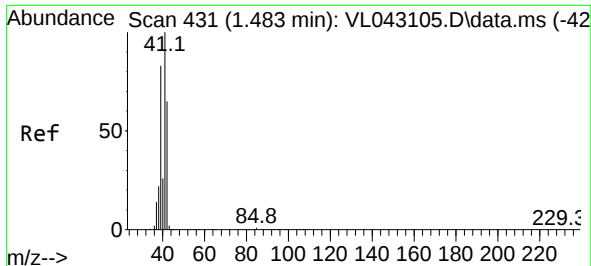
Tgt Ion: 64 Resp: 19486
Ion Ratio Lower Upper
64 100
66 32.0 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 11.092 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 85 Resp: 112910
Ion Ratio Lower Upper
85 100
135 62.9 48.2 72.4





#9

Propene

Concen: 7.881 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_1

ClientSampleId :

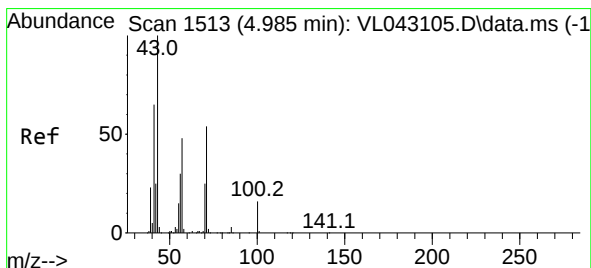
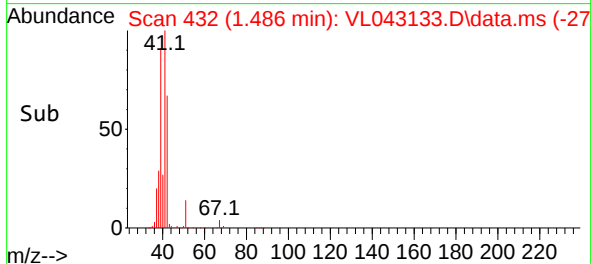
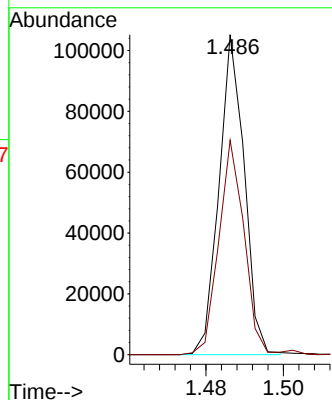
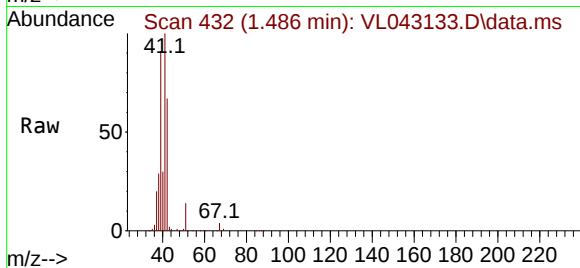
VL1017ABS01

Tgt Ion: 41 Resp: 47629

Ion Ratio Lower Upper

41 100

42 68.0 55.1 82.7



#10

Heptane

Concen: 7.989 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.003 min

Lab File: VL043133.D

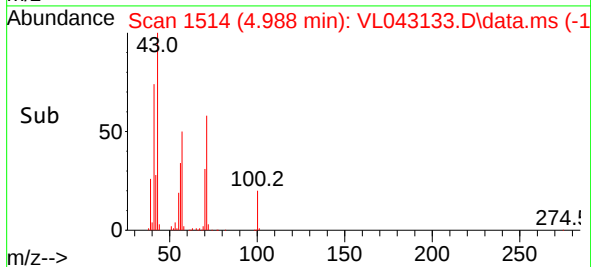
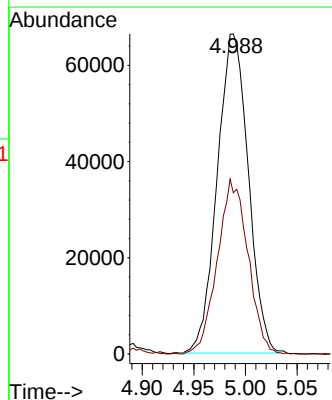
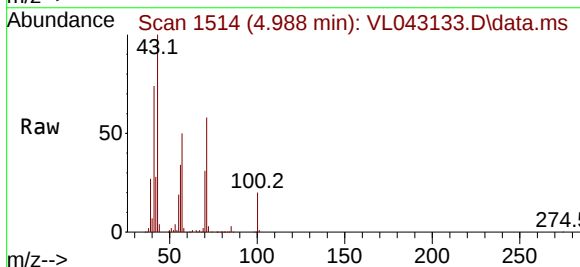
Acq: 17 Oct 2025 09:49

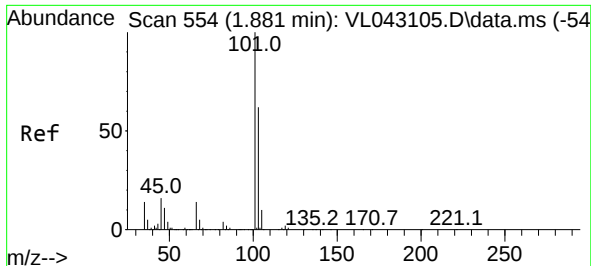
Tgt Ion: 43 Resp: 138994

Ion Ratio Lower Upper

43 100

57 53.9 40.8 61.2

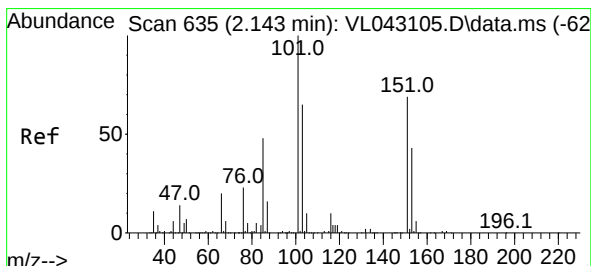
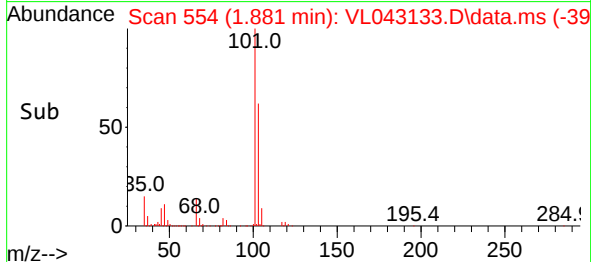
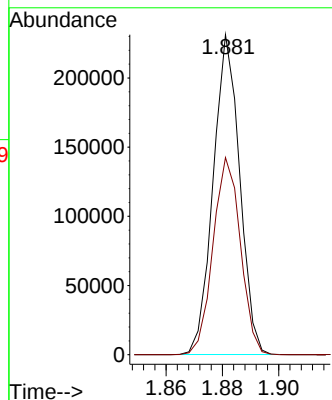
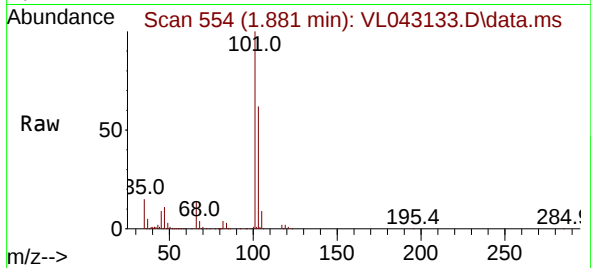




#11
 Trichlorofluoromethane
 Concen: 12.249 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

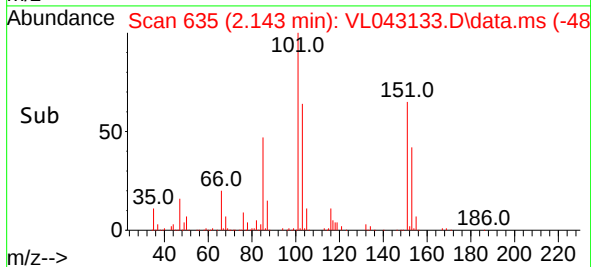
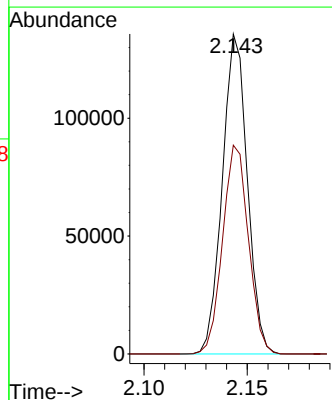
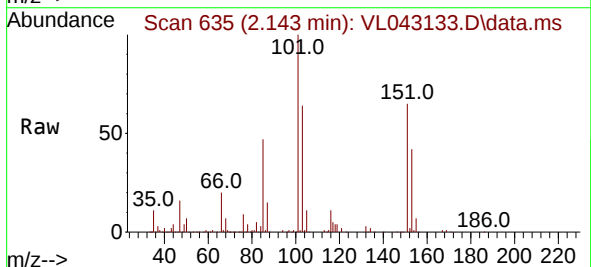
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

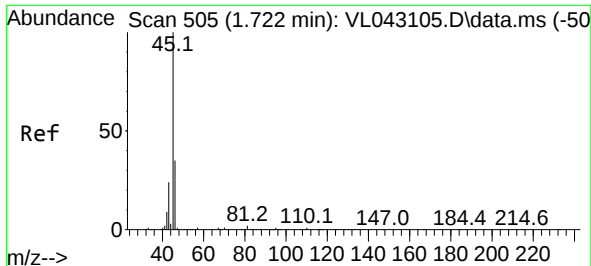
Tgt Ion:101 Resp: 150908
 Ion Ratio Lower Upper
 101 100
 103 61.6 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.512 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

Tgt Ion:101 Resp: 114181
 Ion Ratio Lower Upper
 101 100
 151 67.5 54.7 82.1

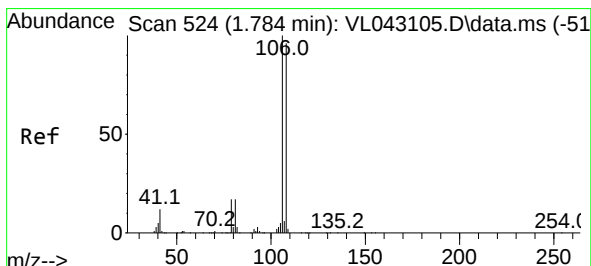
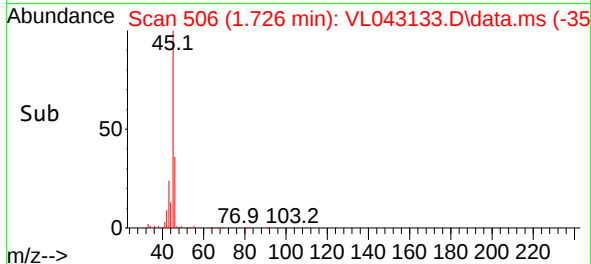
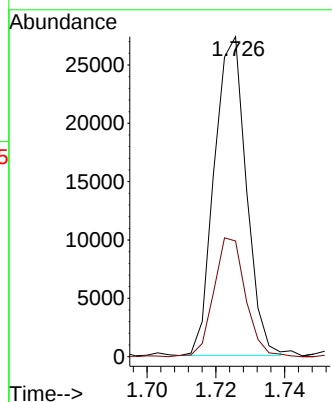
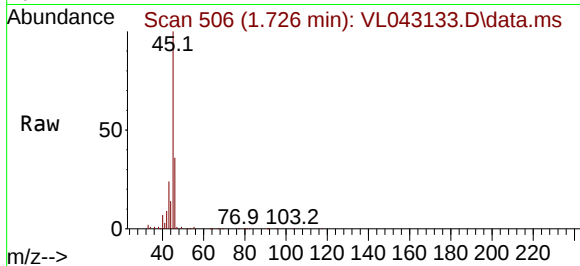




#13
Ethanol
Concen: 7.882 ppbv
RT: 1.726 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

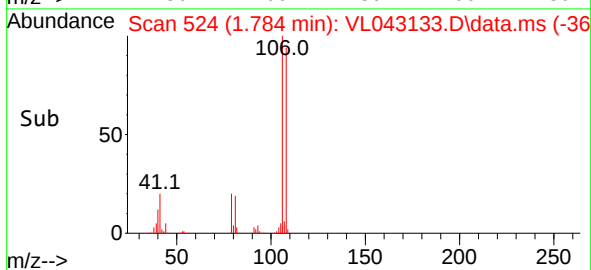
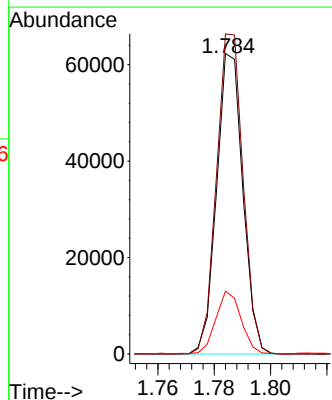
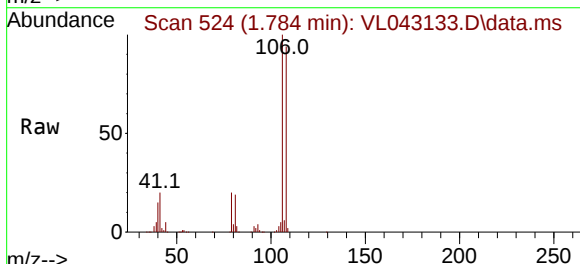
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

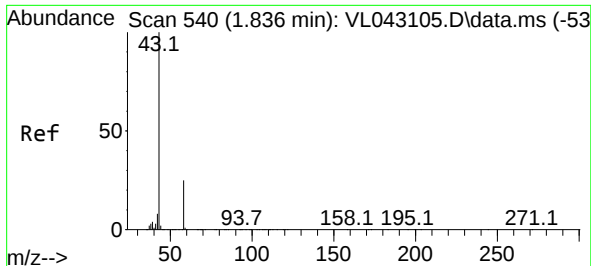
Tgt Ion: 45 Resp: 17621
Ion Ratio Lower Upper
45 100
46 37.3 14.7 58.9



#14
Bromoethene
Concen: 10.936 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 108 Resp: 40294
Ion Ratio Lower Upper
108 100
106 108.0 84.4 126.6
79 20.9 15.3 22.9





#15

Acetone

Concen: 9.505 ppbv

RT: 1.839 min Scan# 540

Delta R.T. 0.003 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

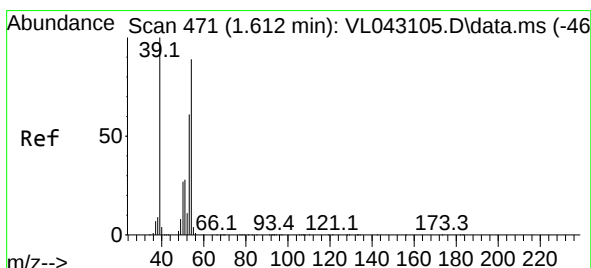
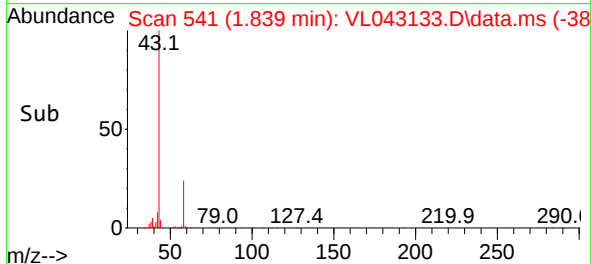
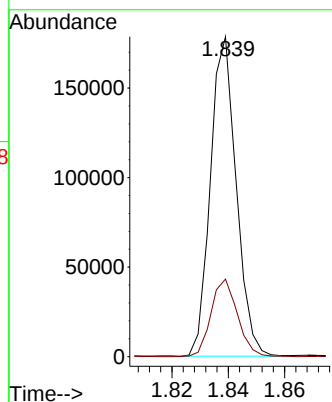
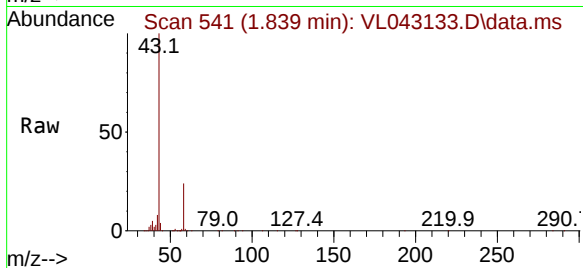
VL1017ABS01

Tgt Ion: 43 Resp: 113498

Ion Ratio Lower Upper

43 100

58 25.1 20.8 31.2



#16

1,3-Butadiene

Concen: 9.669 ppbv

RT: 1.612 min Scan# 471

Delta R.T. 0.000 min

Lab File: VL043133.D

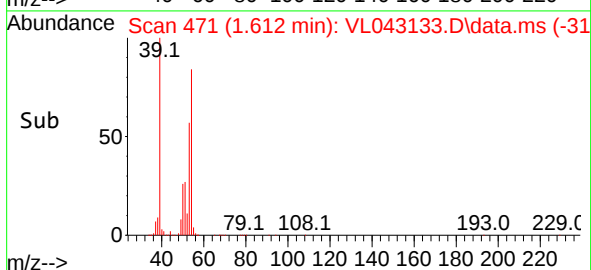
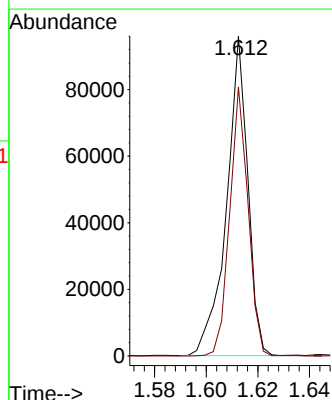
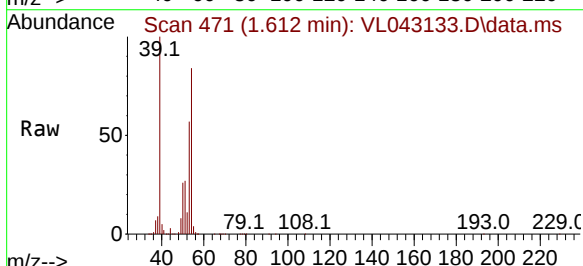
Acq: 17 Oct 2025 09:49

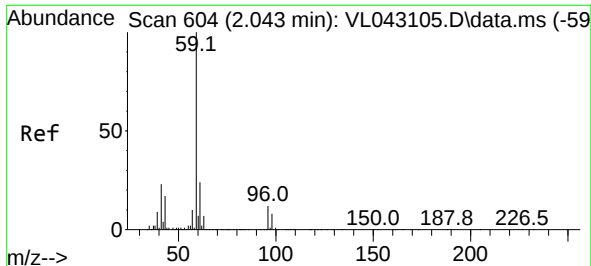
Tgt Ion: 39 Resp: 55022

Ion Ratio Lower Upper

39 100

54 72.7 59.0 88.4





#17

tert-Butyl alcohol

Concen: 10.624 ppbv

RT: 2.043 min Scan# 604

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_1

ClientSampleId :

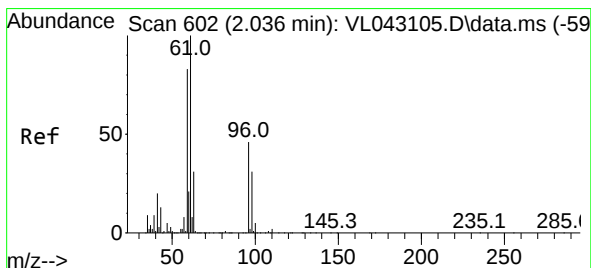
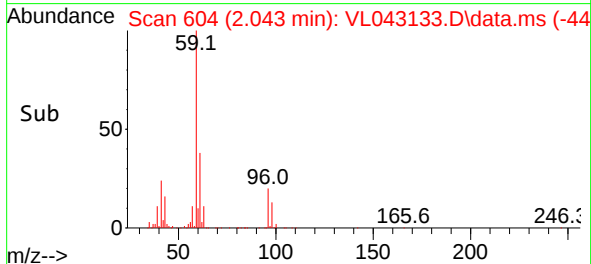
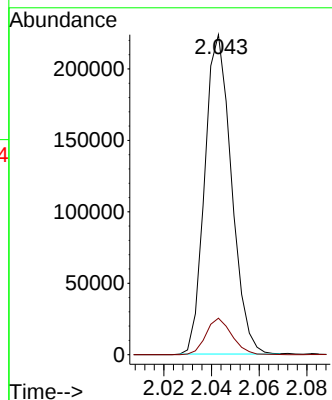
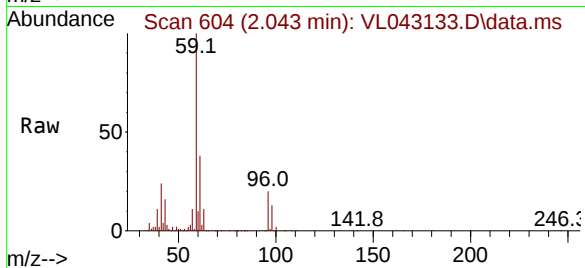
VL1017ABS01

Tgt Ion: 59 Resp: 174129

Ion Ratio Lower Upper

59 100

57 11.1 8.2 12.4



#18

1,1-Dichloroethene

Concen: 11.244 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

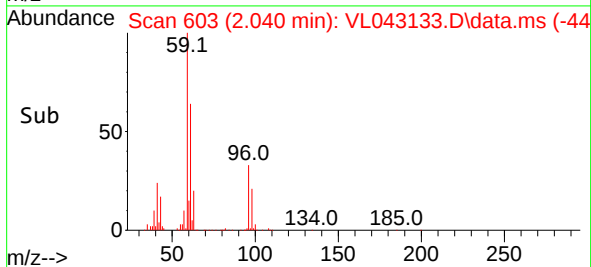
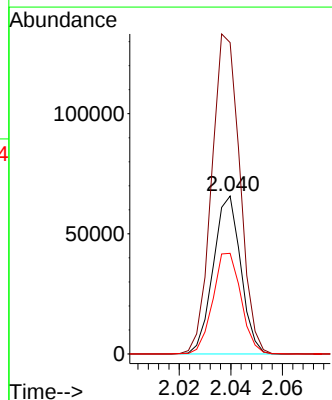
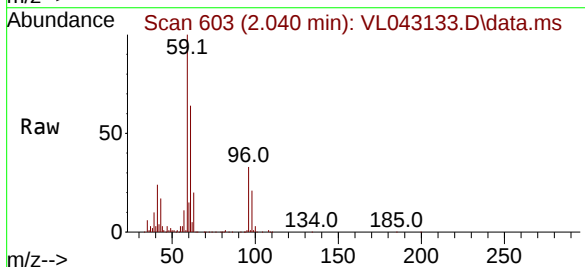
Tgt Ion: 96 Resp: 48618

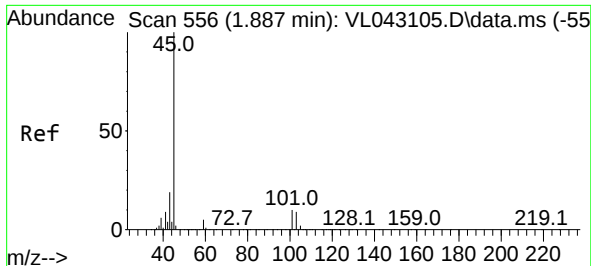
Ion Ratio Lower Upper

96 100

61 197.2 173.4 260.0

98 63.5 53.2 79.8





#19

Isopropyl Alcohol

Concen: 9.872 ppbv

RT: 1.888 min Scan# 556

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

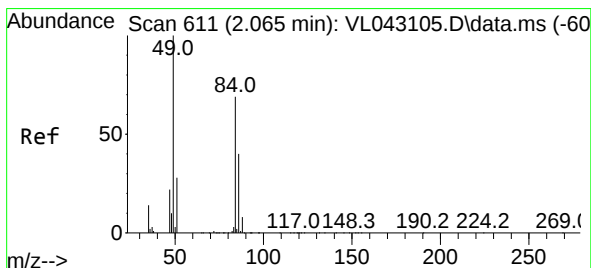
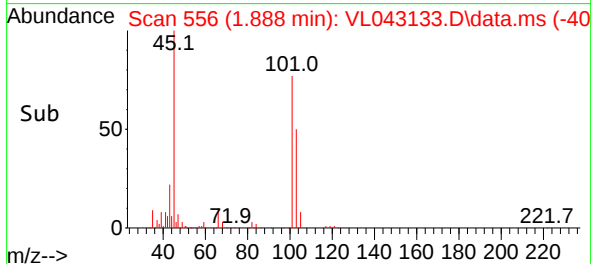
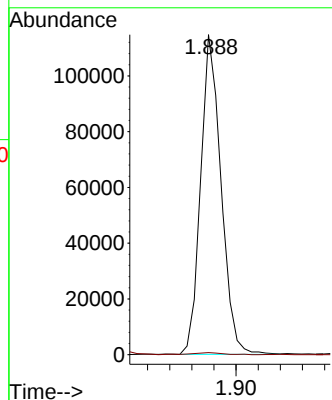
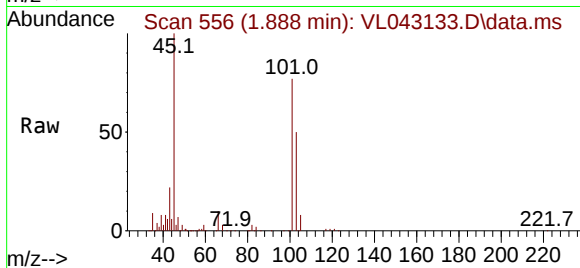
VL1017ABS01

Tgt Ion: 45 Resp: 73421

Ion Ratio Lower Upper

45 100

58 38.7 31.3 46.9



#20

Methylene Chloride

Concen: 9.370 ppbv

RT: 2.066 min Scan# 611

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Tgt Ion: 84 Resp: 44228

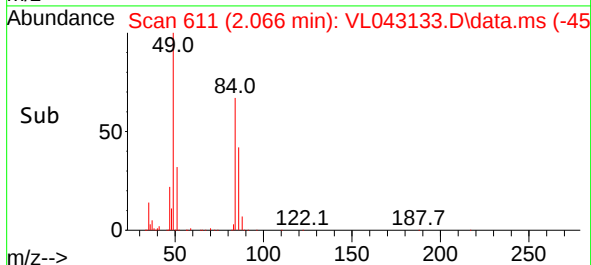
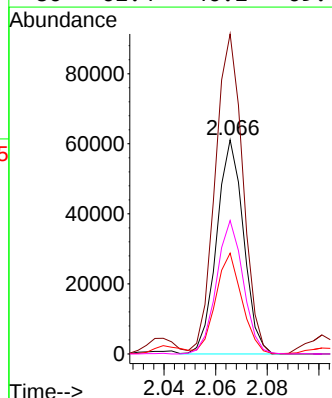
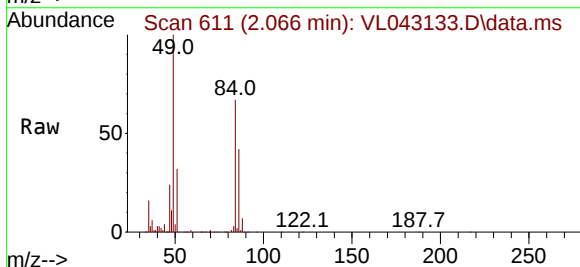
Ion Ratio Lower Upper

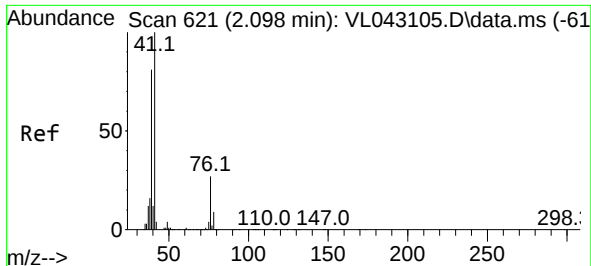
84 100

49 149.3 116.6 175.0

51 46.9 34.8 52.2

86 62.4 46.2 69.4

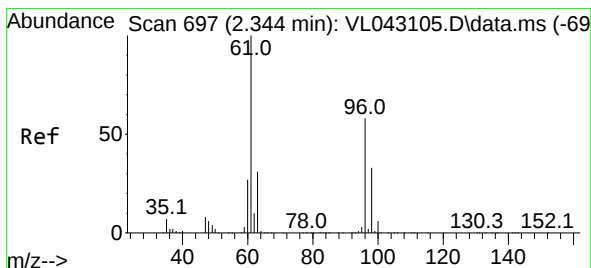
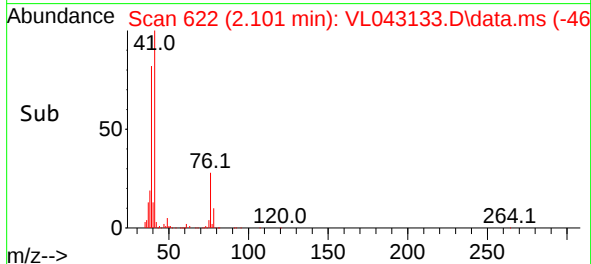
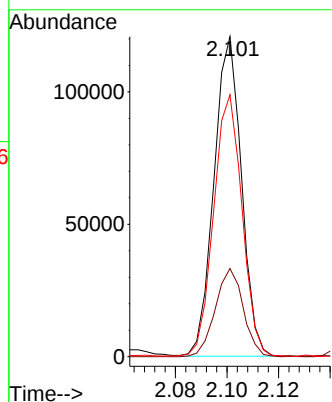
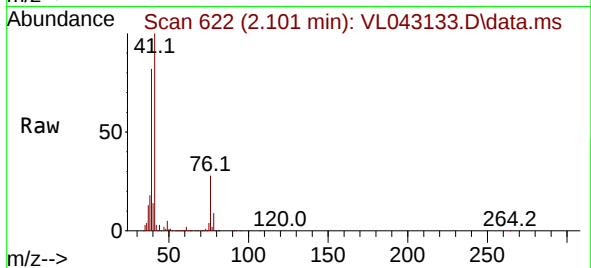




#21
 Allyl Chloride
 Concen: 10.146 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

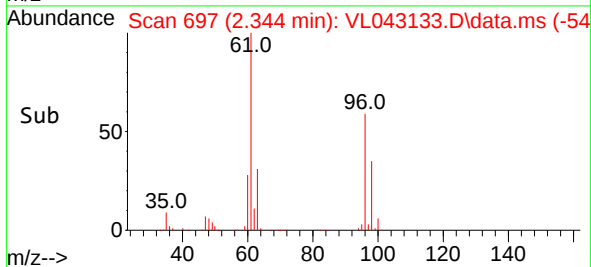
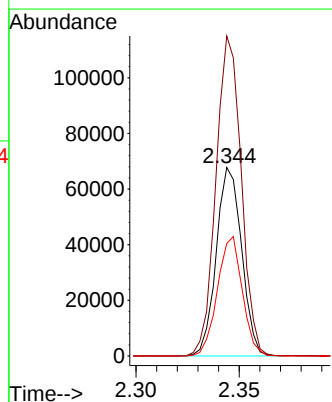
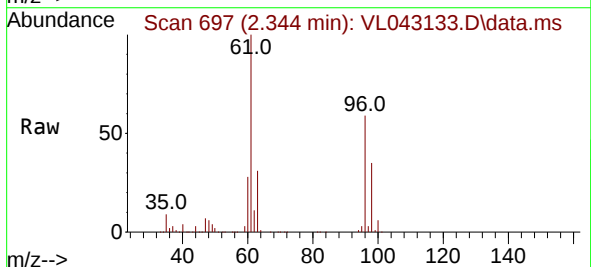
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1017ABS01

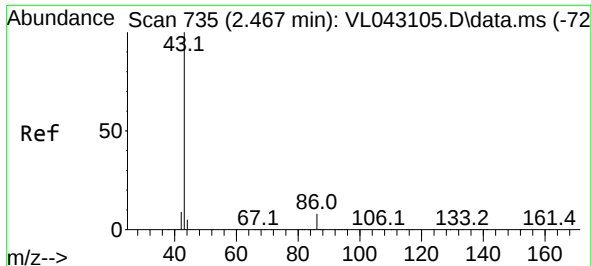
Tgt Ion: 41 Resp: 89272
 Ion Ratio Lower Upper
 41 100
 76 28.0 21.5 32.3
 39 84.0 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 11.204 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

Tgt Ion: 96 Resp: 57909
 Ion Ratio Lower Upper
 96 100
 61 169.7 137.0 205.6
 98 59.7 45.5 68.3

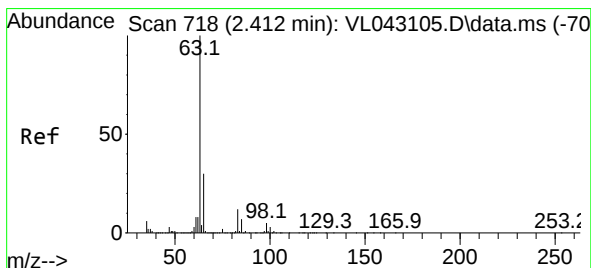
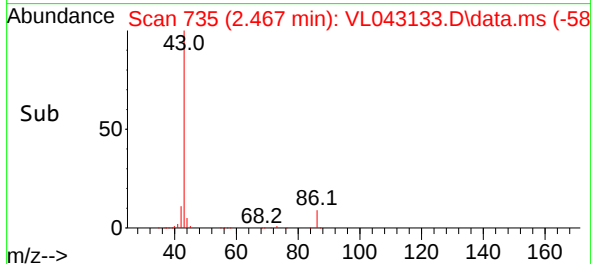
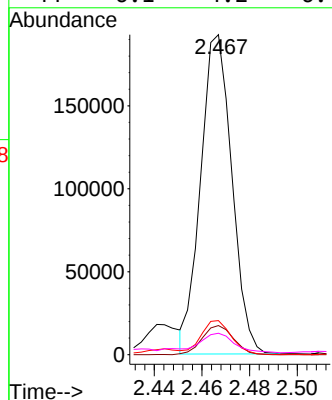
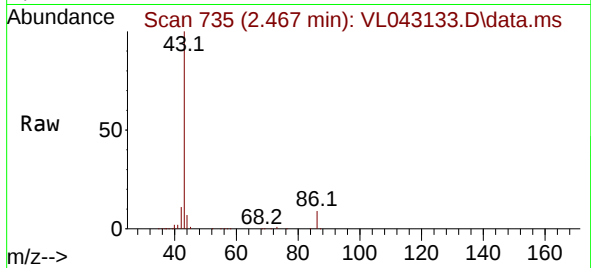




#23
 Vinyl Acetate
 Concen: 10.019 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

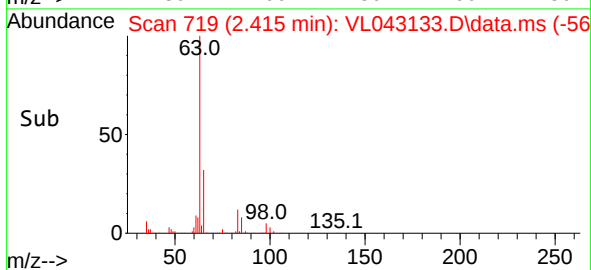
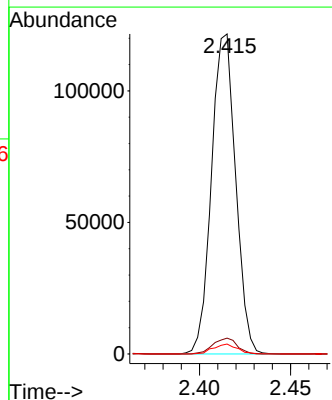
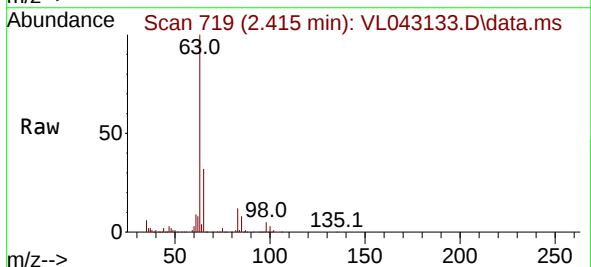
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

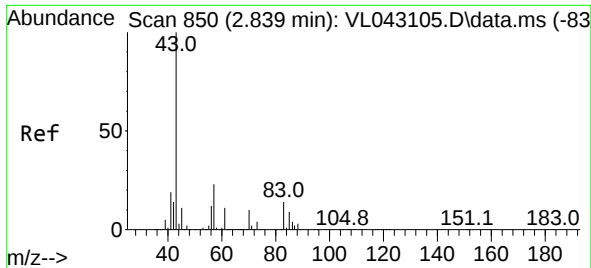
Tgt Ion:	43	Resp:	175239
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.2	9.2
42	10.7	7.6	11.4
44	6.1	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 11.236 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. 0.003 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

Tgt Ion:	63	Resp:	112208
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	3.1	1.5	4.4

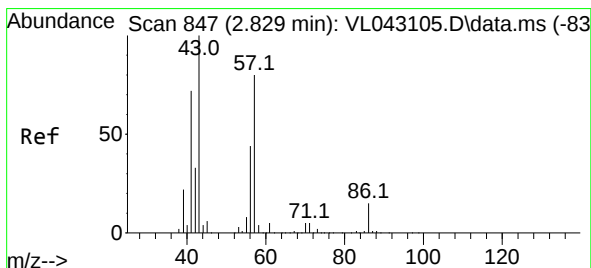
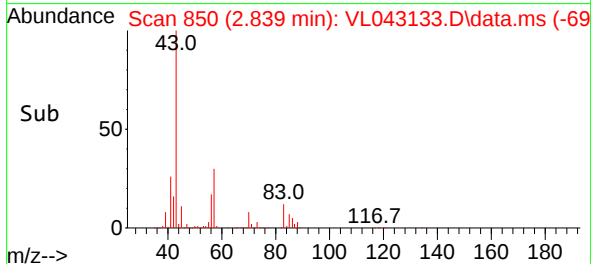
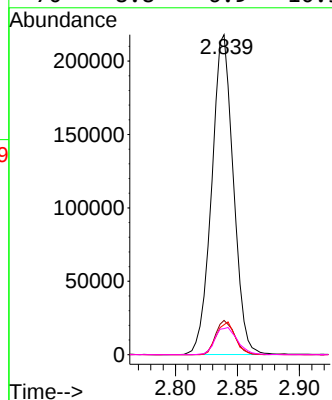
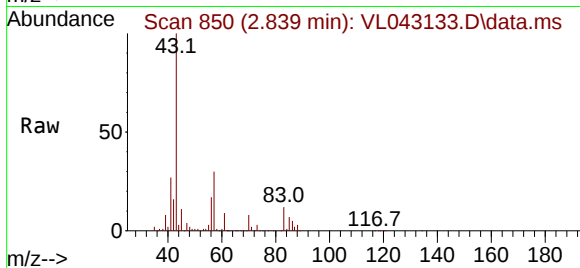




#25
Ethyl Acetate
Concen: 8.953 ppbv
RT: 2.839 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

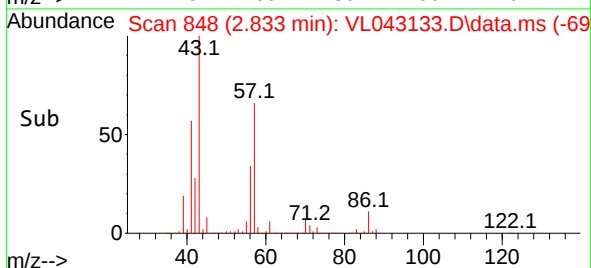
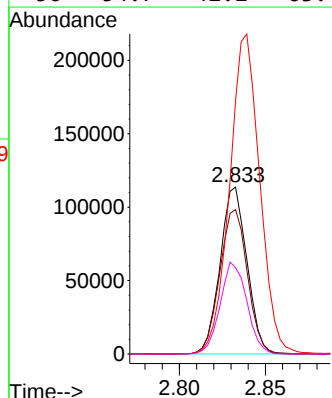
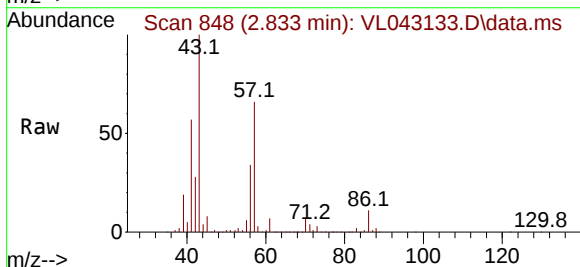
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

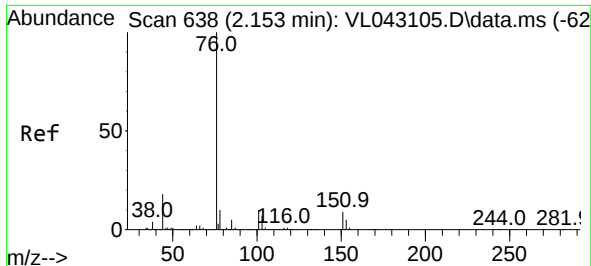
Tgt Ion: 43	Resp: 265111
Ion Ratio	Lower Upper
43 100	
45 9.6	7.8 11.8
61 9.0	7.0 10.6
70 8.8	6.9 10.3



#26
Hexane
Concen: 9.019 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 57	Resp: 123059
Ion Ratio	Lower Upper
57 100	
41 90.0	71.4 107.0
43 216.8	178.5 267.7
56 54.7	42.2 63.4

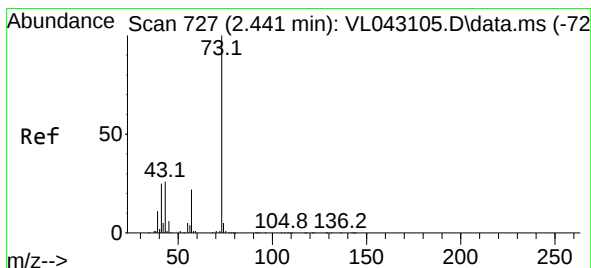
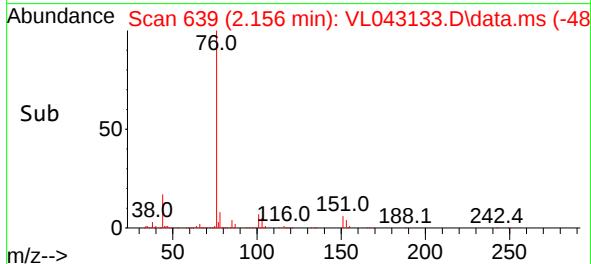
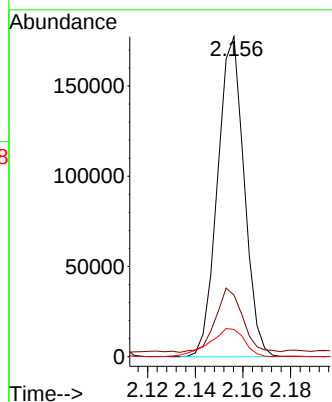
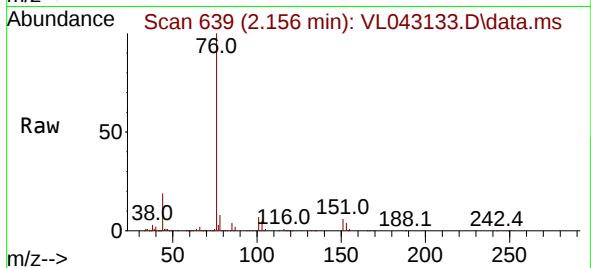




#27
Carbon Disulfide
Concen: 10.983 ppbv
RT: 2.156 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

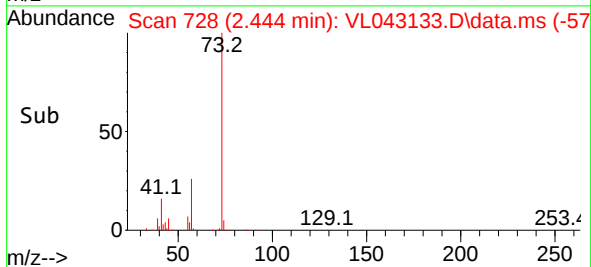
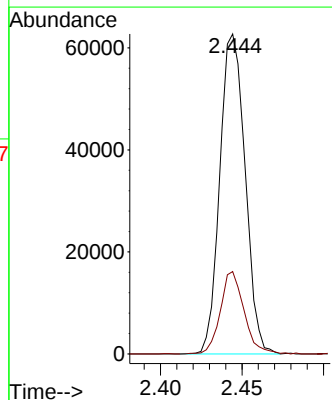
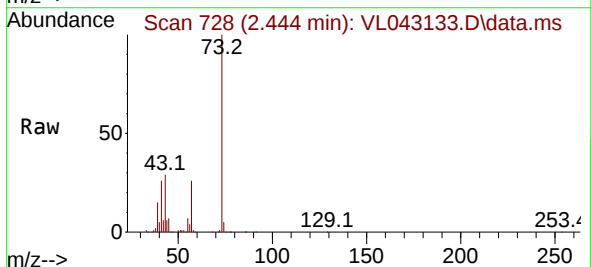
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

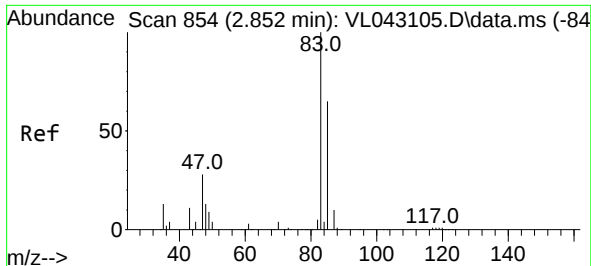
Tgt Ion: 76 Resp: 137304
Ion Ratio Lower Upper
76 100
44 24.0 16.7 25.1
78 11.6 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 10.894 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 73 Resp: 67625
Ion Ratio Lower Upper
73 100
57 24.3 20.5 30.7

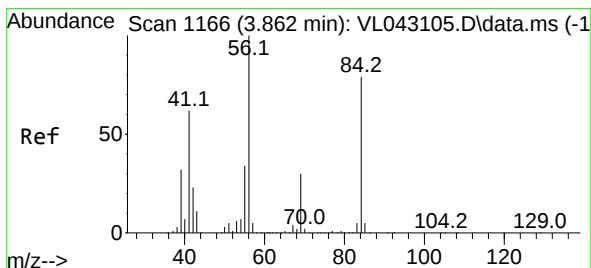
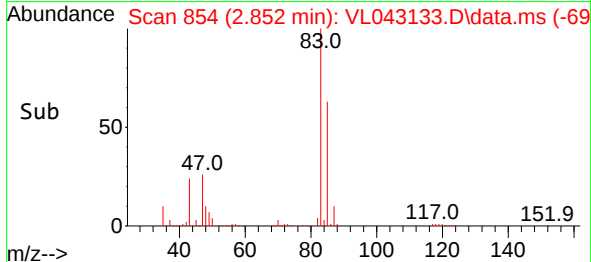
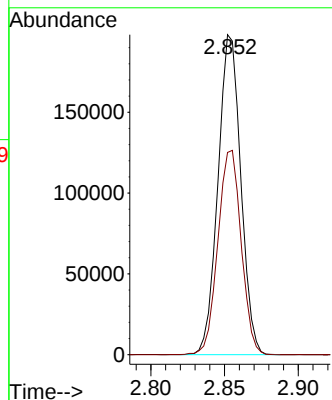
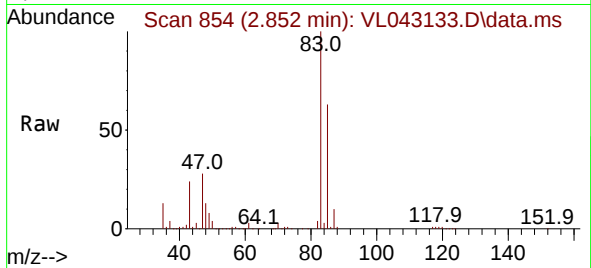




#29
Chloroform
Concen: 10.788 ppbv
RT: 2.852 min Scan# 854
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

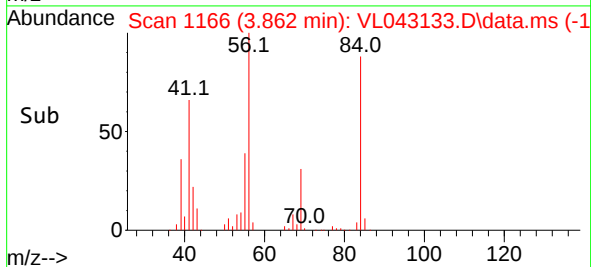
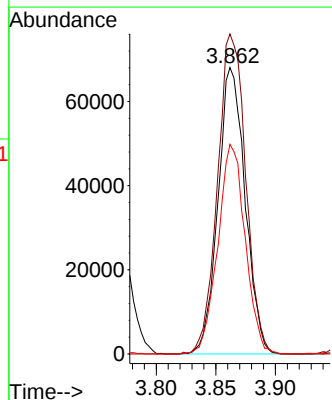
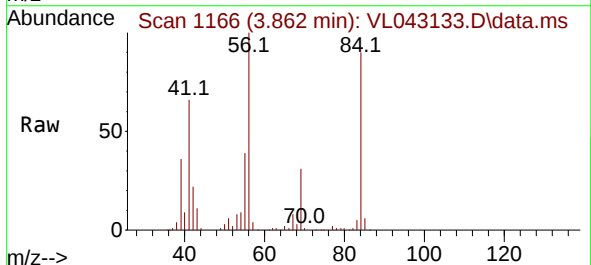
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

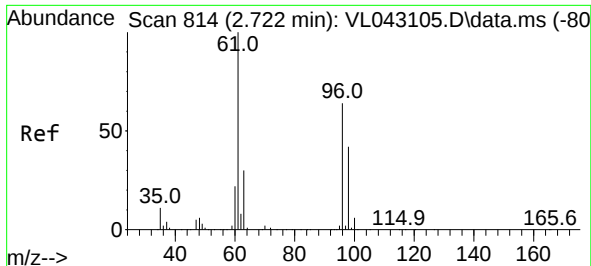
Tgt Ion: 83 Resp: 213292
Ion Ratio Lower Upper
83 100
85 63.2 51.8 77.6



#30
Cyclohexane
Concen: 9.034 ppbv
RT: 3.862 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 84 Resp: 107580
Ion Ratio Lower Upper
84 100
56 116.1 100.9 151.3
41 73.8 63.8 95.6

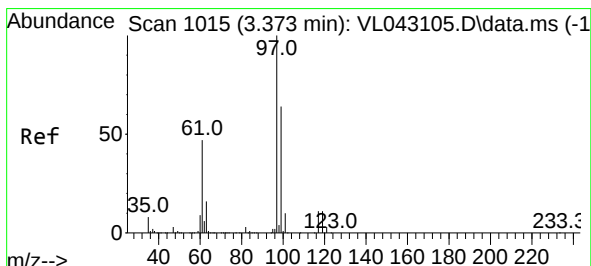
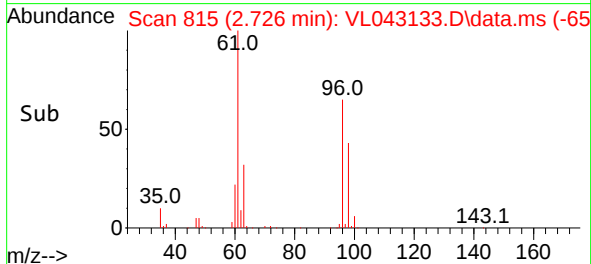
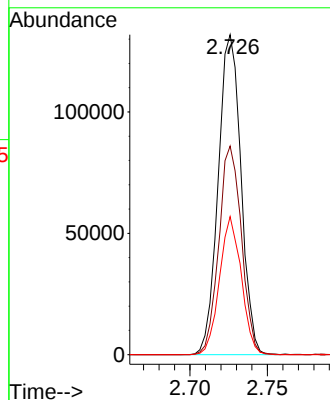
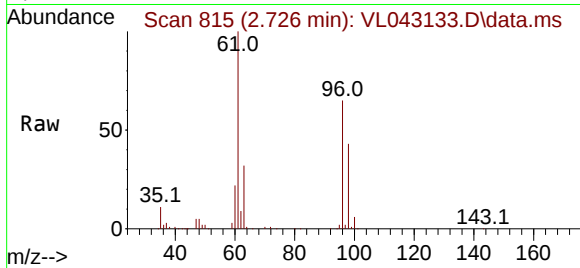




#31
 cis-1,2-Dichloroethene
 Concen: 10.354 ppbv
 RT: 2.726 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

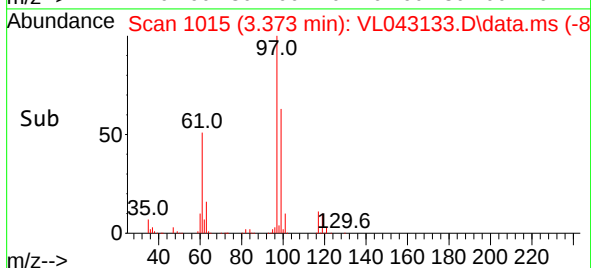
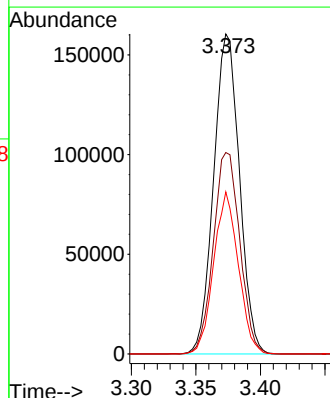
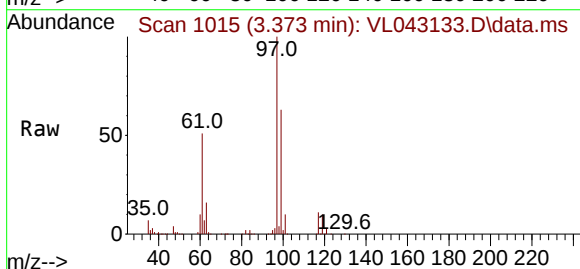
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1017ABS01

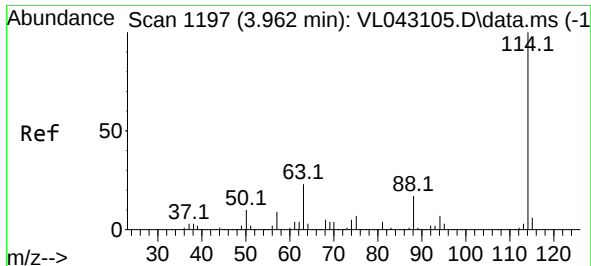
Tgt Ion: 61 Resp: 134906
 Ion Ratio Lower Upper
 61 100
 96 65.2 51.0 76.6
 98 43.1 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 10.837 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

Tgt Ion: 97 Resp: 223110
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.3 76.9
 61 48.4 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_1

ClientSampleId :

VL1017ABS01

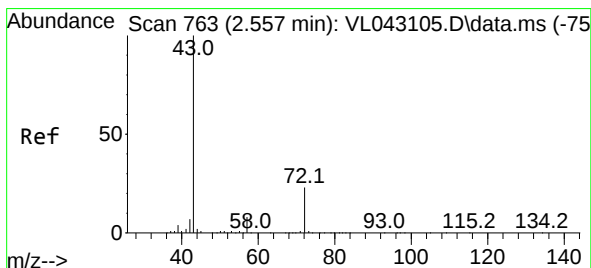
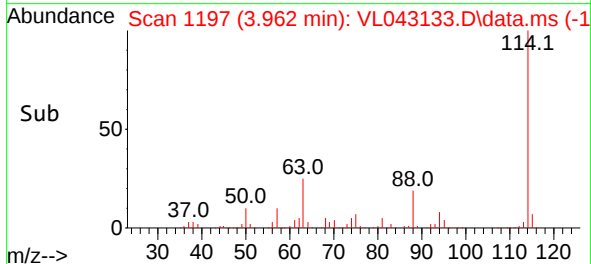
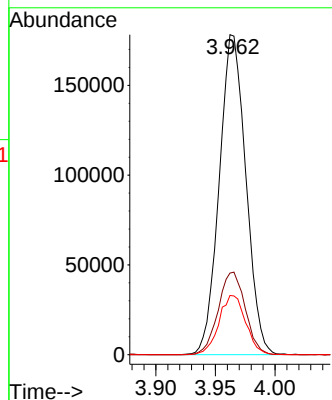
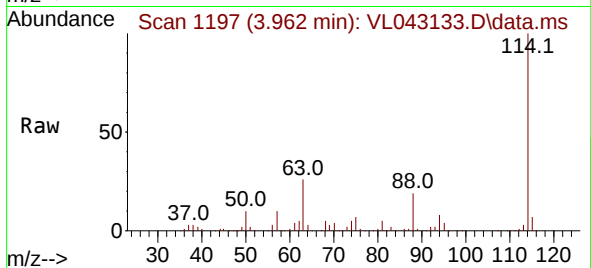
Tgt Ion:114 Resp: 276774

Ion Ratio Lower Upper

114 100

63 26.2 19.3 28.9

88 18.6 13.9 20.9



#34

2-Butanone

Concen: 9.403 ppbv

RT: 2.558 min Scan# 763

Delta R.T. 0.000 min

Lab File: VL043133.D

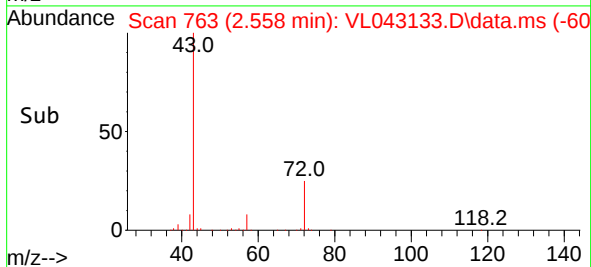
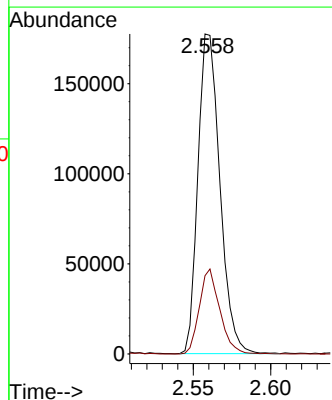
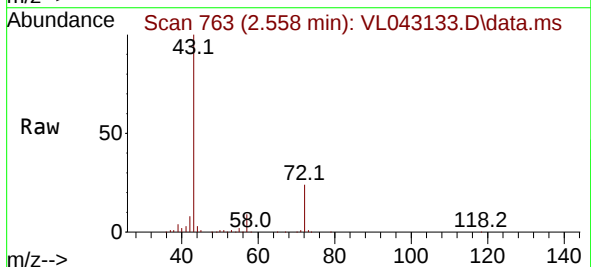
Acq: 17 Oct 2025 09:49

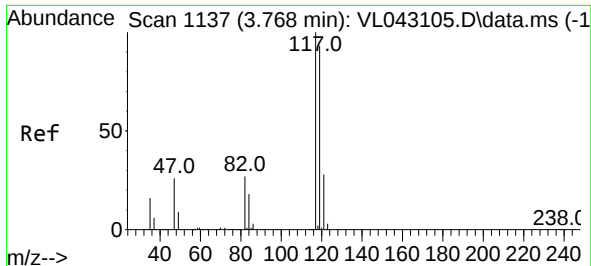
Tgt Ion: 43 Resp: 174930

Ion Ratio Lower Upper

43 100

72 24.8 18.4 27.6

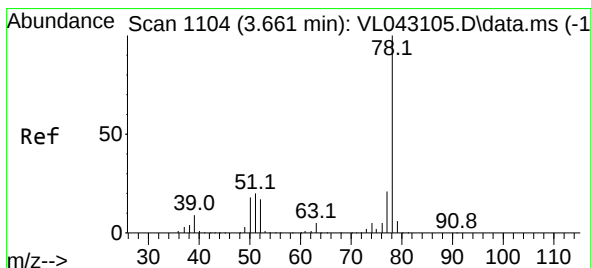
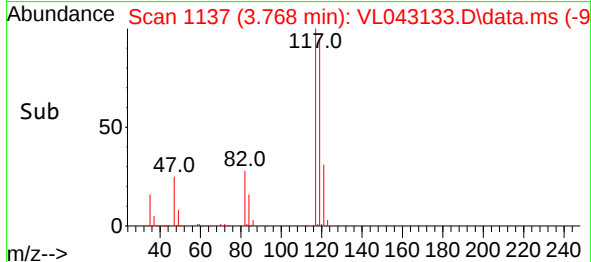
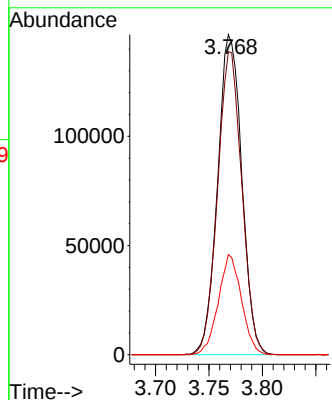
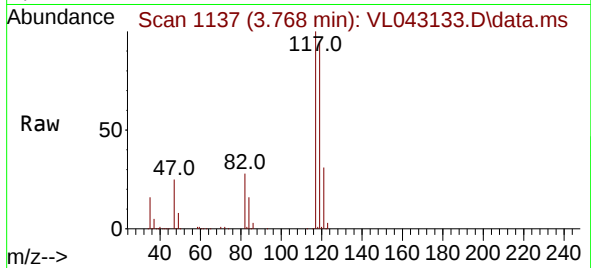




#35
Carbon Tetrachloride
Concen: 11.595 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

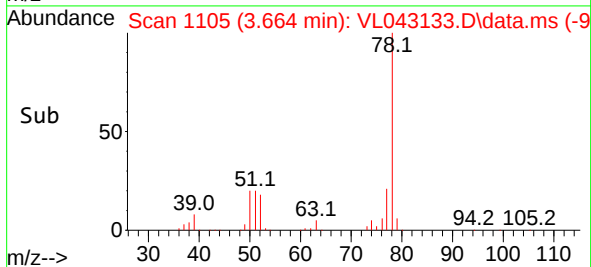
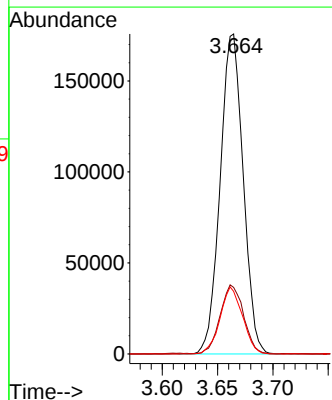
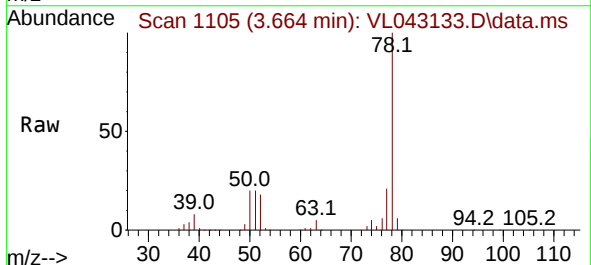
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

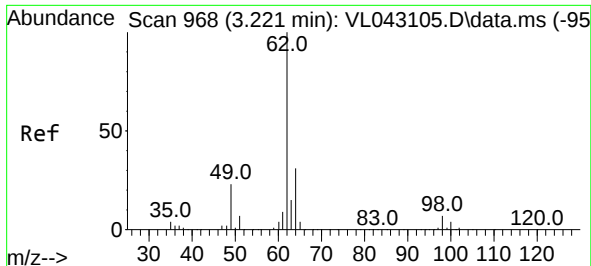
Tgt Ion:117 Resp: 230725
Ion Ratio Lower Upper
117 100
119 94.7 74.1 111.1
121 31.2 22.2 33.2



#36
Benzene
Concen: 9.766 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 78 Resp: 254588
Ion Ratio Lower Upper
78 100
77 20.8 17.0 25.6
50 19.5 14.6 22.0





#37

1,2-Dichloroethane

Concen: 11.605 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

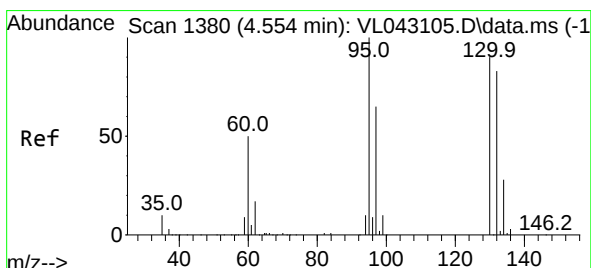
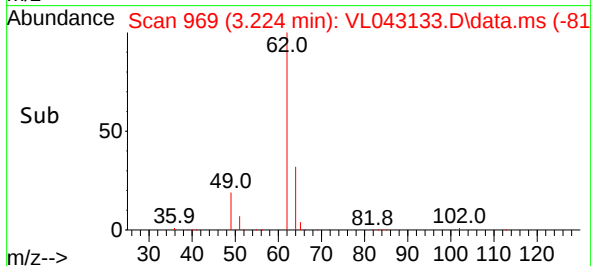
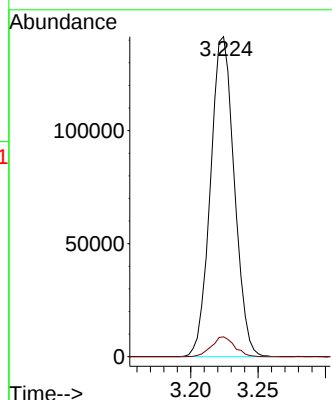
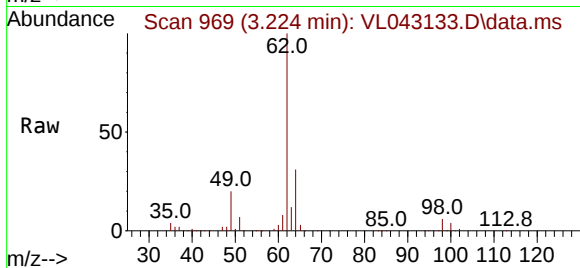
VL1017ABS01

Tgt Ion: 62 Resp: 174277

Ion Ratio Lower Upper

62 100

98 6.0 5.8 8.6



#38

Trichloroethene

Concen: 9.078 ppbv

RT: 4.555 min Scan# 1380

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Tgt Ion:130 Resp: 98828

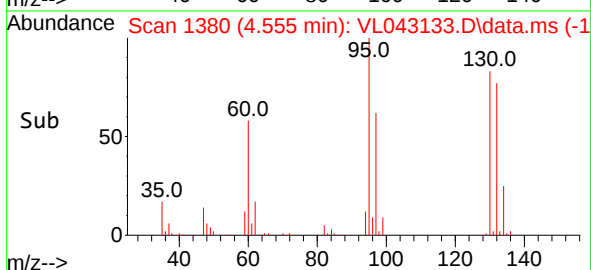
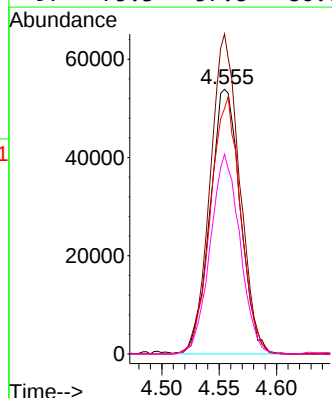
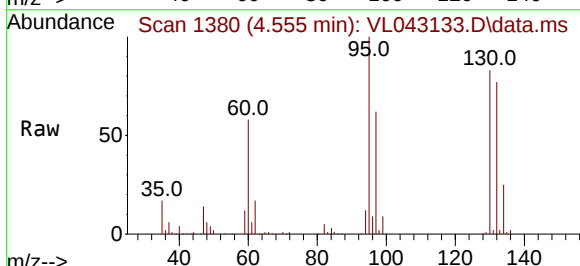
Ion Ratio Lower Upper

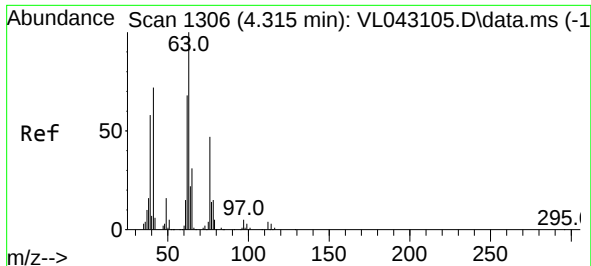
130 100

95 120.4 88.6 133.0

132 92.6 73.4 110.0

97 75.3 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.309 ppbv

RT: 4.322 min Scan# 11

Delta R.T. 0.007 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

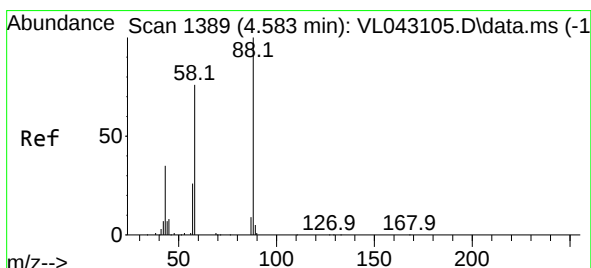
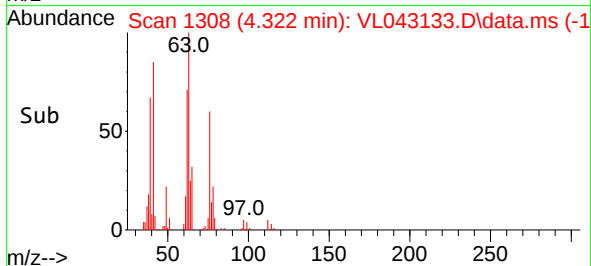
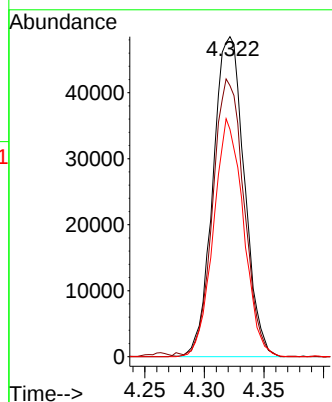
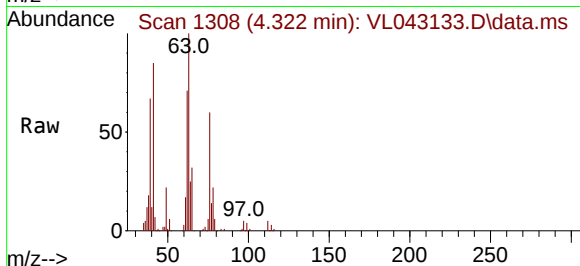
Tgt Ion: 63 Resp: 88716

Ion Ratio Lower Upper

63 100

41 84.5 58.0 87.0

62 70.9 54.7 82.1



#40

1,4-Dioxane

Concen: 9.458 ppbv

RT: 4.587 min Scan# 1390

Delta R.T. 0.003 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Tgt Ion: 88 Resp: 40336

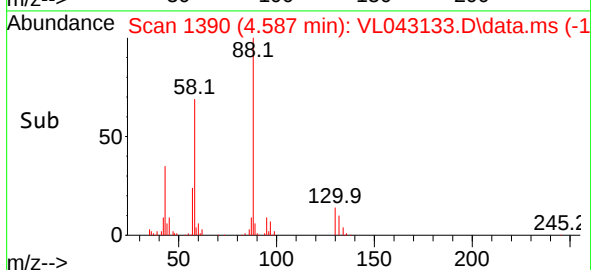
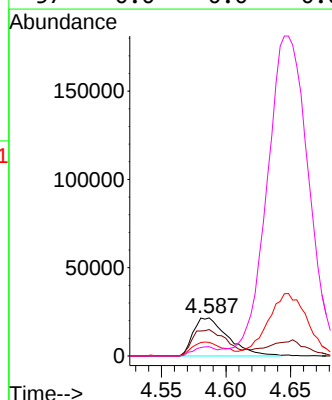
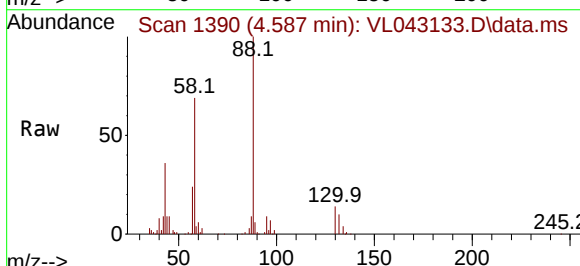
Ion Ratio Lower Upper

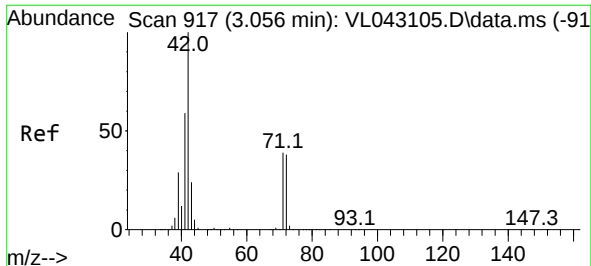
88 100

58 71.4 61.1 91.7

43 34.3 24.0 36.0

57 0.0 0.0 0.0

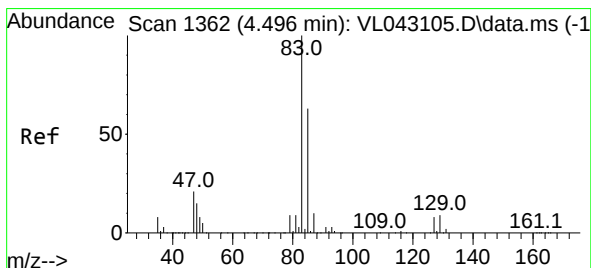
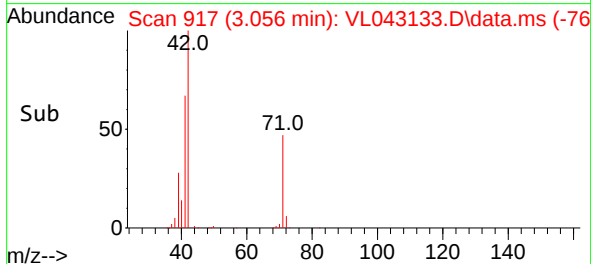
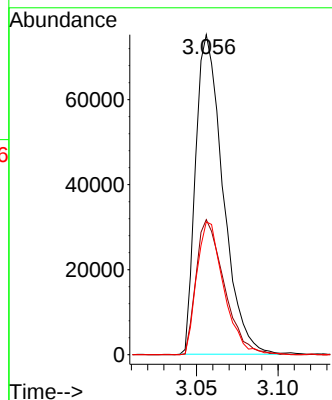
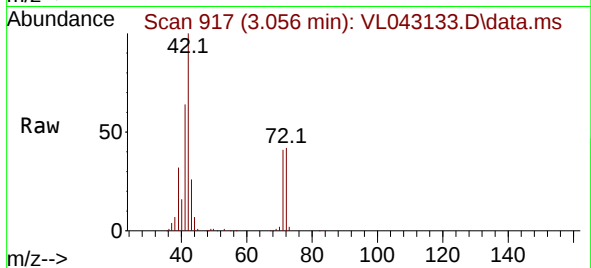




#41
Tetrahydrofuran
Concen: 8.436 ppbv
RT: 3.056 min Scan# 917
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

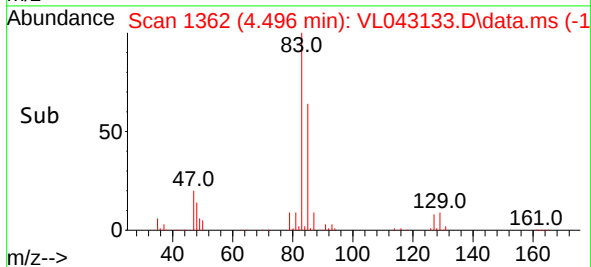
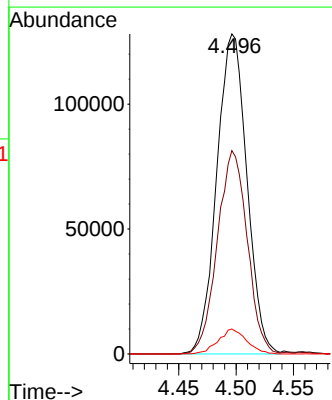
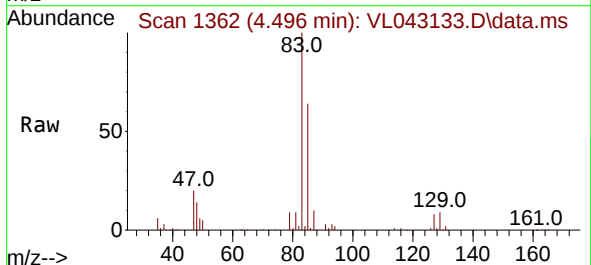
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

Tgt Ion: 42 Resp: 87781
Ion Ratio Lower Upper
42 100
72 43.4 31.3 46.9
71 41.2 30.4 45.6



#42
Bromodichloromethane
Concen: 11.259 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 83 Resp: 234007
Ion Ratio Lower Upper
83 100
85 63.6 50.6 75.8
127 7.8 6.3 9.5

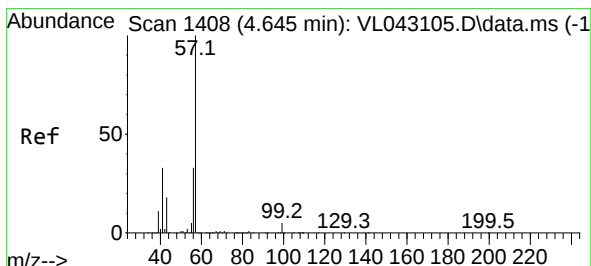
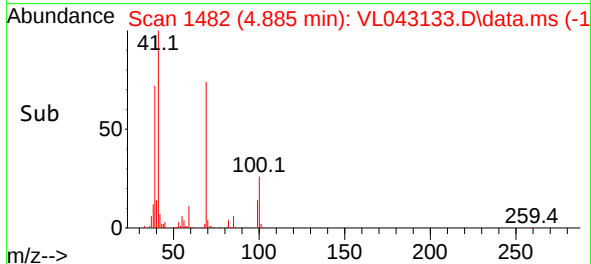
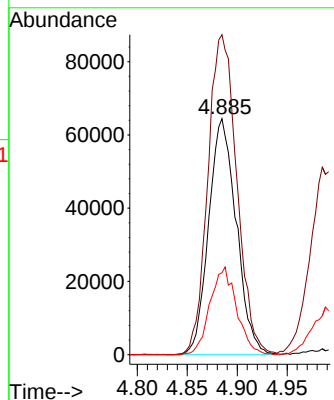
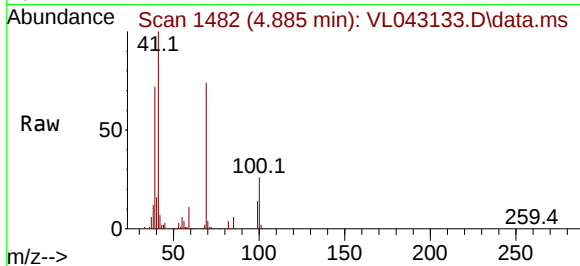




#43
Methyl Methacrylate
Concen: 9.369 ppbv
RT: 4.885 min Scan# 1481
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

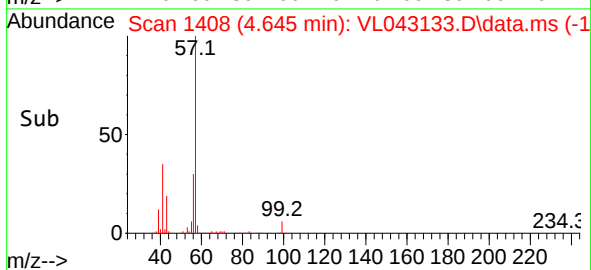
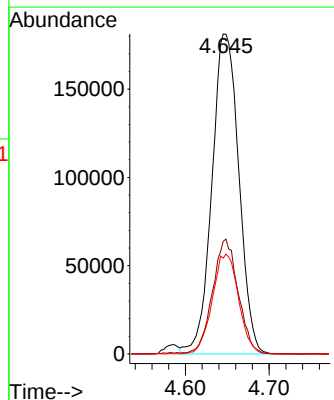
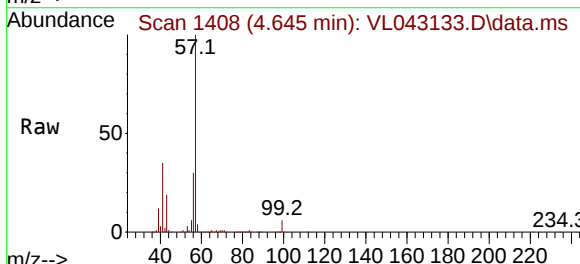
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

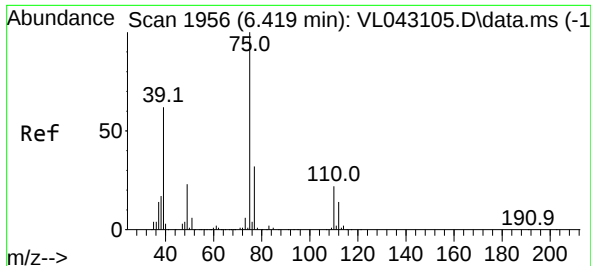
Tgt Ion: 69 Resp: 124049
Ion Ratio Lower Upper
69 100
41 142.0 120.5 180.7
100 35.7 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 9.196 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 57 Resp: 404458
Ion Ratio Lower Upper
57 100
41 34.4 26.3 39.5
56 30.6 25.9 38.9

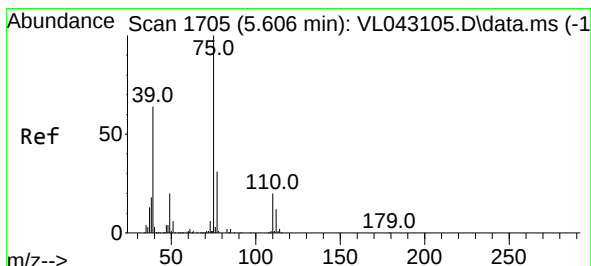
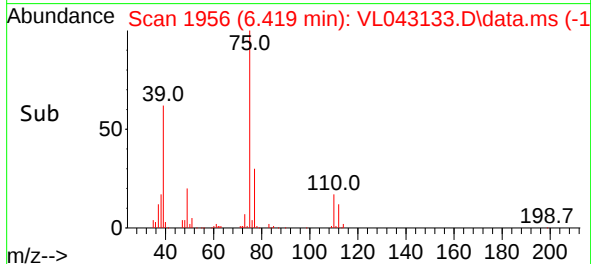
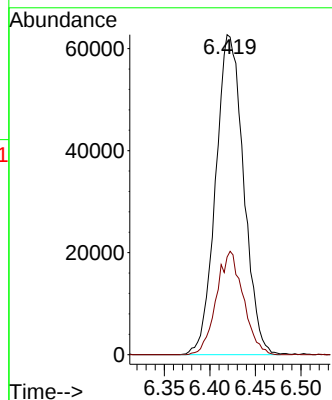
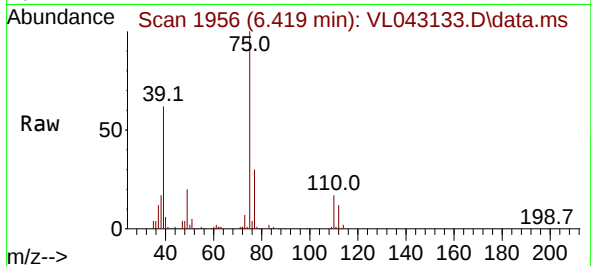




#45
 t-1,3-Dichloropropene
 Concen: 10.063 ppbv
 RT: 6.419 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

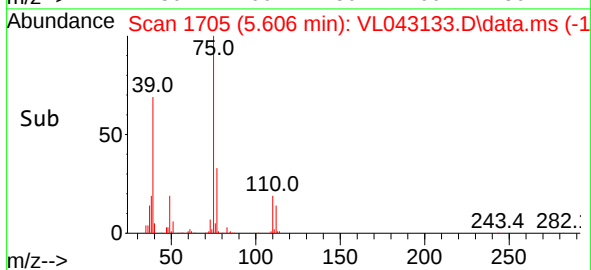
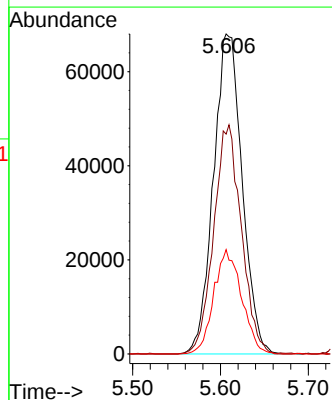
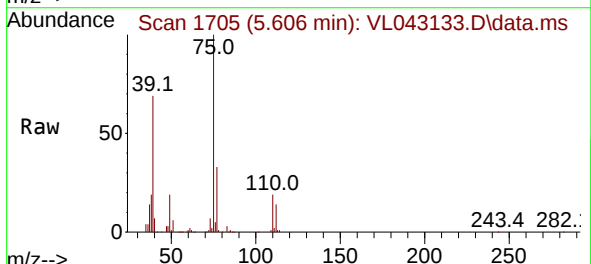
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABS01

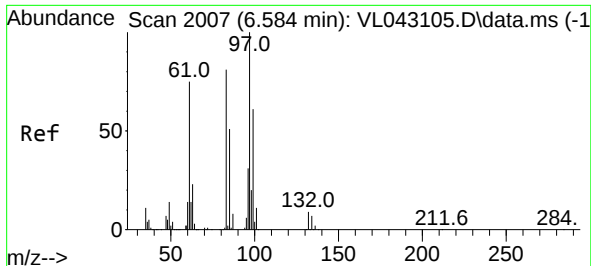
Tgt Ion: 75 Resp: 133701
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 9.743 ppbv m
 RT: 5.606 min Scan# 1705
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

Tgt Ion: 75 Resp: 154637
 Ion Ratio Lower Upper
 75 100
 39 68.7 51.0 76.6
 77 32.6 25.0 37.4

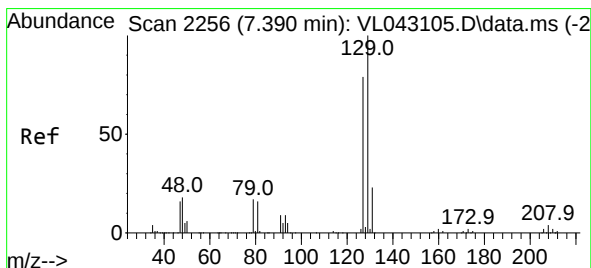
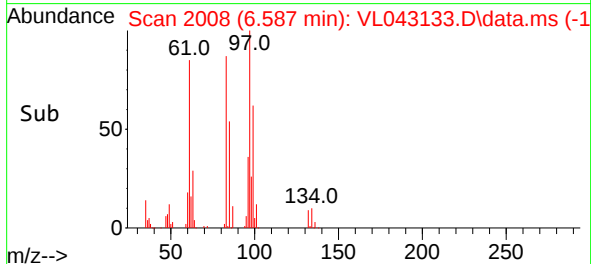
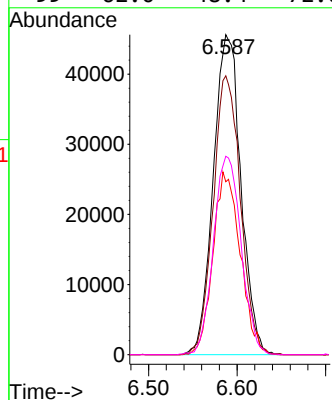
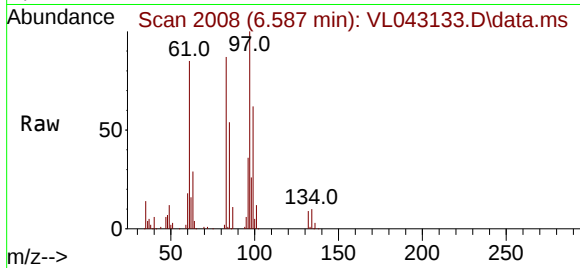




#47
1,1,2-Trichloroethane
Concen: 9.634 ppbv
RT: 6.587 min Scan# 2007
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

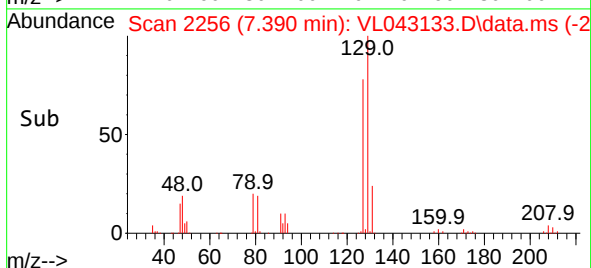
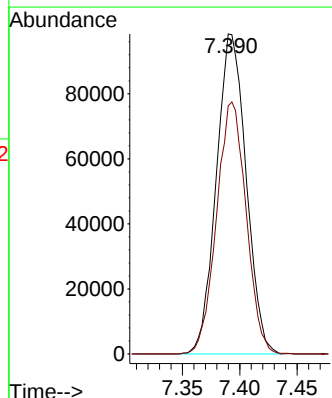
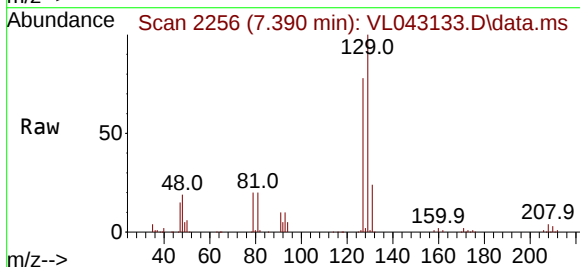
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

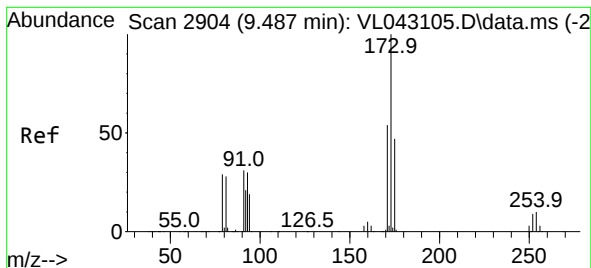
Tgt Ion: 97	Resp: 99146
Ion Ratio	Lower Upper
97 100	
83 87.1	64.6 96.8
85 54.1	40.6 60.8
99 62.0	48.4 72.6



#48
Dibromochloromethane
Concen: 10.328 ppbv
RT: 7.390 min Scan# 2256
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion:129	Resp: 177716		
Ion Ratio	Lower	Upper	
129 100			
127 78.2	39.3	117.9	





#49

Bromoform

Concen: 10.116 ppbv

RT: 9.487 min Scan# 2904

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

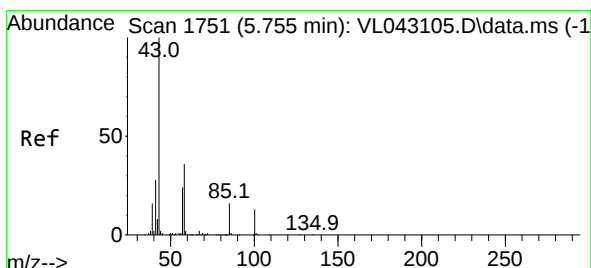
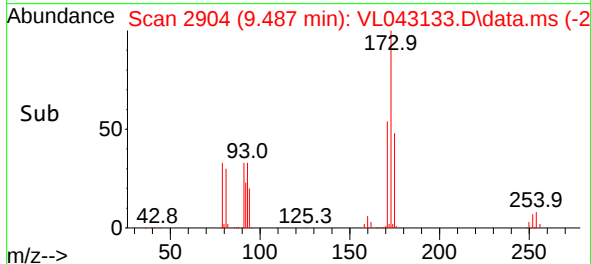
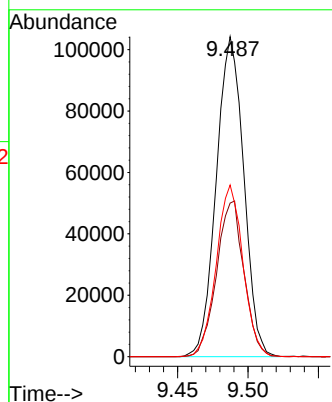
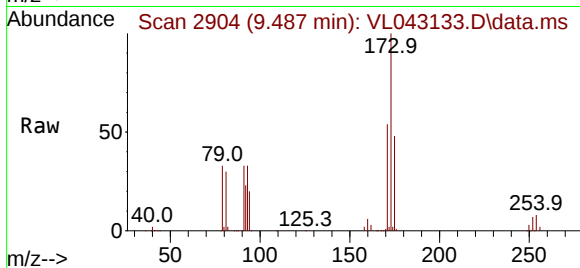
Tgt Ion:173 Resp: 141493

Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

171 52.2 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 8.596 ppbv

RT: 5.752 min Scan# 1750

Delta R.T. -0.003 min

Lab File: VL043133.D

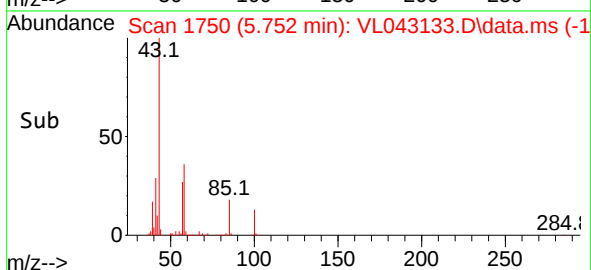
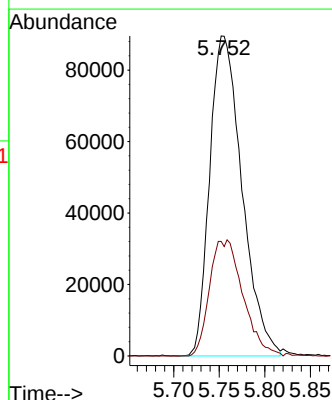
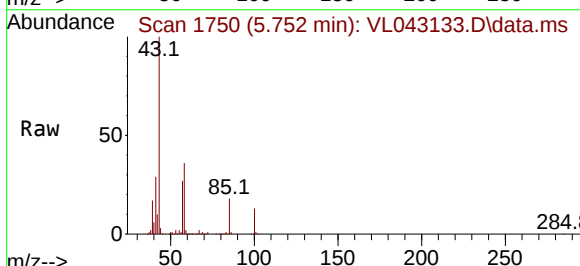
Acq: 17 Oct 2025 09:49

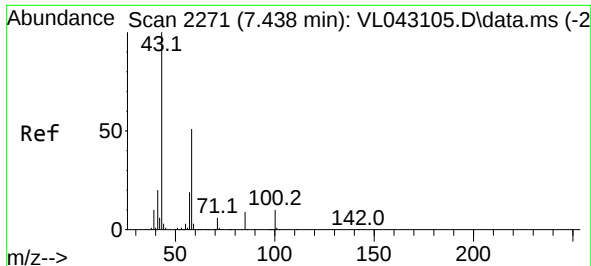
Tgt Ion: 43 Resp: 220700

Ion Ratio Lower Upper

43 100

58 37.6 29.1 43.7

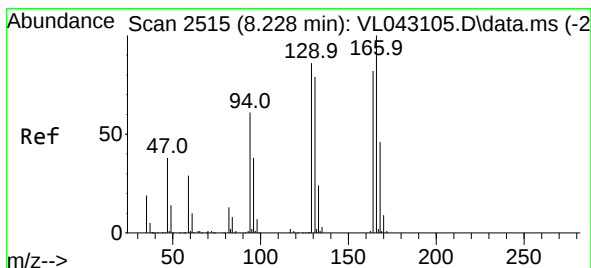
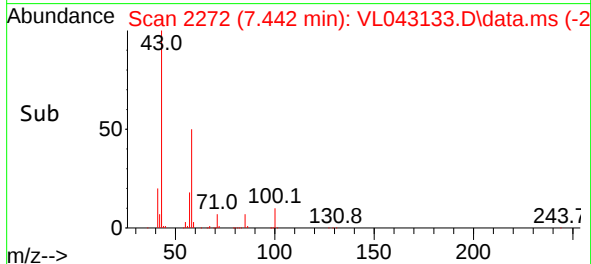
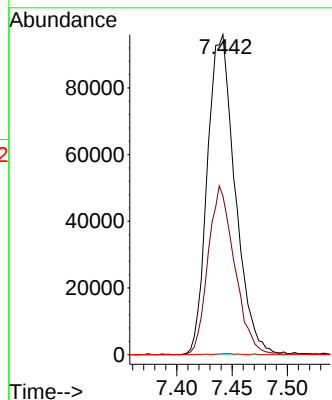
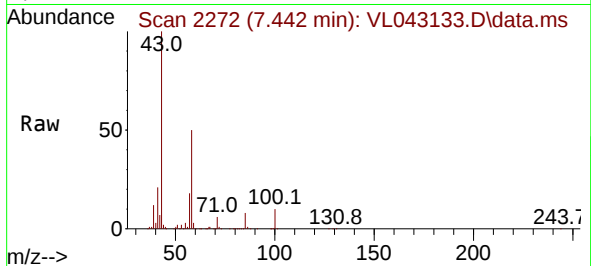




#51
2-Hexanone
Concen: 8.685 ppbv
RT: 7.442 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

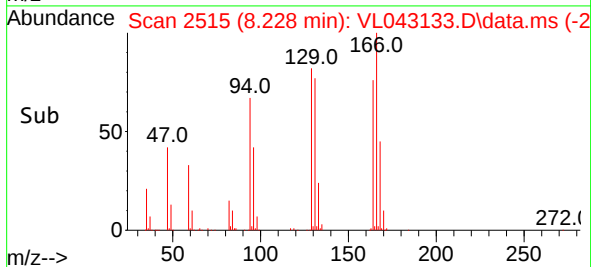
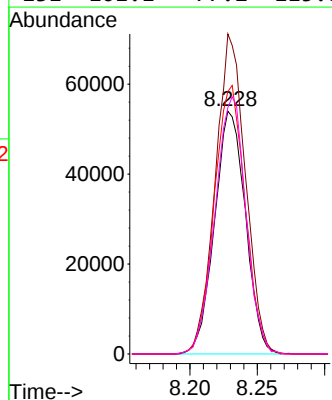
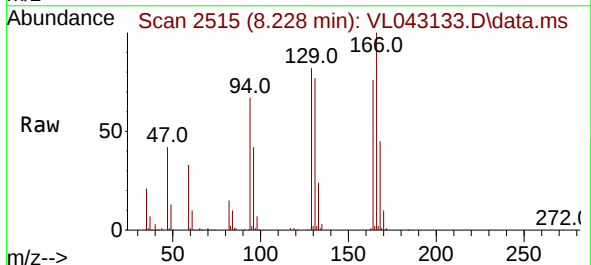
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

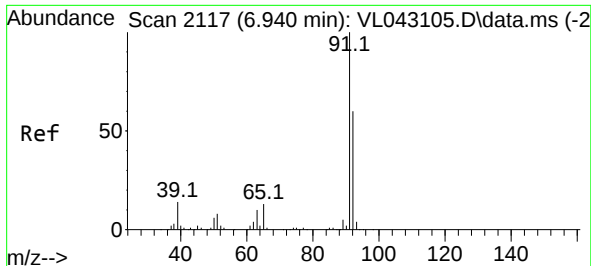
Tgt Ion: 43 Resp: 167255
Ion Ratio Lower Upper
43 100
58 50.7 40.4 60.6
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.145 ppbv
RT: 8.228 min Scan# 2515
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 164 Resp: 85968
Ion Ratio Lower Upper
164 100
166 131.5 97.6 146.4
129 107.8 84.5 126.7
131 101.1 77.2 115.8

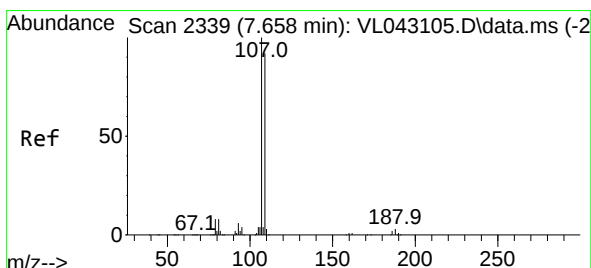
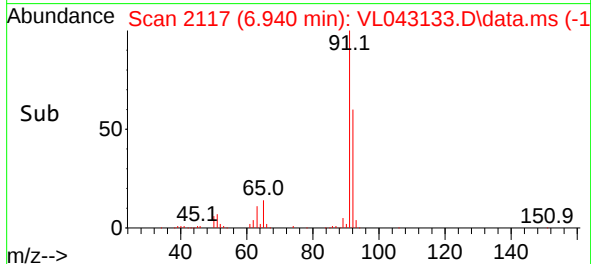
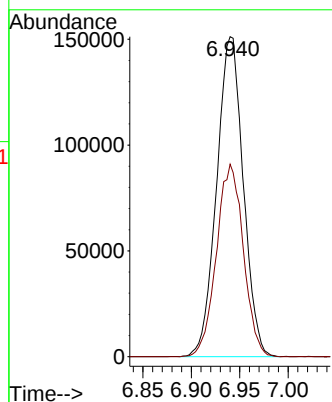
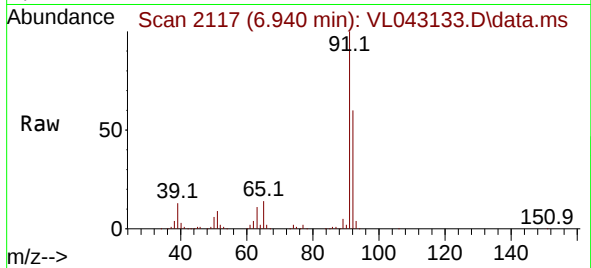




#53
Toluene
Concen: 9.350 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

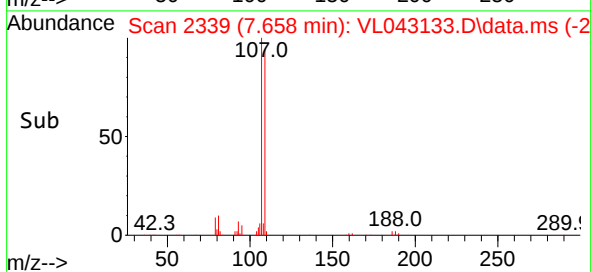
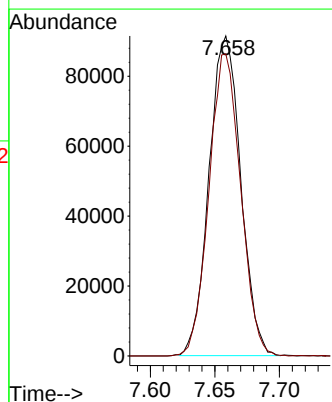
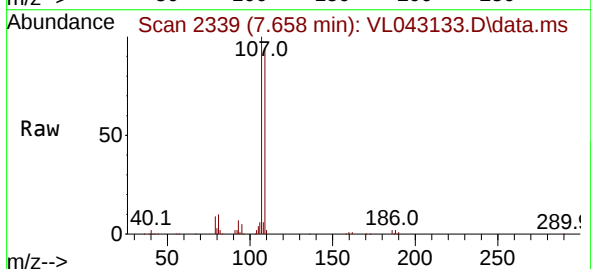
Instrument : MSVOA_L
ClientSampleId : VL1017ABS01

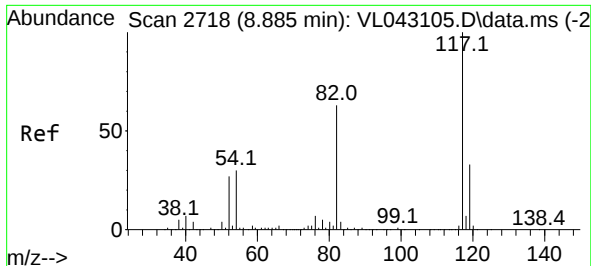
Tgt Ion: 91 Resp: 289286
Ion Ratio Lower Upper
91 100
92 60.8 48.8 73.2



#54
1,2-Dibromoethane
Concen: 9.688 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 107 Resp: 156166
Ion Ratio Lower Upper
107 100
109 94.3 73.4 110.2

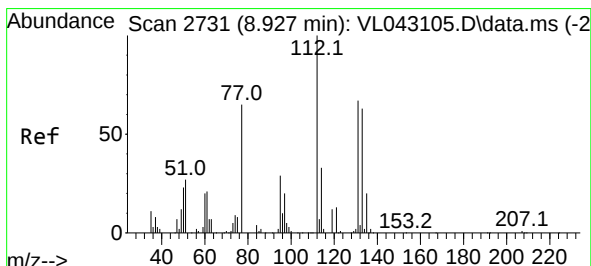
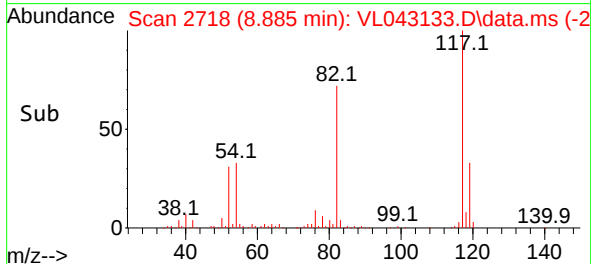
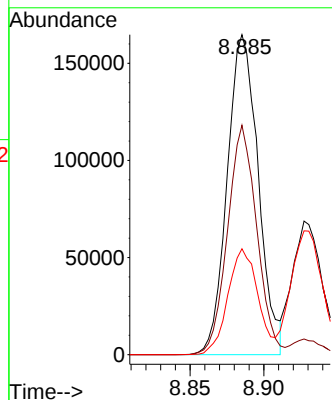
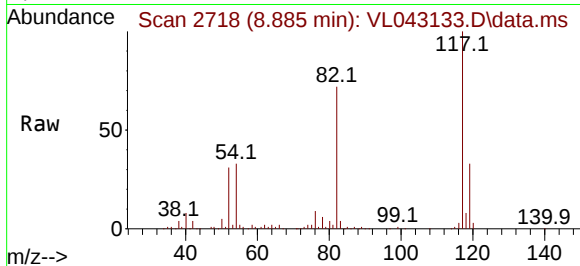




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

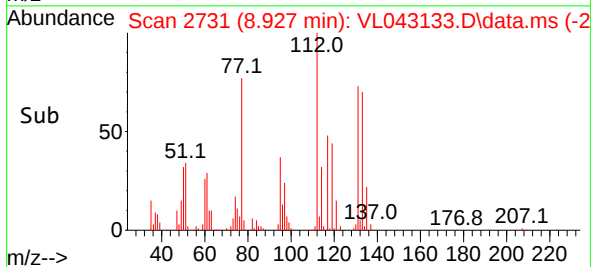
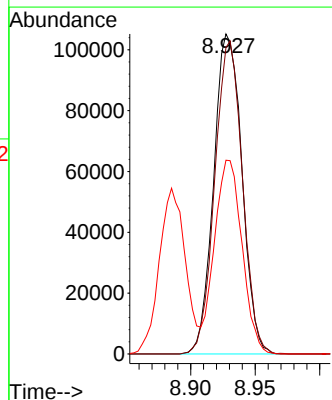
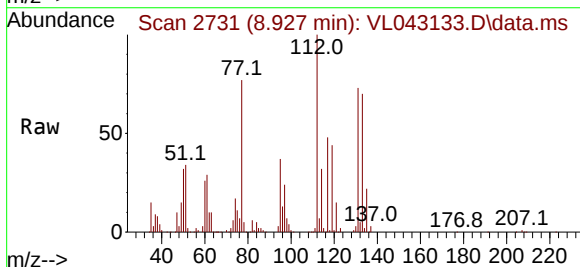
Instrument :
MSVOA_1
ClientSampleId :
VL1017ABS01

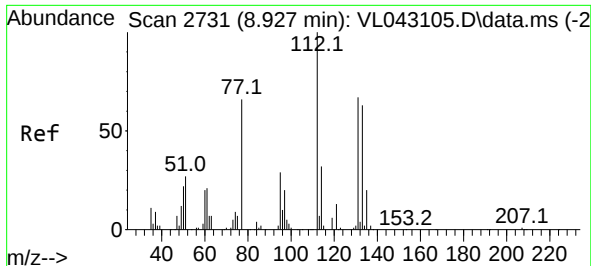
Tgt Ion:117 Resp: 241870
Ion Ratio Lower Upper
117 100
82 72.0 53.8 80.8
119 33.2 25.4 38.0



#56
1,1,1,2-Tetrachloroethane
Concen: 10.480 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion:131 Resp: 159796
Ion Ratio Lower Upper
131 100
133 95.9 75.7 113.5
119 60.2 50.6 76.0

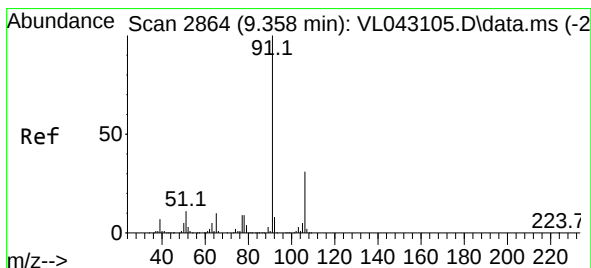
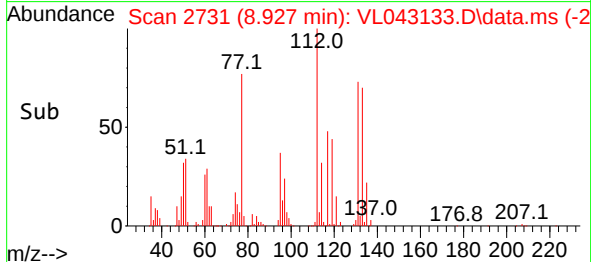
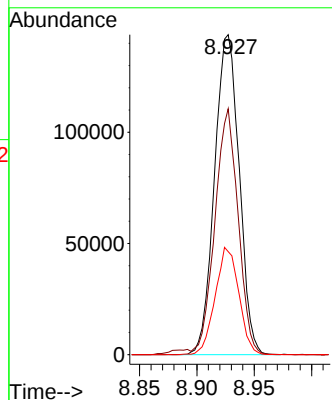
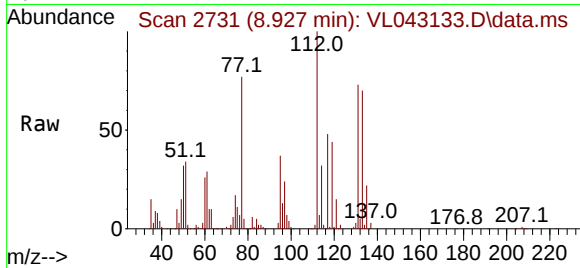




#57
Chlorobenzene
Concen: 9.508 ppbv
RT: 8.927 min Scan# 215135
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

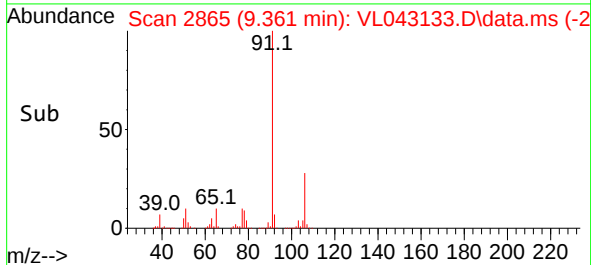
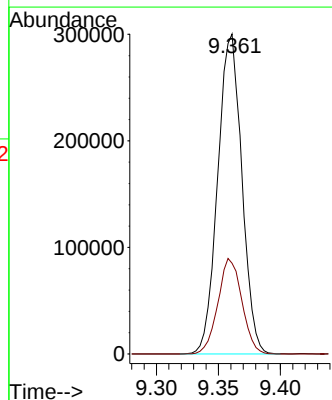
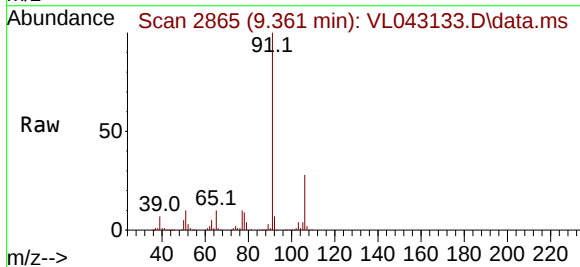
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

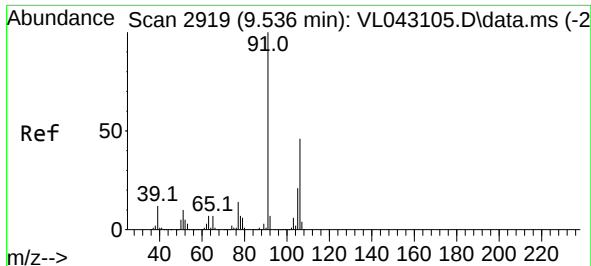
Tgt Ion:112 Resp: 215135
Ion Ratio Lower Upper
112 100
77 76.8 53.3 79.9
114 32.2 29.3 35.8



#58
Ethyl Benzene
Concen: 9.800 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.003 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 91 Resp: 406807
Ion Ratio Lower Upper
91 100
106 28.4 24.8 37.2





#59

m/p-Xylene

Concen: 20.008 ppbv m

RT: 9.555 min Scan# 2919

Delta R.T. 0.020 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

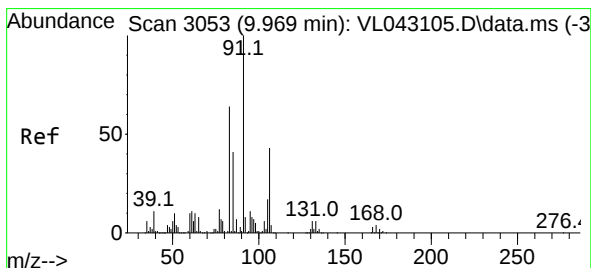
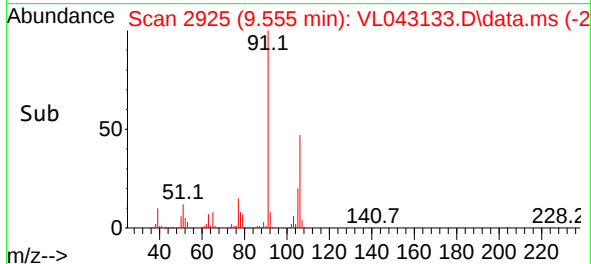
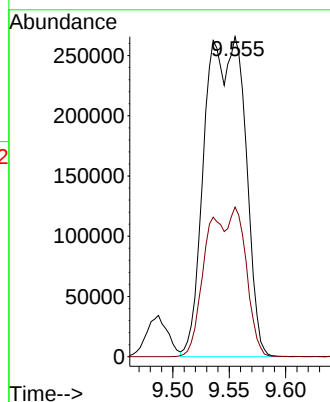
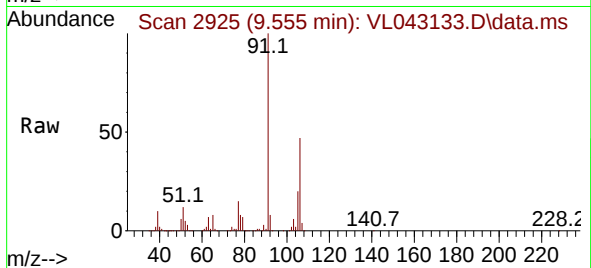
VL1017ABS01

Tgt Ion: 91 Resp: 662450

Ion Ratio Lower Upper

91 100

106 0.0 38.0 57.0#



#60

o-Xylene

Concen: 10.024 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VL043133.D

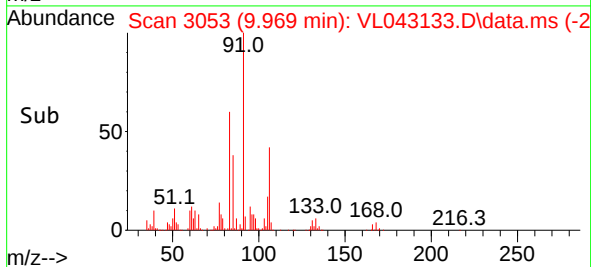
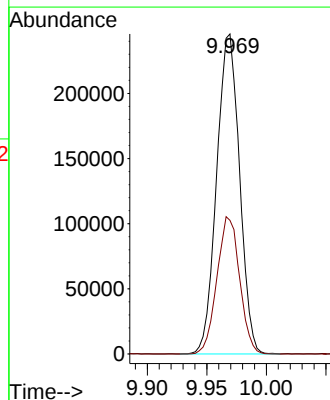
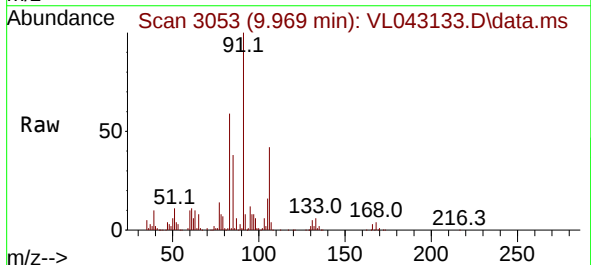
Acq: 17 Oct 2025 09:49

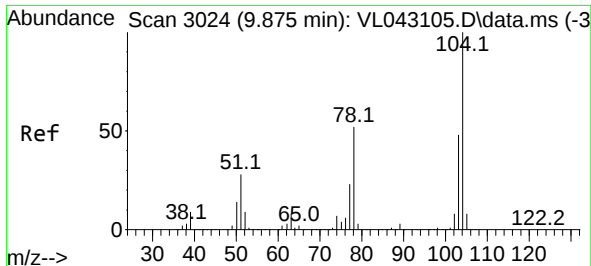
Tgt Ion: 91 Resp: 327790

Ion Ratio Lower Upper

91 100

106 42.4 21.9 65.8

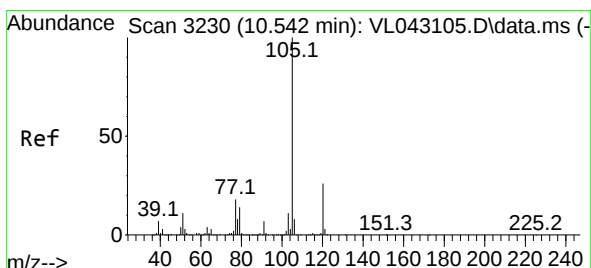
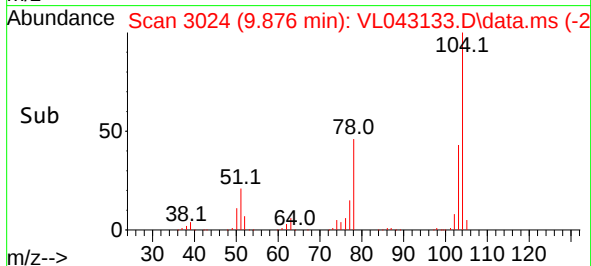
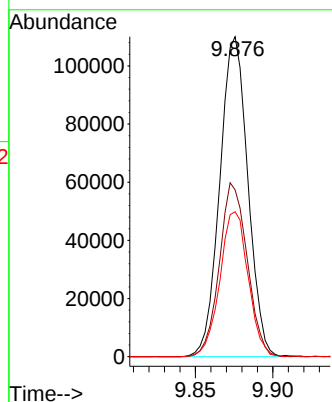
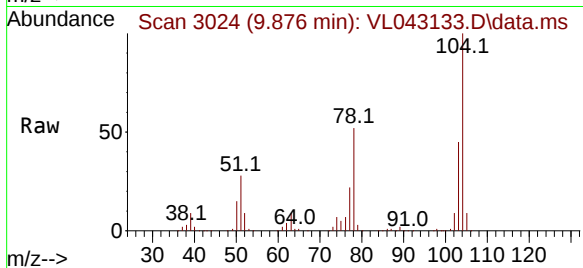




#61
Styrene
Concen: 9.386 ppbv
RT: 9.876 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

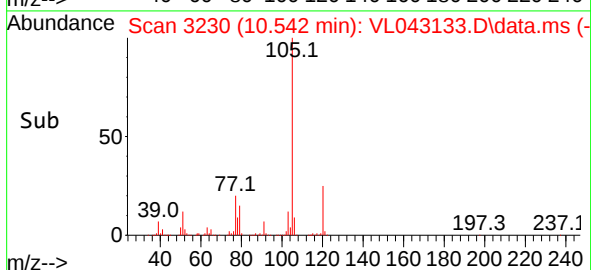
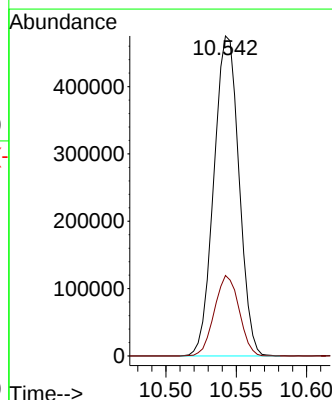
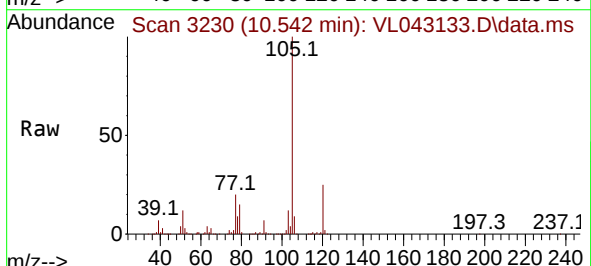
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

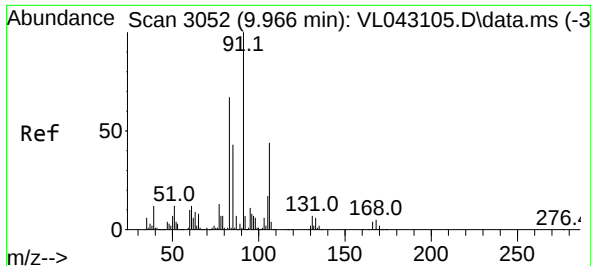
Tgt Ion:104 Resp: 138547
Ion Ratio Lower Upper
104 100
78 53.9 40.2 60.2
103 45.8 36.9 55.3



#62
Isopropylbenzene
Concen: 9.983 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion:105 Resp: 589869
Ion Ratio Lower Upper
105 100
120 24.7 20.2 30.4

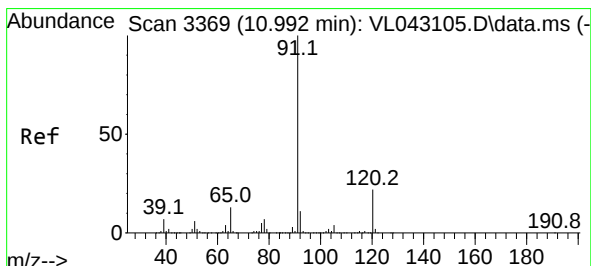
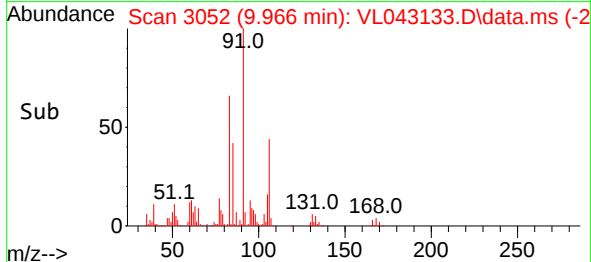
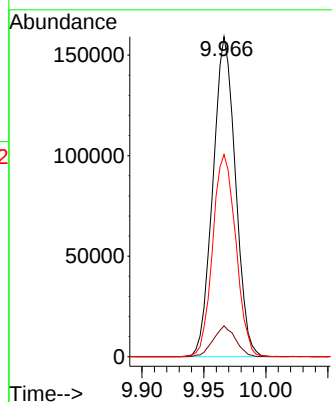
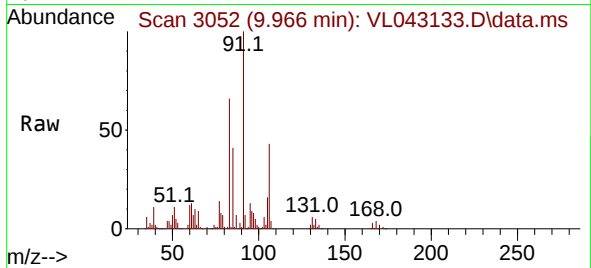




#63
1,1,2,2-Tetrachloroethane
Concen: 9.212 ppbv
RT: 9.966 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

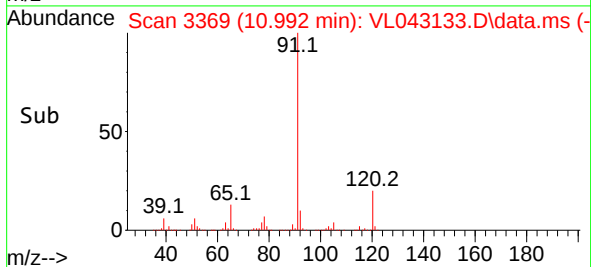
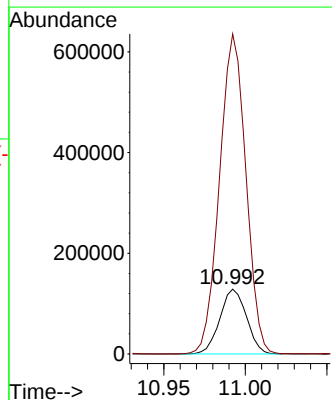
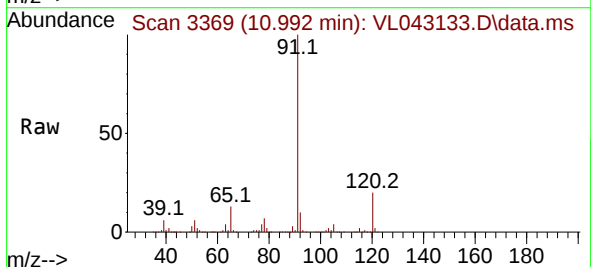
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

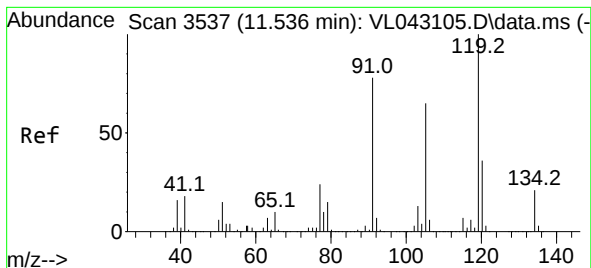
Tgt Ion: 83 Resp: 201710
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.3
85 64.8 32.0 96.0



#64
n-propylbenzene
Concen: 9.341 ppbv
RT: 10.992 min Scan# 3369
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 120 Resp: 146120
Ion Ratio Lower Upper
120 100
91 488.7 361.6 542.4

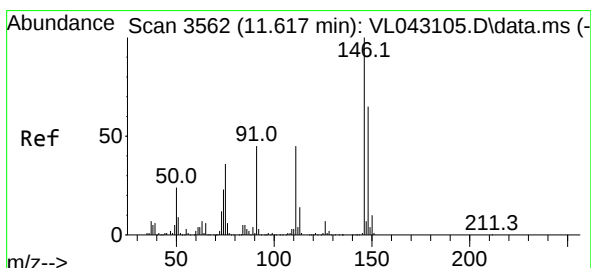
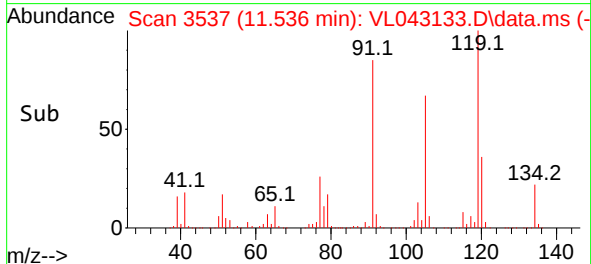
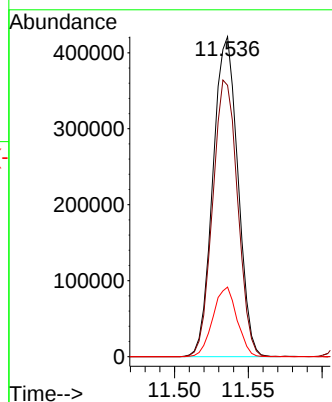
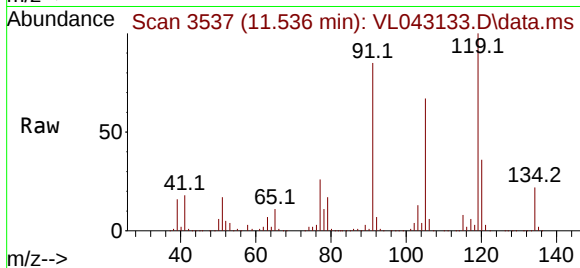




#65
tert-Butylbenzene
Concen: 9.502 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

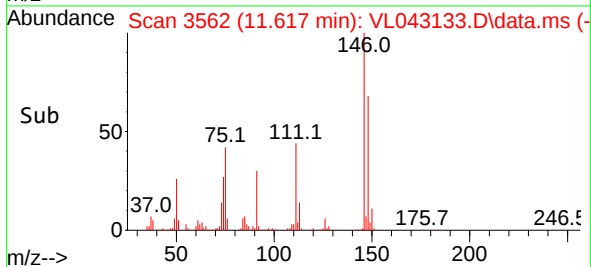
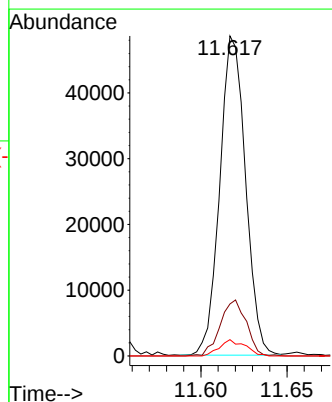
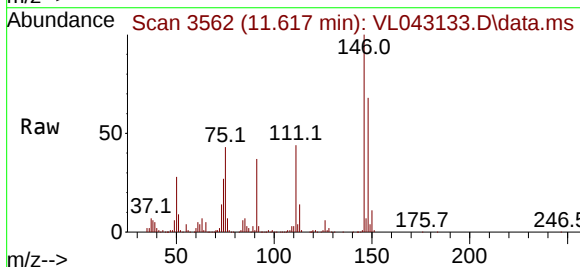
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABS01

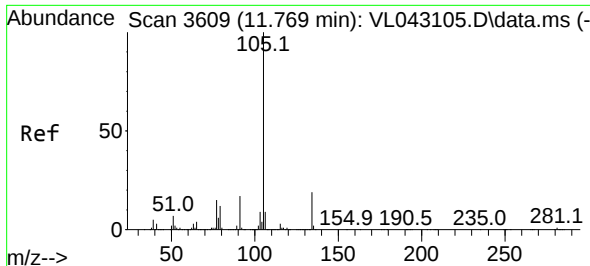
Tgt Ion:119 Resp: 495805
Ion Ratio Lower Upper
119 100
91 86.4 63.4 95.0
134 21.0 17.3 25.9



#66
Benzyl Chloride
Concen: 8.690 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 91 Resp: 50468
Ion Ratio Lower Upper
91 100
126 17.8 14.6 22.0
128 5.1 4.6 6.8

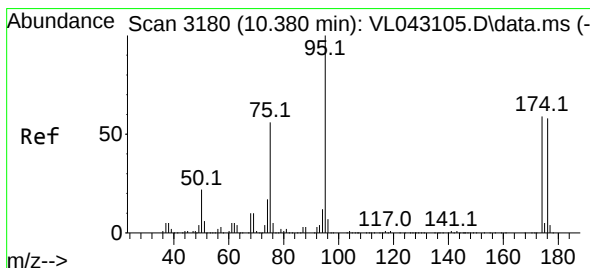
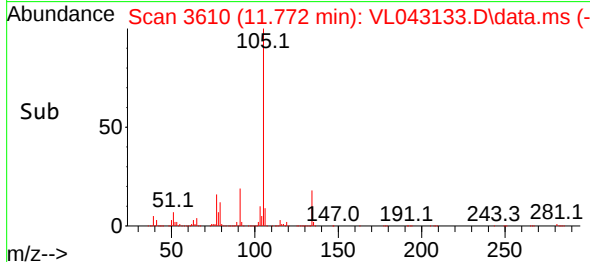
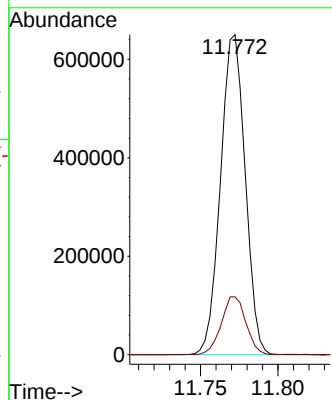
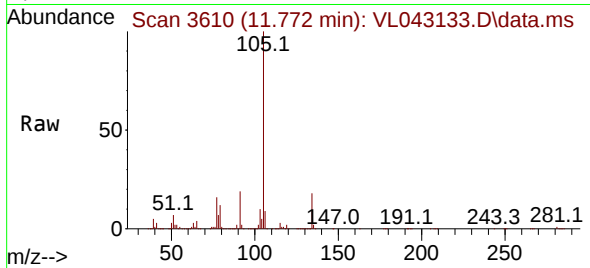




#67
 sec-Butylbenzene
 Concen: 9.724 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. 0.003 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

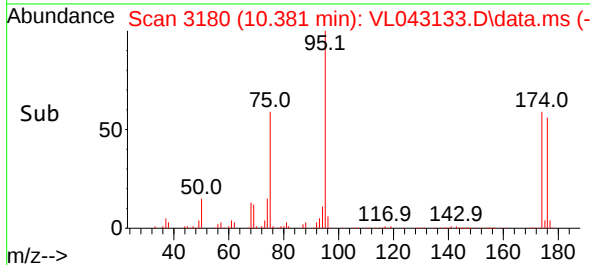
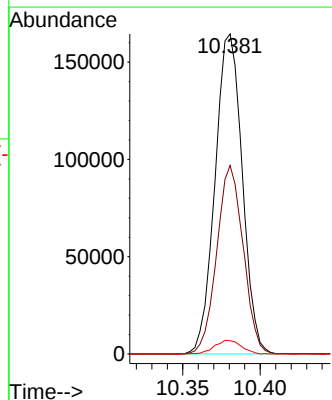
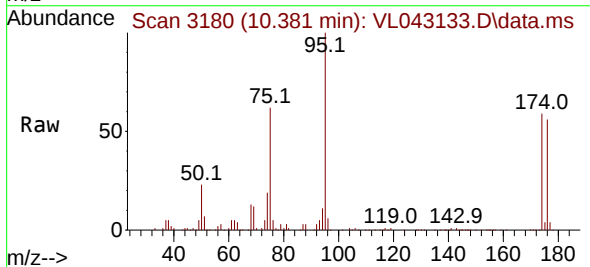
Instrument :
 MSVOA_1
 ClientSampleId :
 VL1017ABS01

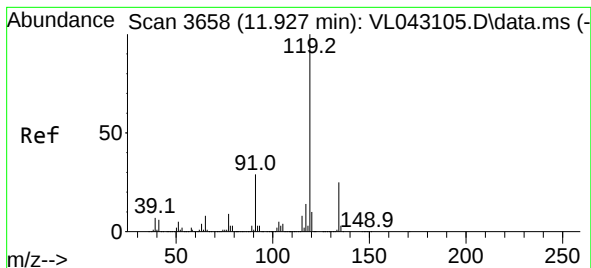
Tgt Ion:105 Resp: 720069
 Ion Ratio Lower Upper
 105 100
 134 18.2 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.687 ppbv
 RT: 10.381 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: VL043133.D
 Acq: 17 Oct 2025 09:49

Tgt Ion: 95 Resp: 200910
 Ion Ratio Lower Upper
 95 100
 174 57.2 48.3 72.5
 175 4.2 3.8 5.8





#69

p-Isopropyltoluene

Concen: 9.578 ppbv

RT: 11.931 min Scan# 3659

Delta R.T. 0.003 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_1

ClientSampleId :

VL1017ABS01

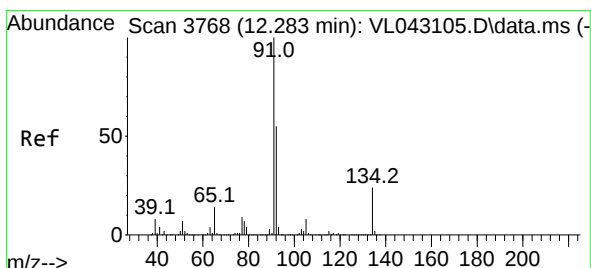
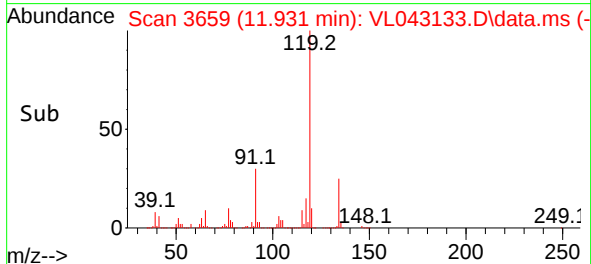
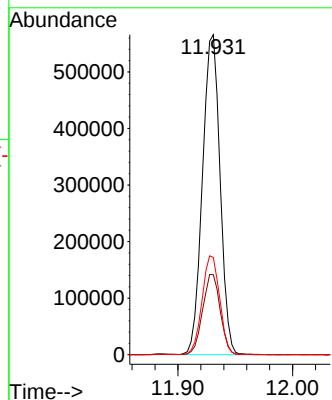
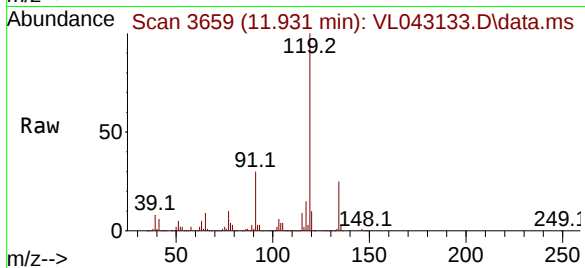
Tgt Ion:119 Resp: 602757

Ion Ratio Lower Upper

119 100

134 25.1 20.3 30.5

91 31.1 22.6 33.8



#70

n-Butylbenzene

Concen: 10.055 ppbv

RT: 12.284 min Scan# 3768

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

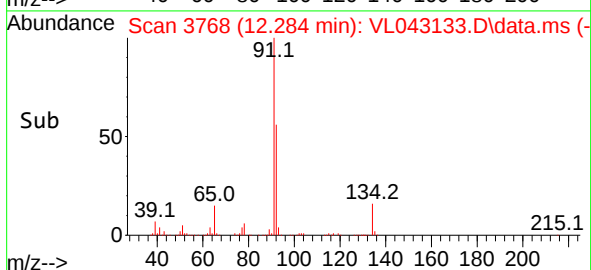
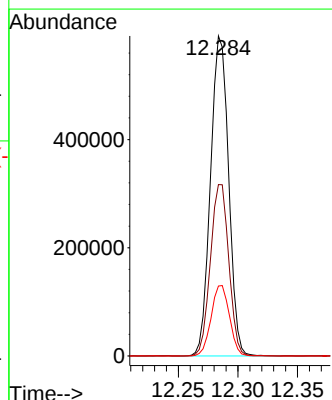
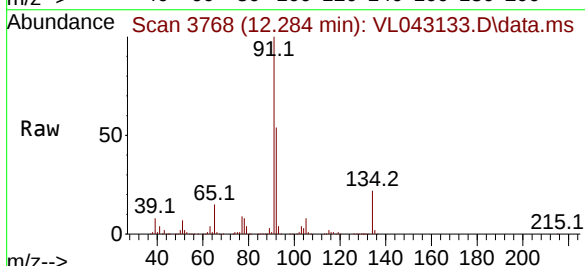
Tgt Ion: 91 Resp: 623511

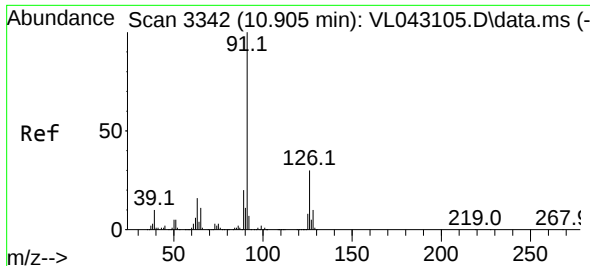
Ion Ratio Lower Upper

91 100

92 54.5 44.5 66.7

134 22.3 19.3 28.9

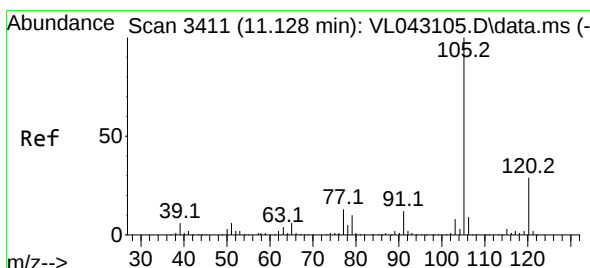
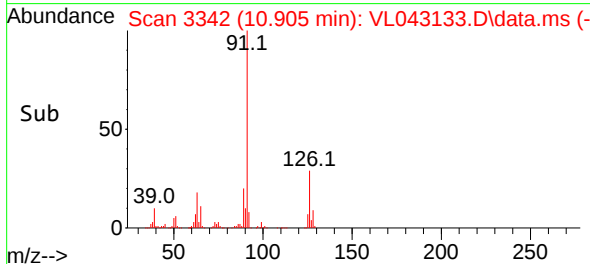
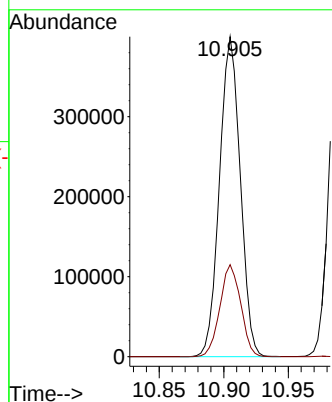
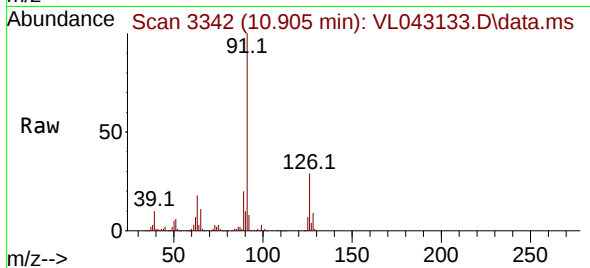




#71
2-Chlorotoluene
Concen: 9.916 ppbv
RT: 10.905 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

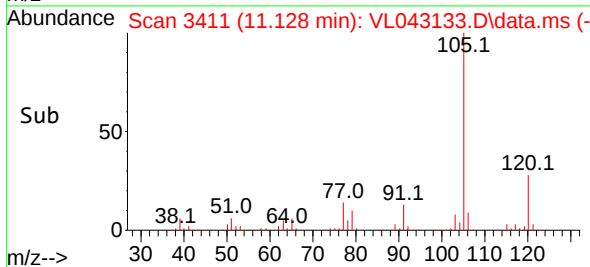
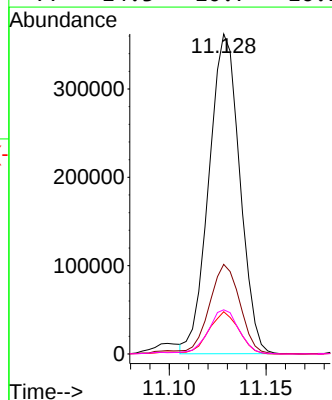
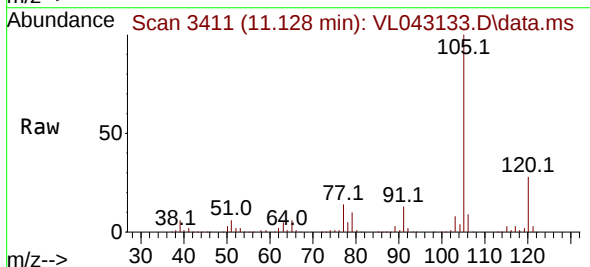
Instrument :
MSVOA_1
ClientSampleId :
VL1017ABS01

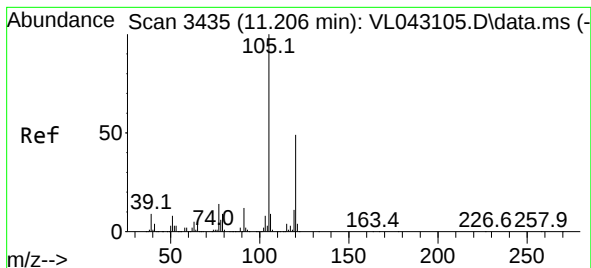
Tgt Ion: 91 Resp: 446868
Ion Ratio Lower Upper
91 100
126 28.7 12.0 48.0



#72
4-Ethyltoluene
Concen: 9.974 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion: 105 Resp: 401046
Ion Ratio Lower Upper
105 100
120 28.6 24.2 36.4
91 13.2 10.0 15.0
77 14.3 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 10.177 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

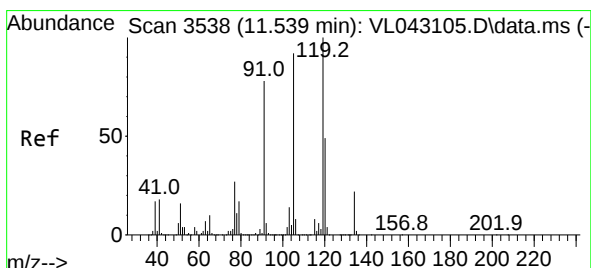
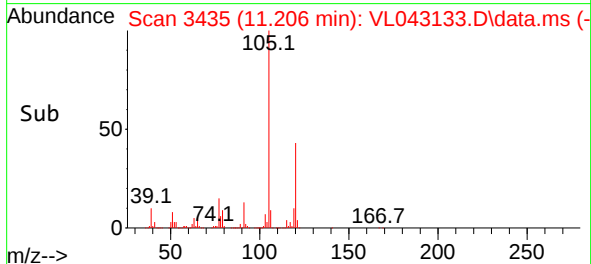
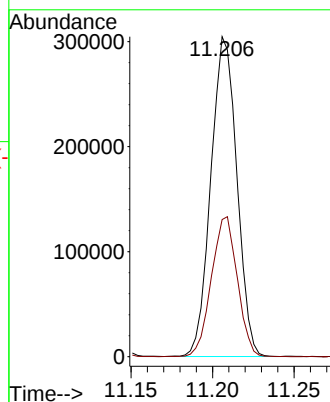
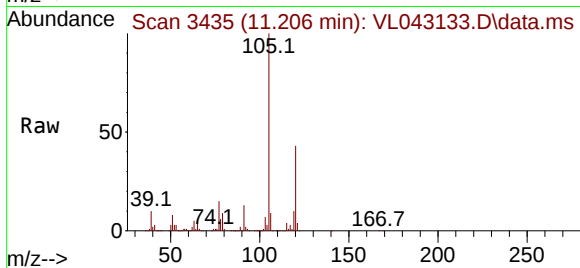
VL1017ABS01

Tgt Ion:105 Resp: 337470

Ion Ratio Lower Upper

105 100

120 42.8 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 9.833 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Tgt Ion:105 Resp: 364871

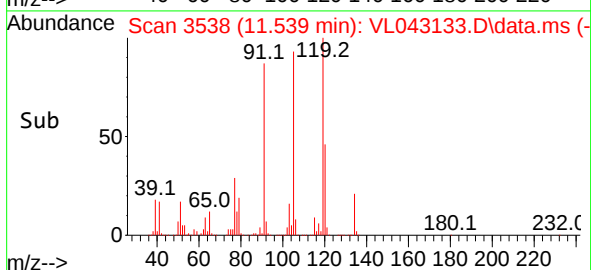
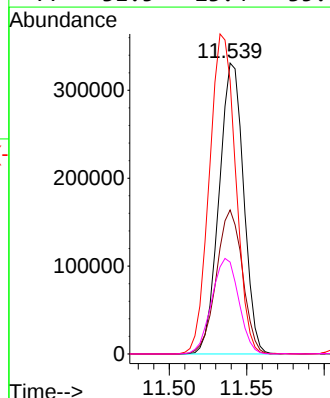
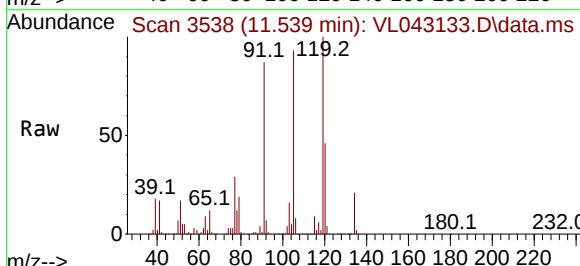
Ion Ratio Lower Upper

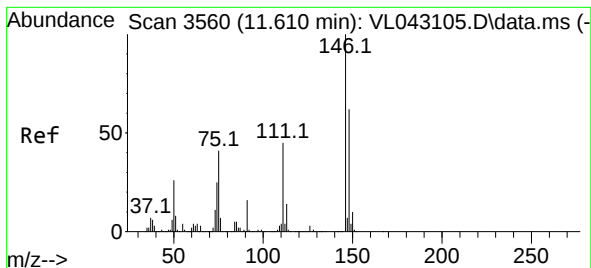
105 100

120 49.5 42.8 64.2

91 93.9 68.3 102.5

77 31.5 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 9.479 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_1

ClientSampleId :

VL1017ABS01

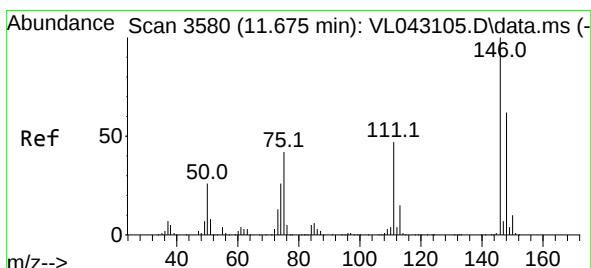
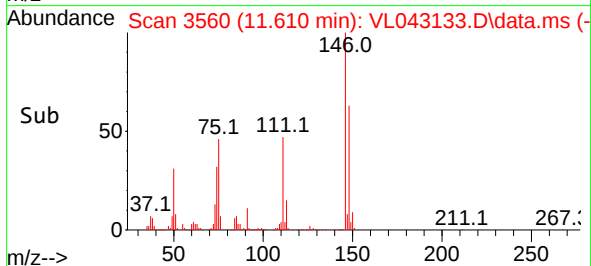
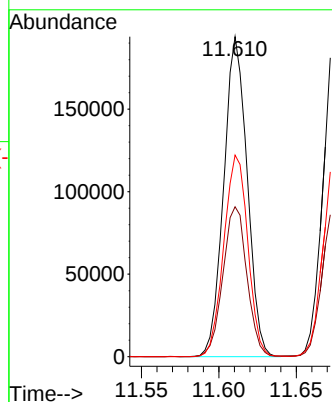
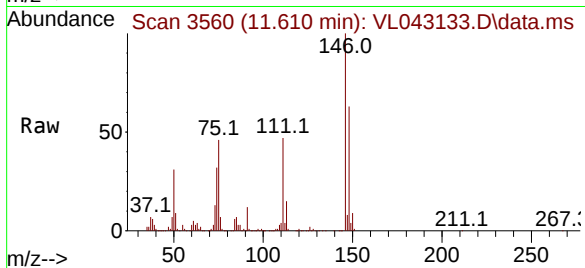
Tgt Ion:146 Resp: 204002

Ion Ratio Lower Upper

146 100

111 48.0 23.3 69.9

148 64.7 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 9.629 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

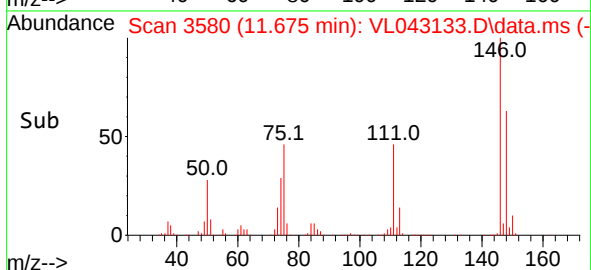
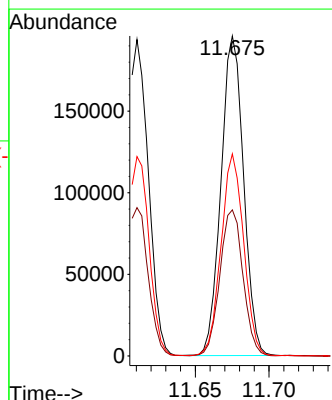
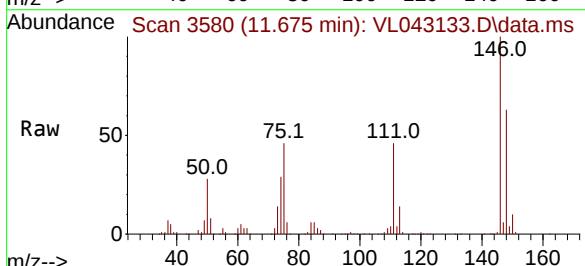
Tgt Ion:146 Resp: 208969

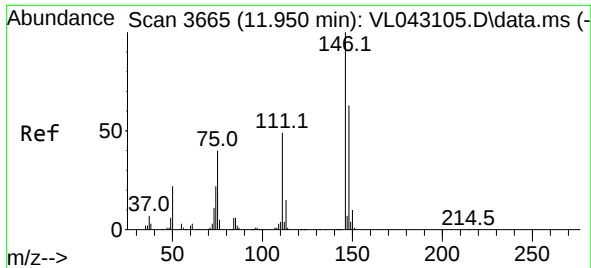
Ion Ratio Lower Upper

146 100

111 46.9 22.4 67.0

148 63.4 31.6 94.7

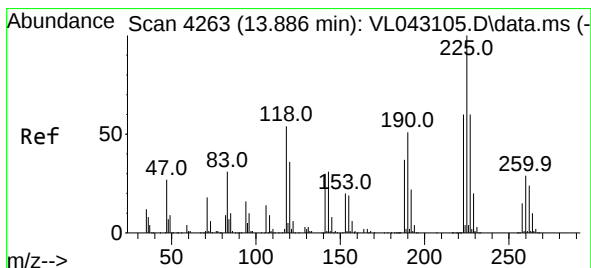
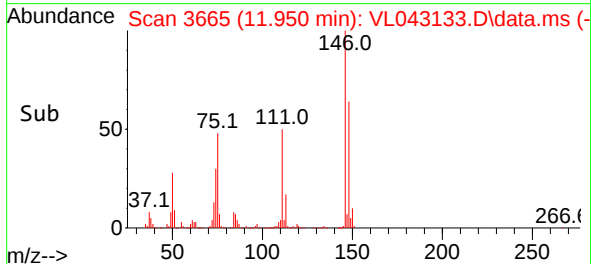
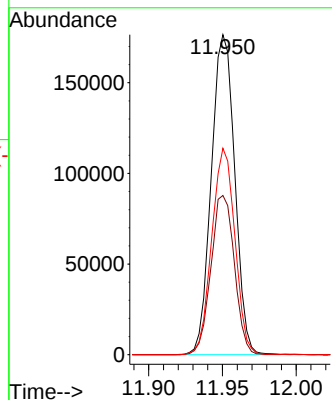
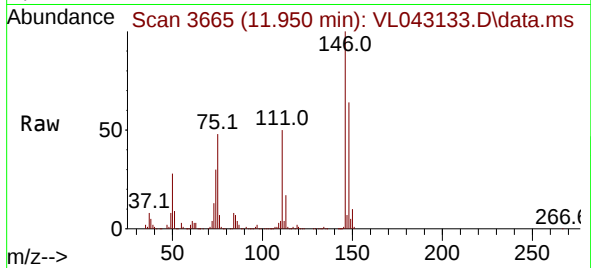




#77
1,2-Dichlorobenzene
Concen: 9.385 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

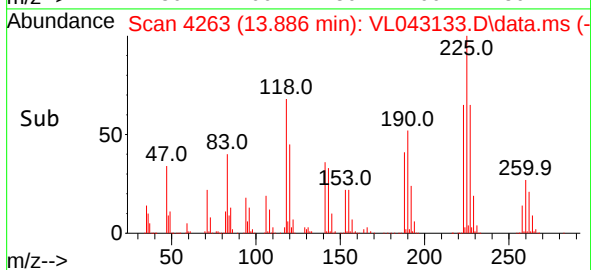
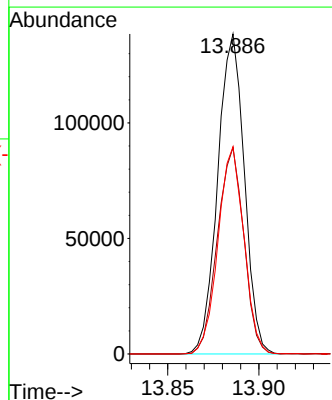
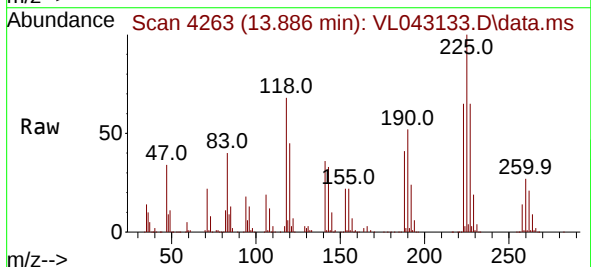
Instrument :
MSVOA_1
ClientSampleId :
VL1017ABS01

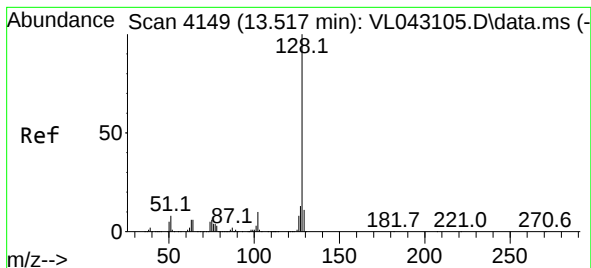
Tgt Ion:146 Resp: 195406
Ion Ratio Lower Upper
146 100
111 49.8 24.0 72.0
148 63.7 31.1 93.3



#78
Hexachloro-1,3-Butadiene
Concen: 8.718 ppbv
RT: 13.886 min Scan# 4263
Delta R.T. 0.000 min
Lab File: VL043133.D
Acq: 17 Oct 2025 09:49

Tgt Ion:225 Resp: 140542
Ion Ratio Lower Upper
225 100
223 63.9 50.2 75.4
227 62.8 49.6 74.4





#79

Naphthalene

Concen: 9.321 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01

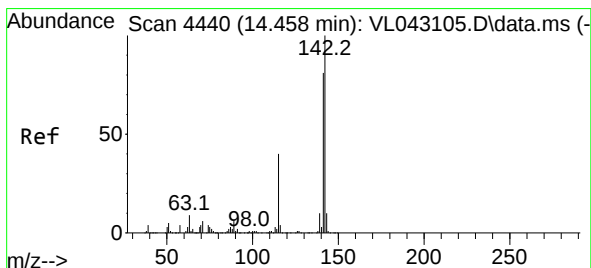
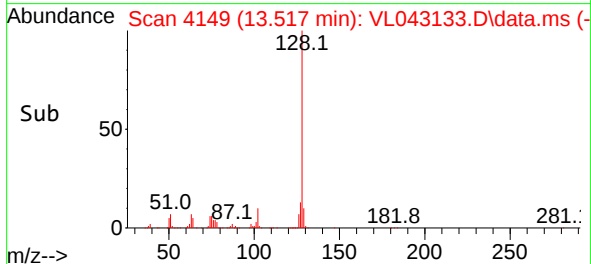
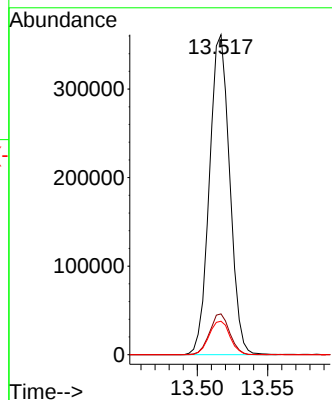
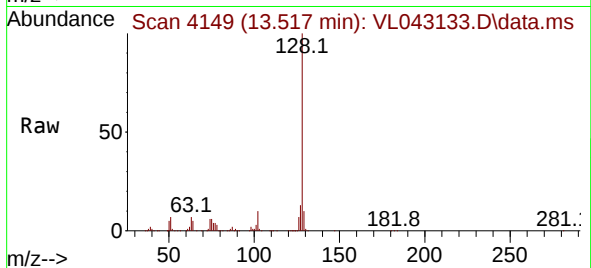
Tgt Ion:128 Resp: 361506

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.4 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 10.793 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL043133.D

Acq: 17 Oct 2025 09:49

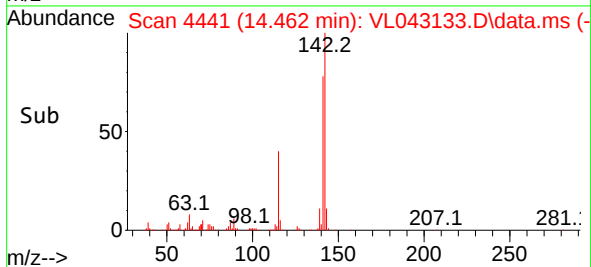
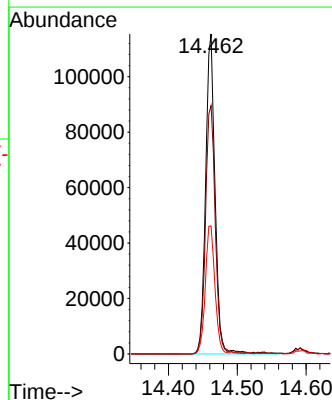
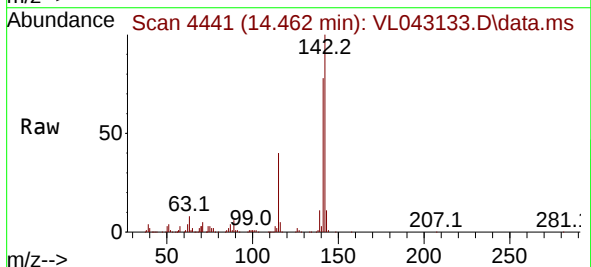
Tgt Ion:142 Resp: 109059

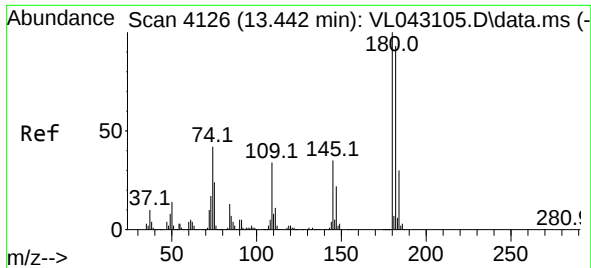
Ion Ratio Lower Upper

142 100

141 81.7 64.6 97.0

115 41.9 30.2 45.4





#81

1,2,4-Trichlorobenzene

Concen: 9.431 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043133.D

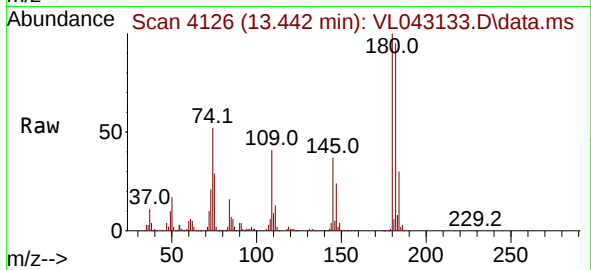
Acq: 17 Oct 2025 09:49

Instrument :

MSVOA_L

ClientSampleId :

VL1017ABS01



Tgt Ion:180 Resp: 151819

Ion Ratio Lower Upper

180 100

182 96.1 75.5 113.3

184 30.3 23.9 35.9

