

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043114.D
 Acq On : 15 Oct 2025 08:43
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 16 01:13:46 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	2.790	49	98213	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	316115	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	288868	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 227182 10.118 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.200%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.502	85	134418	9.627	ppbv	97
3) Chlorodifluoromethane	1.479	51	135903	8.996	ppbv	98
4) Chloromethane	1.534	50	48684	8.801	ppbv	98
5) Vinyl Chloride	1.583	62	48129	8.871	ppbv	98
6) Bromomethane	1.670	94	27602	9.278	ppbv	99
7) Chloroethane	1.706	64	19136	8.627	ppbv	95
8) Dichlorotetrafluoroethane	1.557	85	109293	9.685	ppbv	99
9) Propene	1.486	41	56522	8.436	ppbv	98
10) Heptane	4.988	43	162470	8.423	ppbv	99
11) Trichlorofluoromethane	1.881	101	142862	10.460	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	109181	9.930	ppbv	100
13) Ethanol	1.722	45	18366	7.411	ppbv	96
14) Bromoethene	1.784	108	40048	9.804	ppbv	99
15) Acetone	1.835	43	113033	8.539	ppbv	99
16) 1,3-Butadiene	1.612	39	56426	8.944	ppbv	97
17) tert-Butyl alcohol	2.039	59	174816	9.621	ppbv	99
18) 1,1-Dichloroethene	2.036	96	48563	10.131	ppbv	85
19) Isopropyl Alcohol	1.887	45	72396	8.781	ppbv	98
20) Methylene Chloride	2.065	84	42819	8.183	ppbv	97
21) Allyl Chloride	2.101	41	91089	9.338	ppbv	95
22) trans-1,2-Dichloroethene	2.344	96	55471	9.681	ppbv	96
23) Vinyl Acetate	2.463	43	178708	9.216	ppbv	98
24) 1,1-Dichloroethane	2.411	63	109016	9.847	ppbv	99
25) Ethyl Acetate	2.835	43	290447	8.848	ppbv	99
26) Hexane	2.832	57	132602	8.766	ppbv	99
27) Carbon Disulfide	2.156	76	135963	9.810	ppbv #	88
28) Methyl tert-Butyl Ether	2.441	73	63933	9.290	ppbv	97
29) Chloroform	2.852	83	207291	9.458	ppbv	99
30) Cyclohexane	3.861	84	117130	8.872	ppbv	95
31) cis-1,2-Dichloroethene	2.725	61	137958	9.551	ppbv	95
32) 1,1,1-Trichloroethane	3.373	97	221109	9.688	ppbv	98
34) 2-Butanone	2.557	43	189478	8.917	ppbv	98
35) Carbon Tetrachloride	3.768	117	220510	9.702	ppbv	95
36) Benzene	3.661	78	280028	9.405	ppbv	98
37) 1,2-Dichloroethane	3.224	62	163041	9.506	ppbv	98
38) Trichloroethene	4.554	130	106893	8.597	ppbv	98
39) 1,2-Dichloropropane	4.318	63	98585	9.057	ppbv	93
40) 1,4-Dioxane	4.580	88	44526	9.142	ppbv #	93
41) Tetrahydrofuran	3.056	42	102758	8.646	ppbv	97
42) Bromodichloromethane	4.493	83	231006	9.731	ppbv	97
43) Methyl Methacrylate	4.881	69	137710	9.107	ppbv	97
44) 2,2,4-Trimethylpentane	4.645	57	444749	8.854	ppbv	99
45) t-1,3-Dichloropropene	6.418	75	143812	9.477	ppbv	99

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

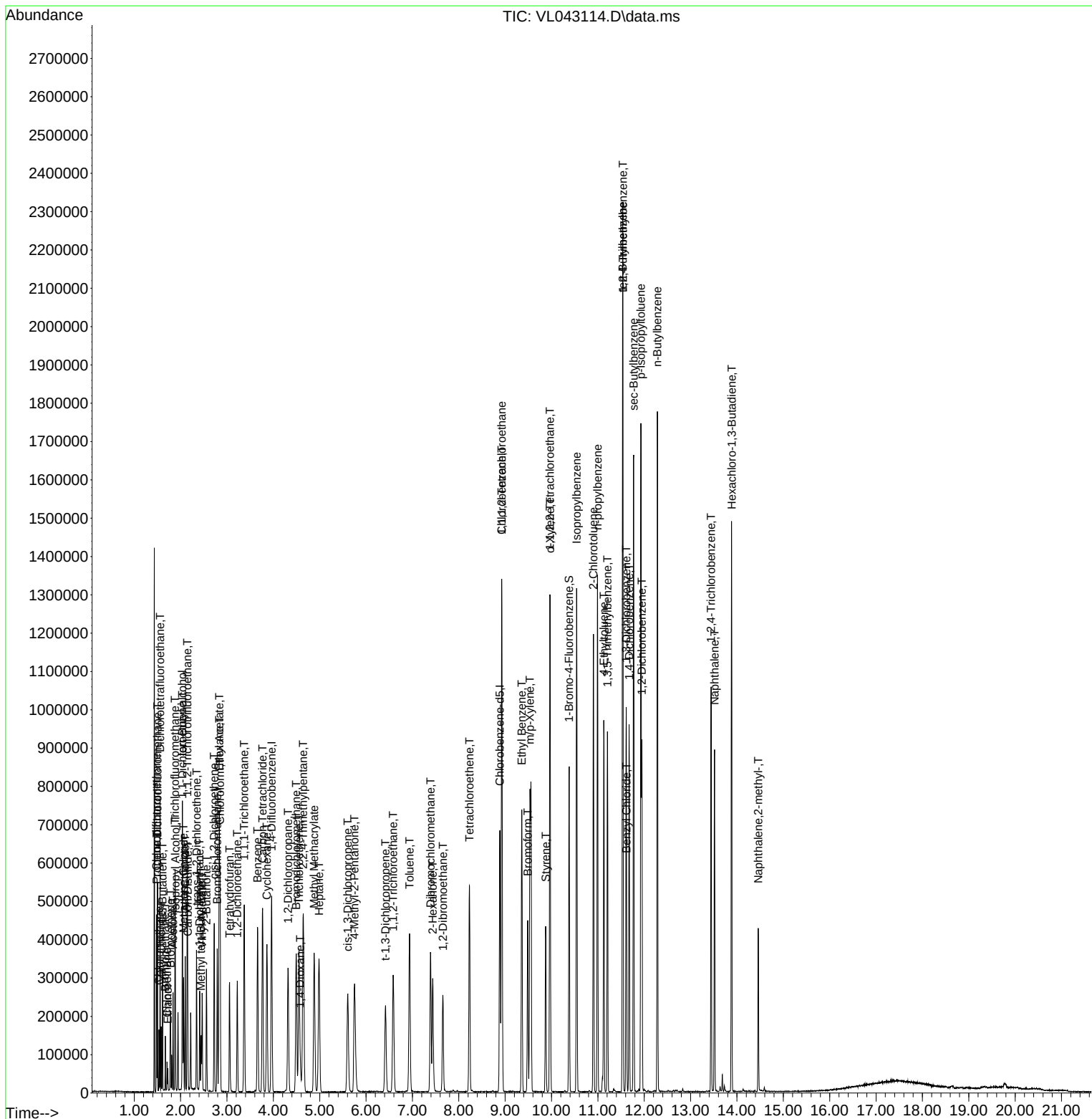
Instrument :
 MSVOA_L
 ClientSampleId :

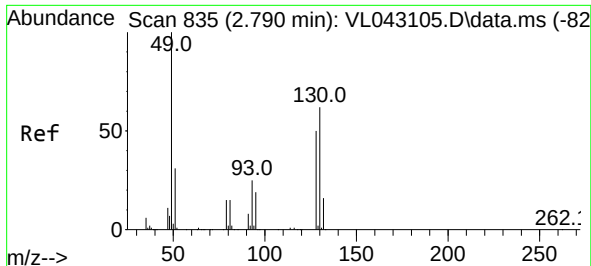
Quant Time: Oct 16 01:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	168699	9.306	ppbv	95
47) 1,1,2-Trichloroethane	6.583	97	107487	9.145	ppbv	98
48) Dibromochloromethane	7.389	129	186784	9.504	ppbv	100
49) Bromoform	9.487	173	152127	9.523	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	256116	8.734	ppbv	99
51) 2-Hexanone	7.438	43	199219	9.057	ppbv	99
52) Tetrachloroethene	8.231	164	94700	8.820	ppbv	96
53) Toluene	6.940	91	318262	9.007	ppbv	100
54) 1,2-Dibromoethane	7.658	107	169023	9.181	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.927	131	165210	9.073	ppbv	99
57) Chlorobenzene	8.927	112	236465	8.750	ppbv	99
58) Ethyl Benzene	9.357	91	448315	9.043	ppbv	98
59) m/p-Xylene	9.535	91	415529	10.508	ppbv #	29
60) o-Xylene	9.969	91	344891	8.831	ppbv	99
61) Styrene	9.875	104	158625	8.997	ppbv	99
62) Isopropylbenzene	10.542	105	619844	8.784	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	219643	8.399	ppbv	99
64) n-propylbenzene	10.992	120	161656	8.652	ppbv	95
65) tert-Butylbenzene	11.536	119	525334	8.430	ppbv	96
66) Benzyl Chloride	11.620	91	59531	8.583	ppbv	100
67) sec-Butylbenzene	11.772	105	760584	8.600	ppbv	98
69) p-Isopropyltoluene	11.927	119	639817	8.513	ppbv	99
70) n-Butylbenzene	12.283	91	653616	8.825	ppbv	99
71) 2-Chlorotoluene	10.904	91	483141	8.976	ppbv	99
72) 4-Ethyltoluene	11.128	105	427201	8.896	ppbv	98
73) 1,3,5-Trimethylbenzene	11.205	105	354264	8.945	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	378357	8.537	ppbv	95
75) 1,3-Dichlorobenzene	11.610	146	220714	8.587	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	226777	8.750	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	210381	8.460	ppbv	98
78) Hexachloro-1,3-Butadiene	13.885	225	149878	7.784	ppbv	98
79) Naphthalene	13.516	128	427928	9.238	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	123398	10.225	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	168975	8.789	ppbv	99

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

Quant Time: Oct 16 01:13:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

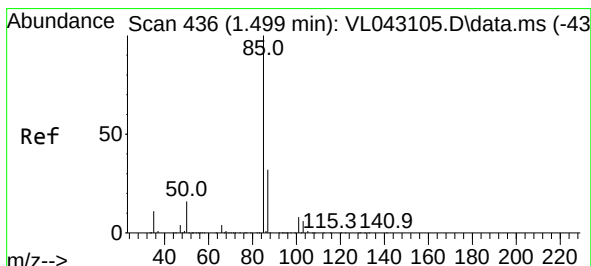
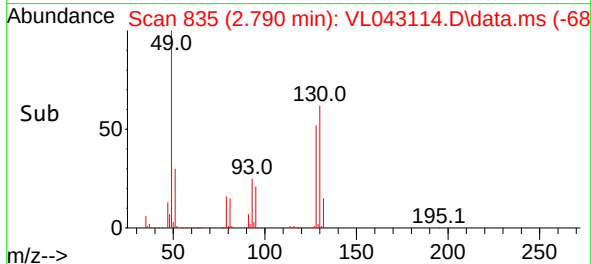
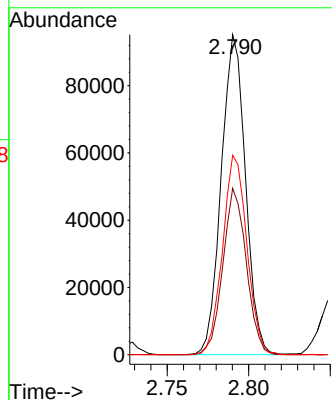
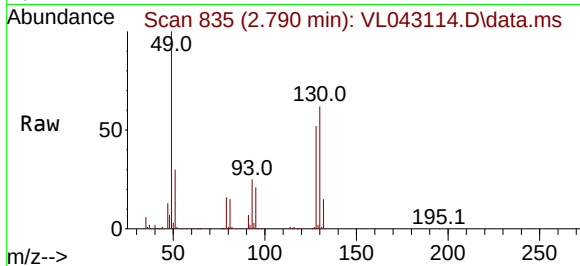




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

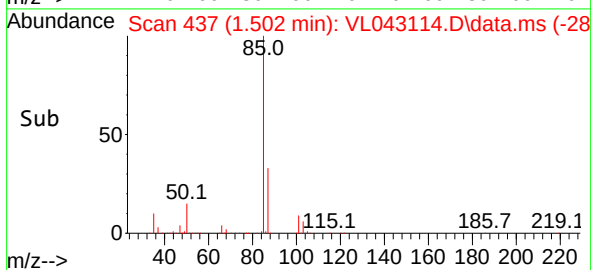
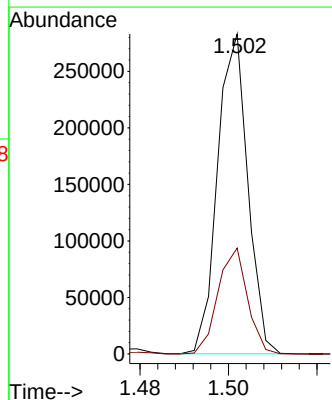
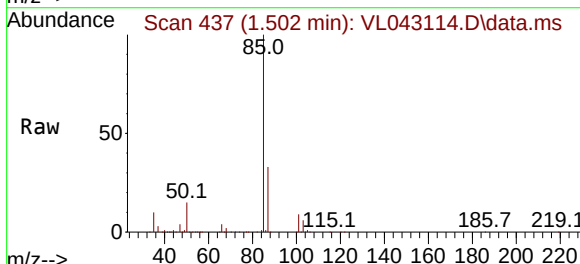
Instrument :
 MSVOA_L
 ClientSampleId :

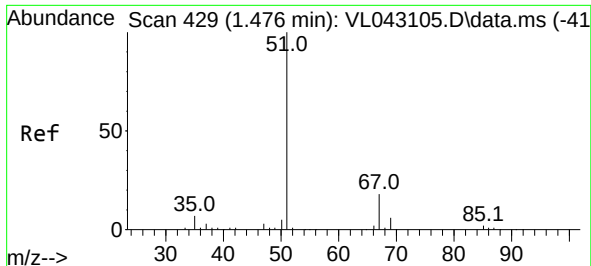
Tgt Ion: 49 Resp: 98213
 Ion Ratio Lower Upper
 49 100
 128 50.4 24.4 73.4
 130 62.6 31.0 93.0



#2
 Dichlorodifluoromethane
 Concen: 9.627 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.003 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Tgt Ion: 85 Resp: 134418
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.3 37.9

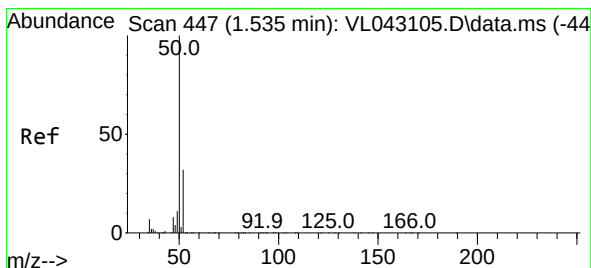
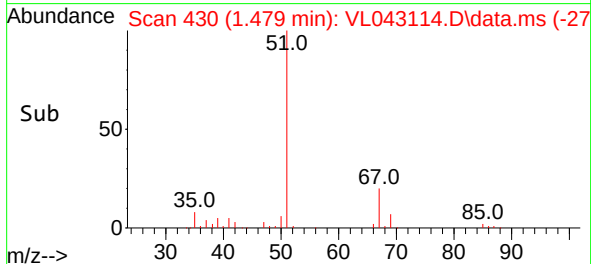
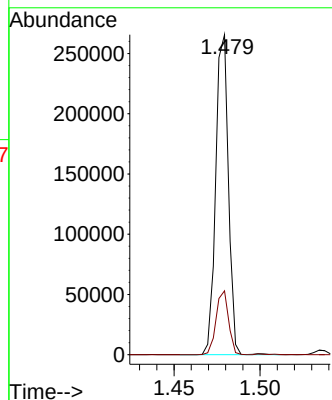
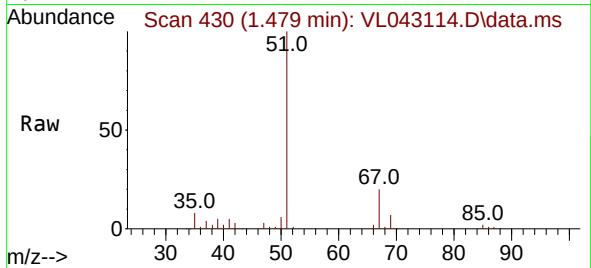




#3
Chlorodifluoromethane
Concen: 8.996 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

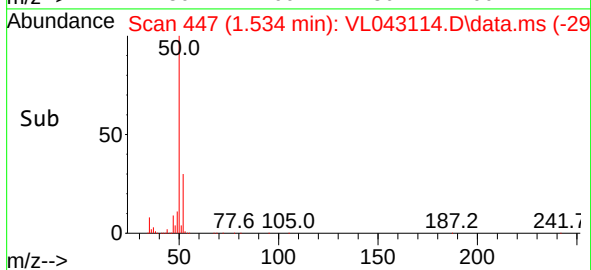
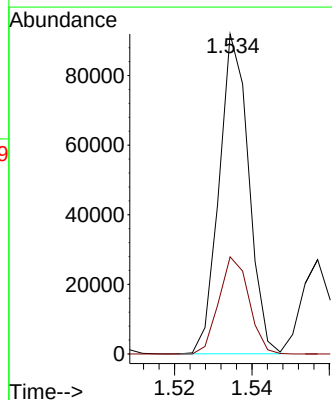
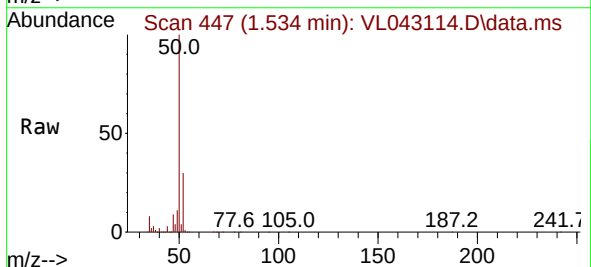
Instrument :
MSVOA_L
ClientSampleId :

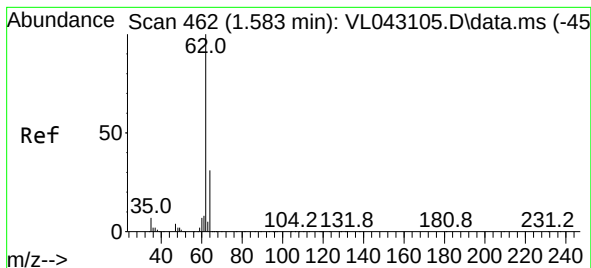
Tgt Ion: 51 Resp: 135903
Ion Ratio Lower Upper
51 100
67 19.9 15.1 22.7



#4
Chloromethane
Concen: 8.801 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 50 Resp: 48684
Ion Ratio Lower Upper
50 100
52 30.4 25.2 37.8





#5

Vinyl Chloride

Concen: 8.871 ppbv

RT: 1.583 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

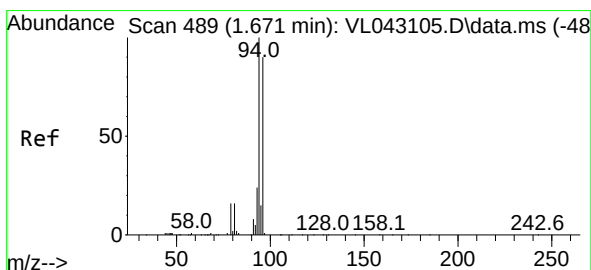
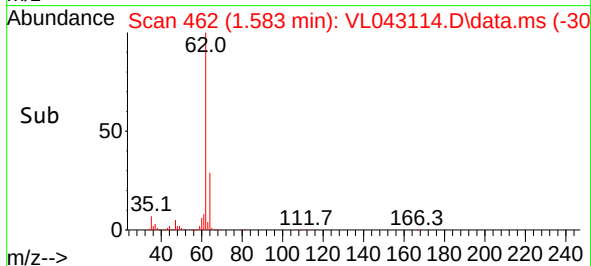
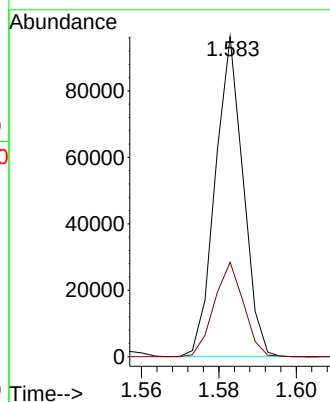
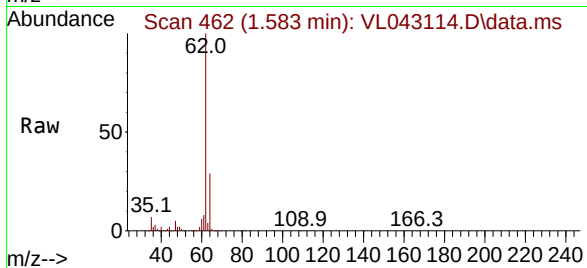
ClientSampleId :

Tgt Ion: 62 Resp: 48129

Ion Ratio Lower Upper

62 100

64 29.5 24.6 36.8



#6

Bromomethane

Concen: 9.278 ppbv

RT: 1.670 min Scan# 489

Delta R.T. -0.000 min

Lab File: VL043114.D

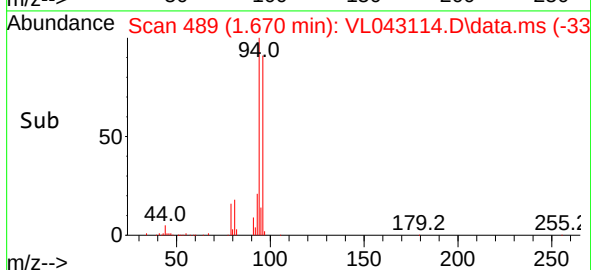
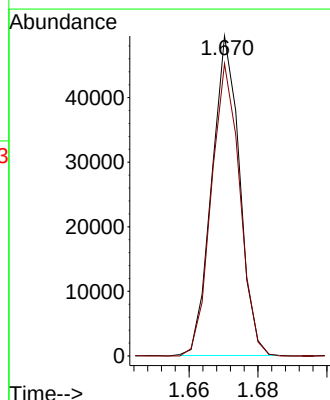
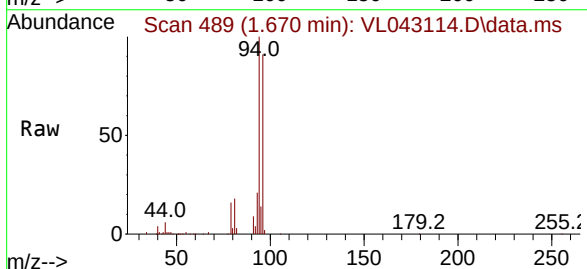
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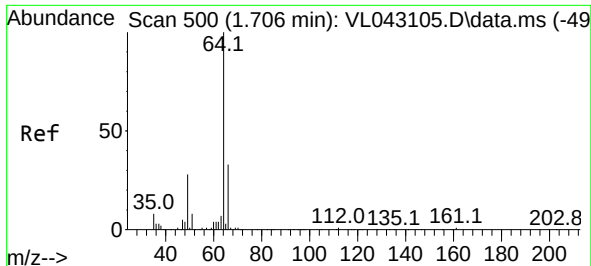
Tgt Ion: 94 Resp: 27602

Ion Ratio Lower Upper

94 100

96 91.5 72.2 108.4

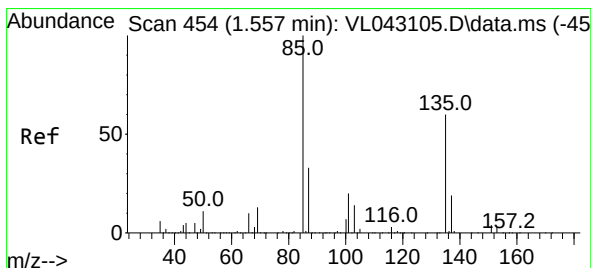
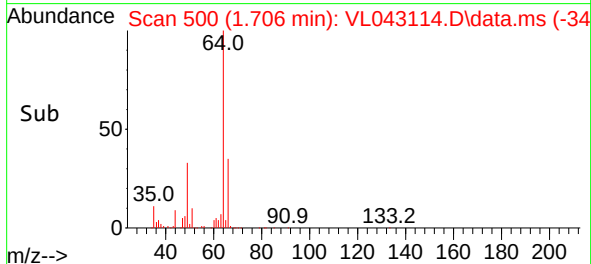
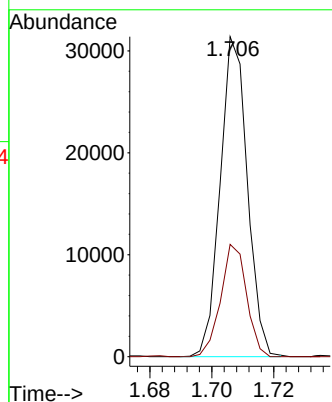
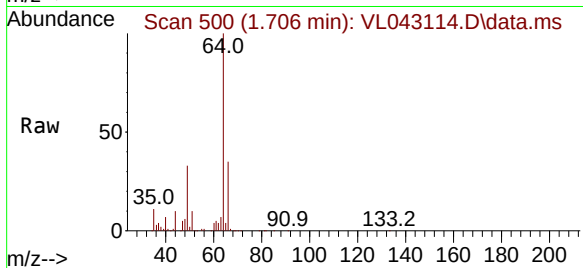




#7
Chloroethane
Concen: 8.627 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

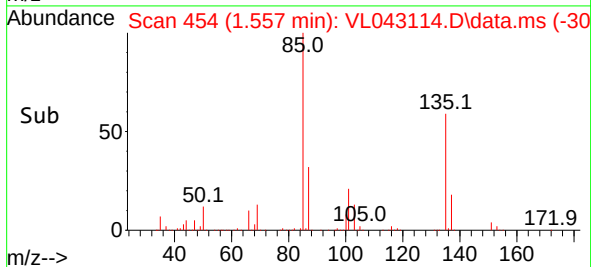
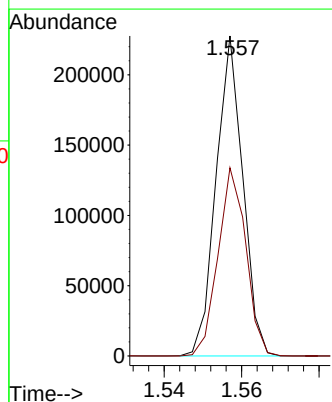
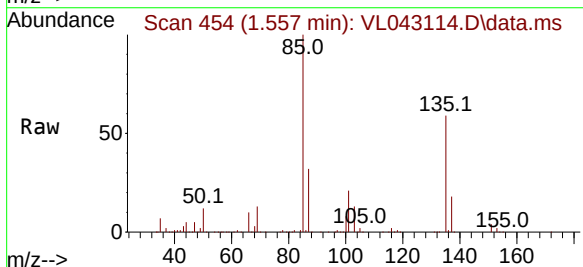
Instrument :
MSVOA_L
ClientSampleId :

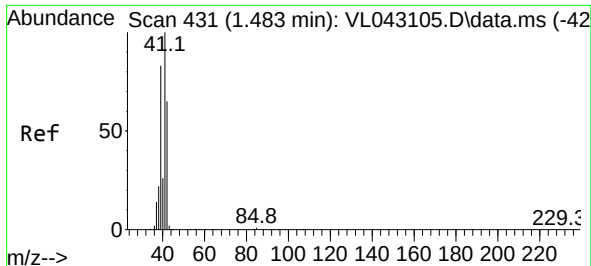
Tgt Ion: 64 Resp: 19136
Ion Ratio Lower Upper
64 100
66 35.1 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 9.685 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 85 Resp: 109293
Ion Ratio Lower Upper
85 100
135 61.2 48.2 72.4





#9

Propene

Concen: 8.436 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

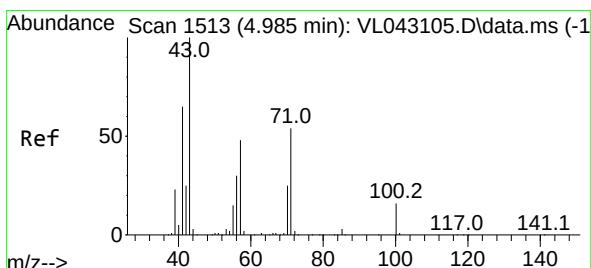
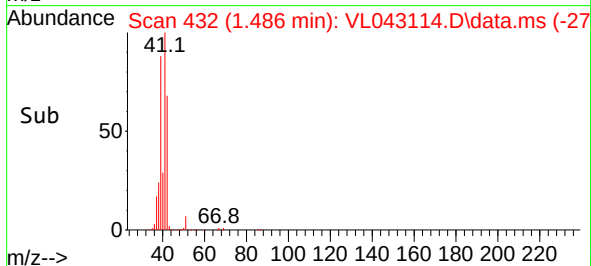
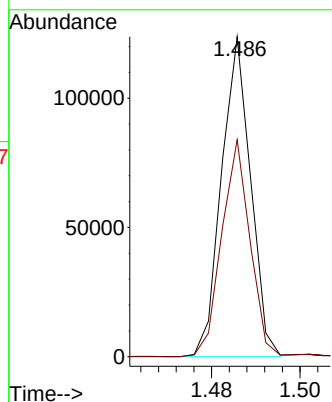
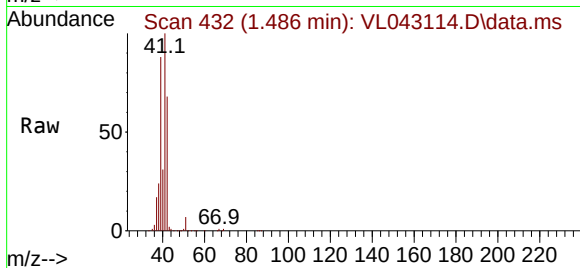
ClientSampleId :

Tgt Ion: 41 Resp: 56522

Ion Ratio Lower Upper

41 100

42 66.9 55.1 82.7



#10

Heptane

Concen: 8.423 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.003 min

Lab File: VL043114.D

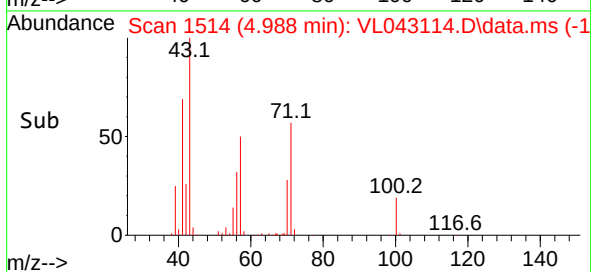
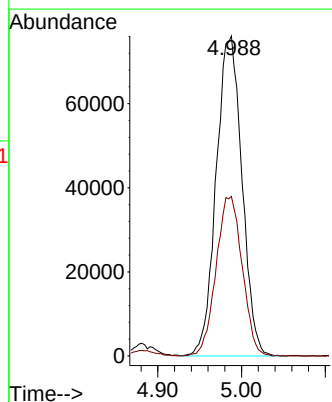
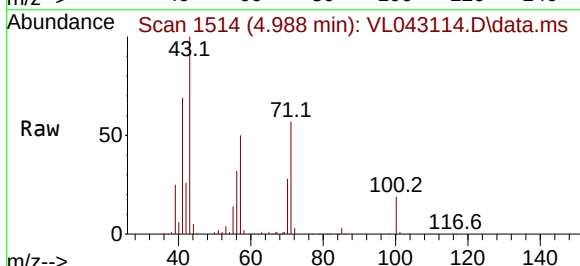
Acq: 15 Oct 2025 08:43

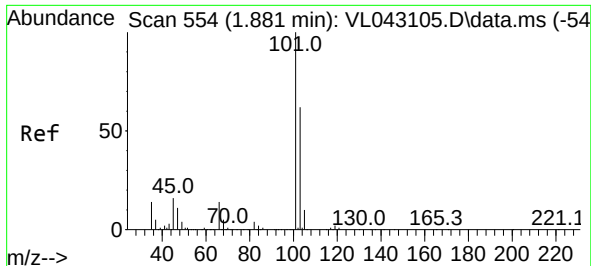
Tgt Ion: 43 Resp: 162470

Ion Ratio Lower Upper

43 100

57 50.5 40.8 61.2

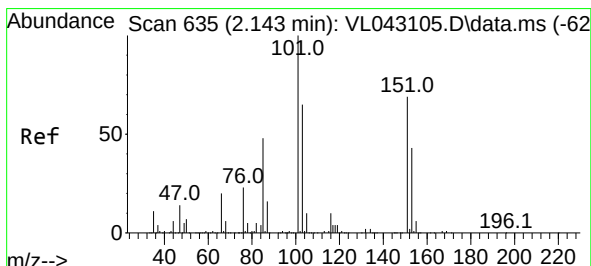
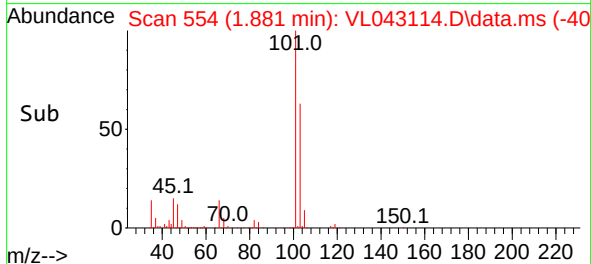
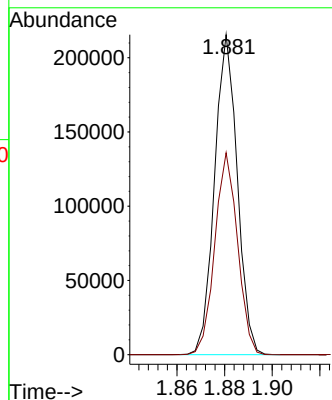
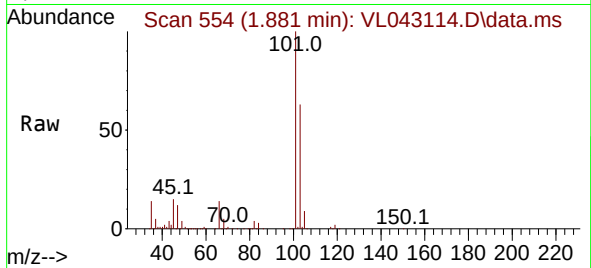




#11
 Trichlorofluoromethane
 Concen: 10.460 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

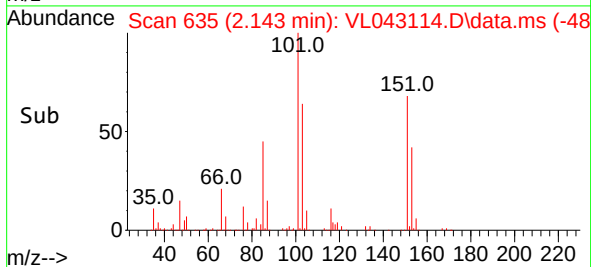
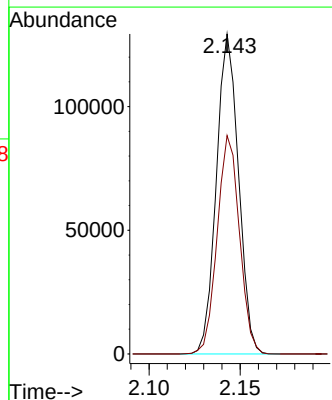
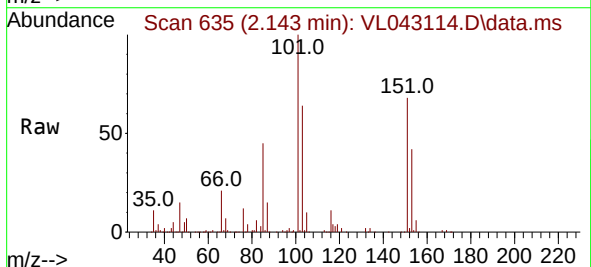
Instrument :
 MSVOA_L
 ClientSampleId :

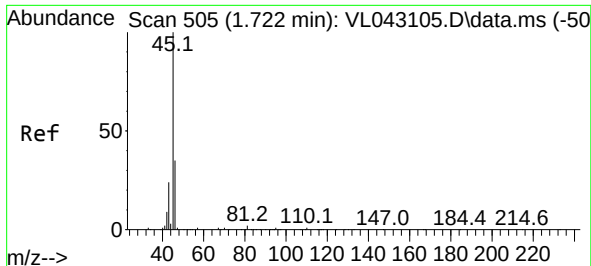
Tgt Ion:101 Resp: 142862
 Ion Ratio Lower Upper
 101 100
 103 63.1 49.3 73.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.930 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Tgt Ion:101 Resp: 109181
 Ion Ratio Lower Upper
 101 100
 151 68.7 54.7 82.1

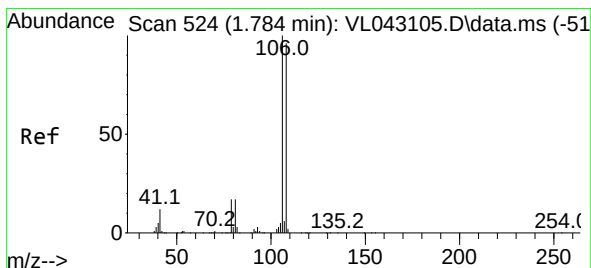
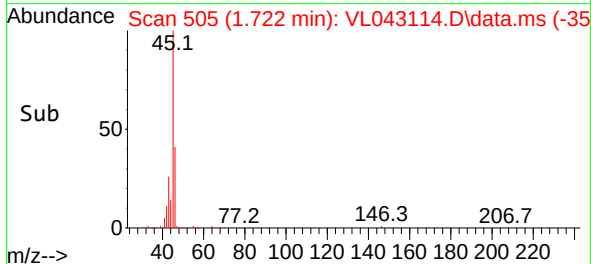
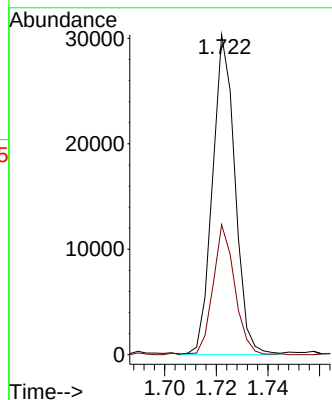
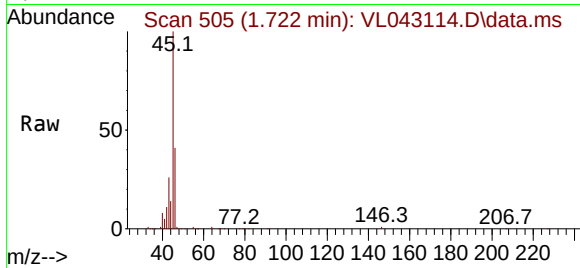




#13
Ethanol
Concen: 7.411 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

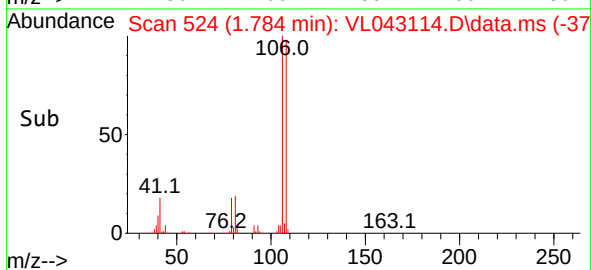
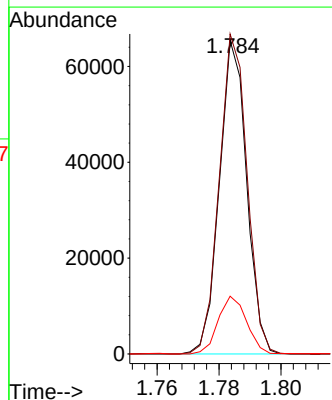
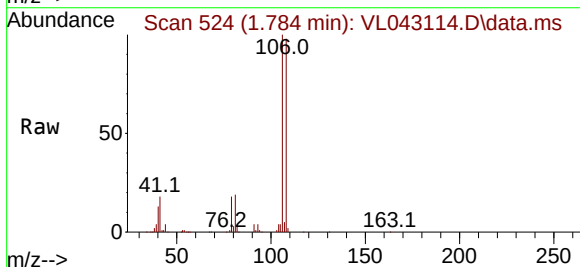
Instrument :
MSVOA_L
ClientSampleId :

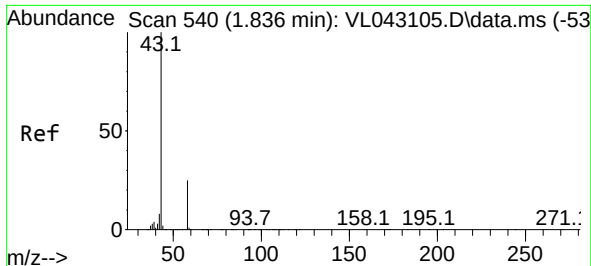
Tgt Ion: 45 Resp: 18366
Ion Ratio Lower Upper
45 100
46 39.3 14.7 58.9



#14
Bromoethene
Concen: 9.804 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 108 Resp: 40048
Ion Ratio Lower Upper
108 100
106 104.0 84.4 126.6
79 19.4 15.3 22.9

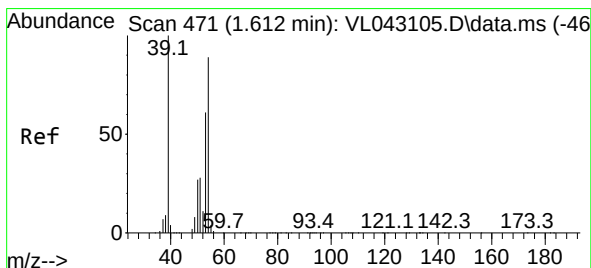
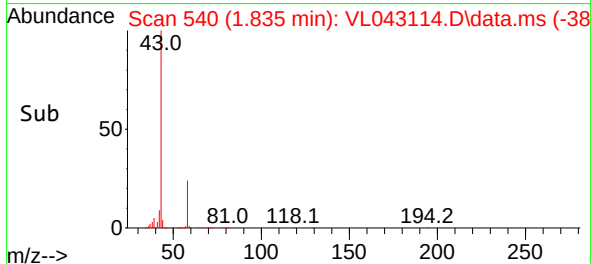
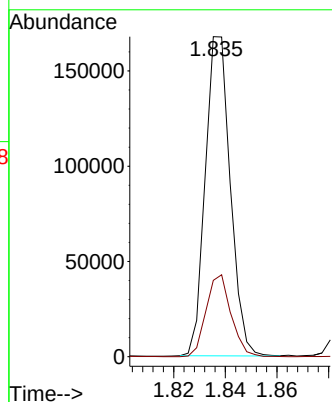
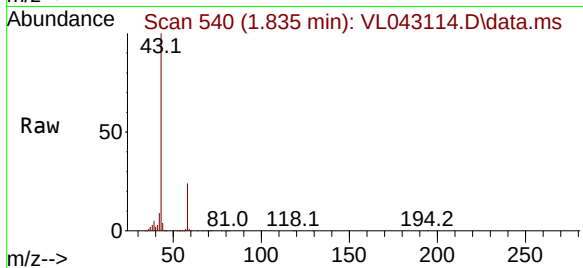




#15
Acetone
Concen: 8.539 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

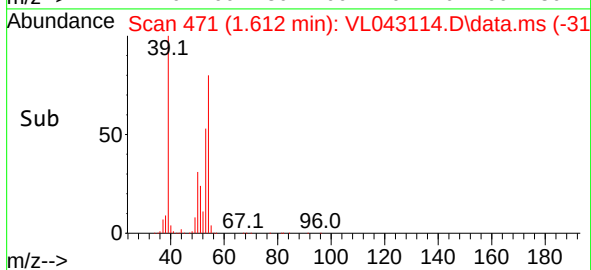
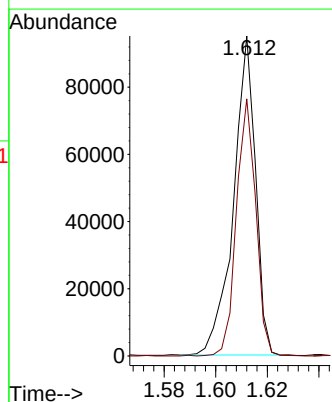
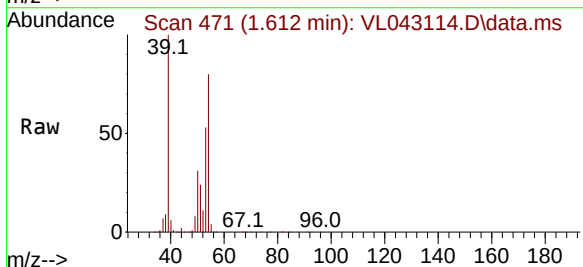
Instrument :
MSVOA_L
ClientSampleId :

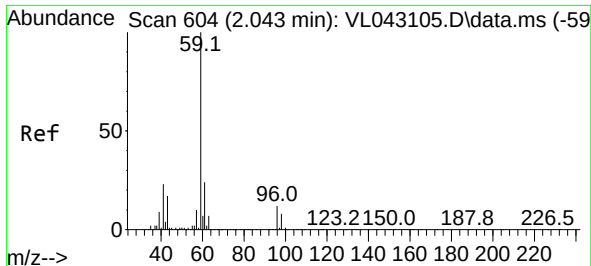
Tgt Ion: 43 Resp: 113033
Ion Ratio Lower Upper
43 100
58 25.6 20.8 31.2



#16
1,3-Butadiene
Concen: 8.944 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 39 Resp: 56426
Ion Ratio Lower Upper
39 100
54 70.9 59.0 88.4





#17

tert-Butyl alcohol

Concen: 9.621 ppbv

RT: 2.039 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

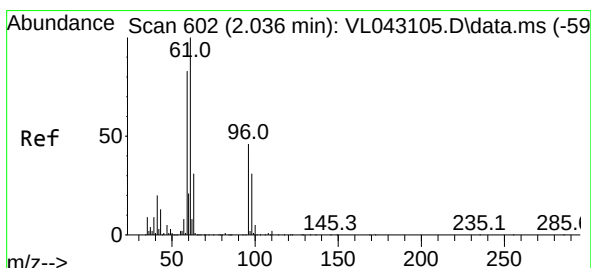
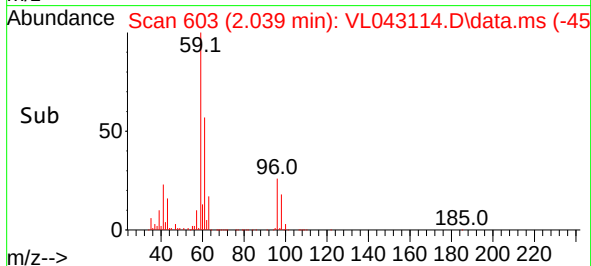
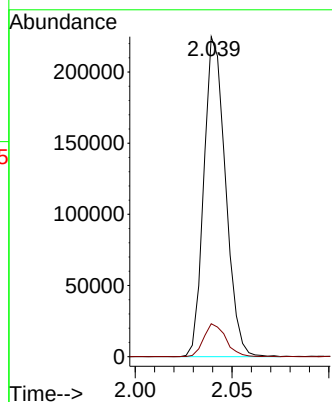
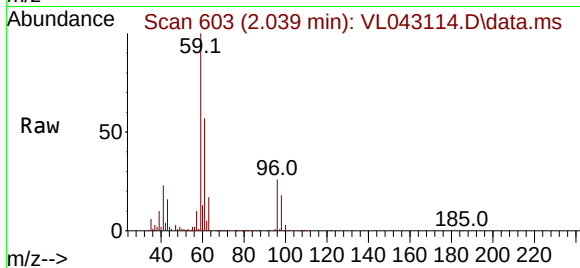
ClientSampleId :

Tgt Ion: 59 Resp: 174816

Ion Ratio Lower Upper

59 100

57 10.6 8.2 12.4



#18

1,1-Dichloroethene

Concen: 10.131 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

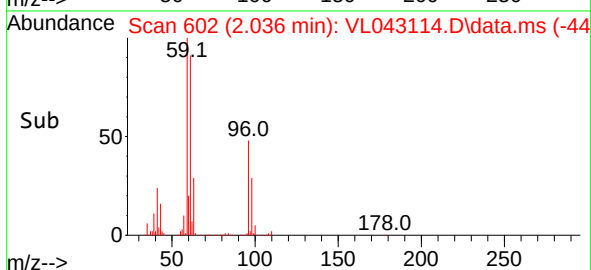
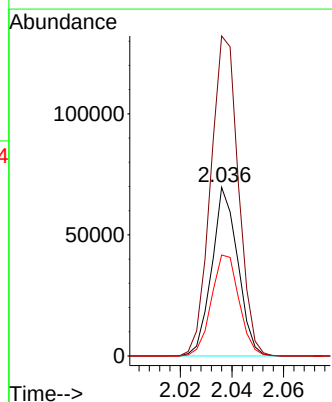
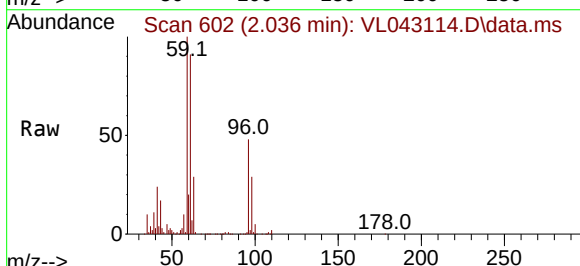
Tgt Ion: 96 Resp: 48563

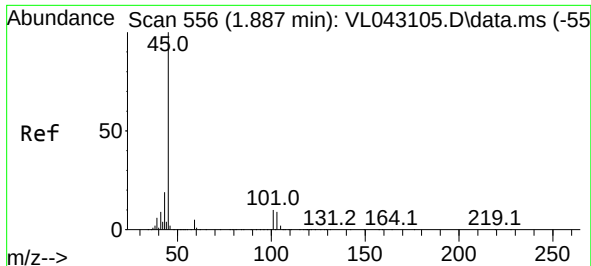
Ion Ratio Lower Upper

96 100

61 189.6 173.4 260.0

98 59.9 53.2 79.8

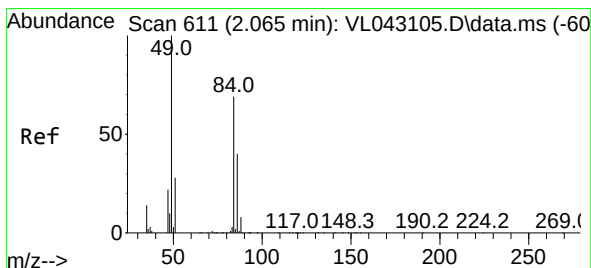
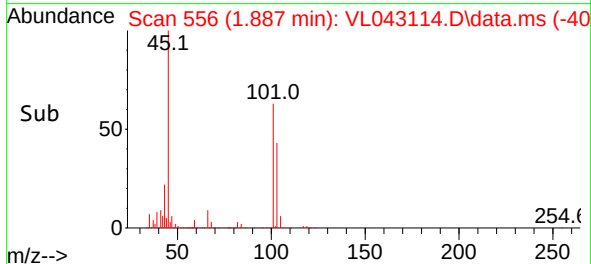
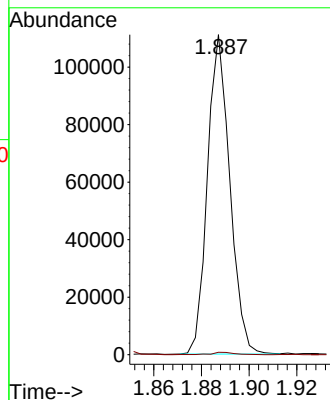
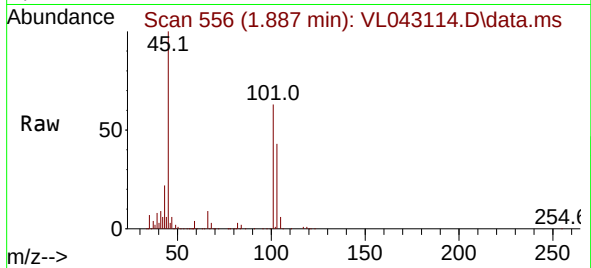




#19
Isopropyl Alcohol
Concen: 8.781 ppbv
RT: 1.887 min Scan# 556
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

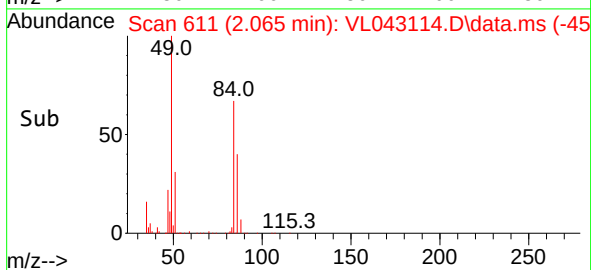
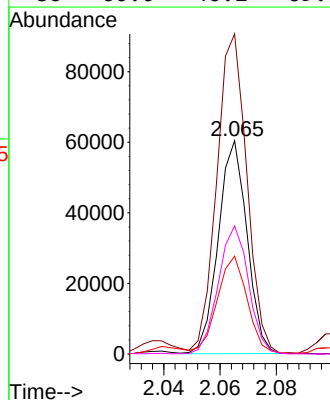
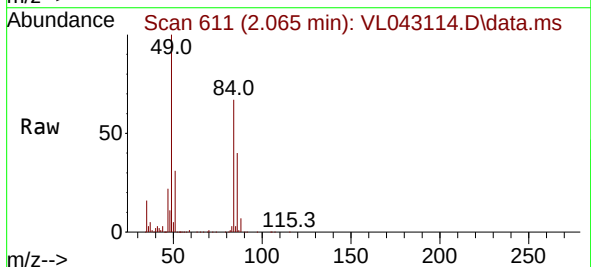
Instrument :
MSVOA_L
ClientSampleId :

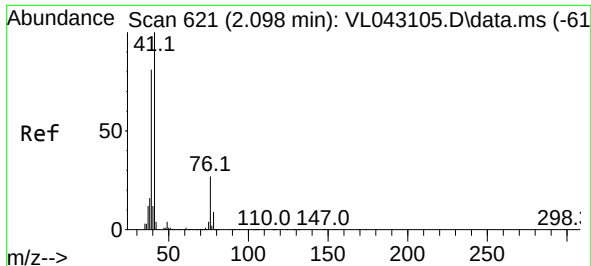
Tgt Ion: 45 Resp: 72396
Ion Ratio Lower Upper
45 100
58 40.0 31.3 46.9



#20
Methylene Chloride
Concen: 8.183 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 84 Resp: 42819
Ion Ratio Lower Upper
84 100
49 150.2 116.6 175.0
51 45.4 34.8 52.2
86 60.0 46.2 69.4

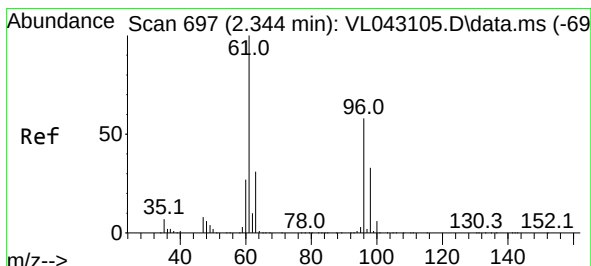
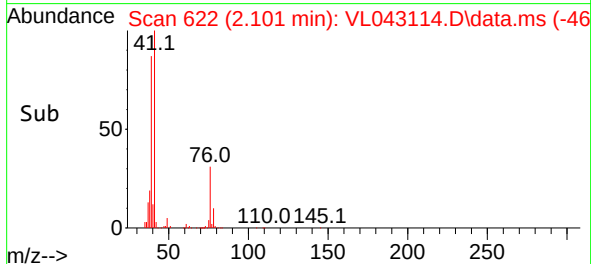
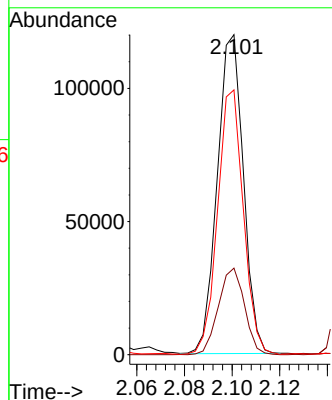
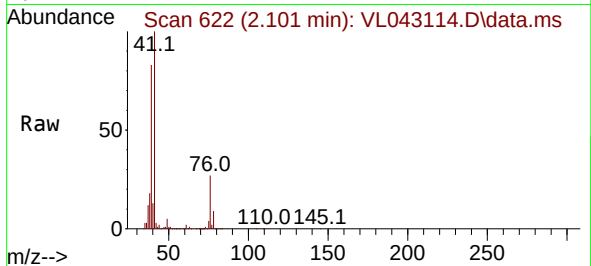




#21
 Allyl Chloride
 Concen: 9.338 ppbv
 RT: 2.101 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

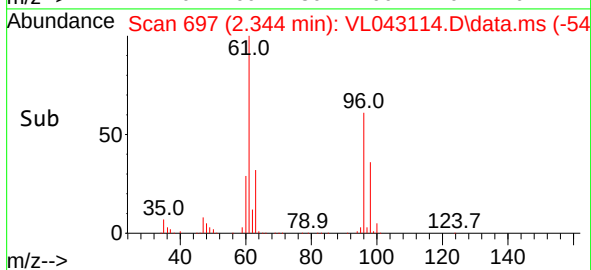
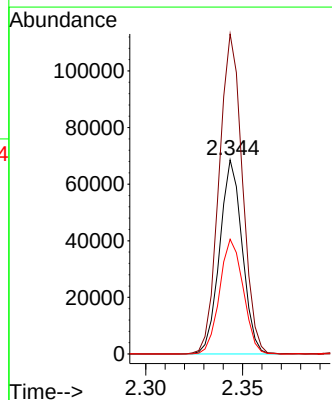
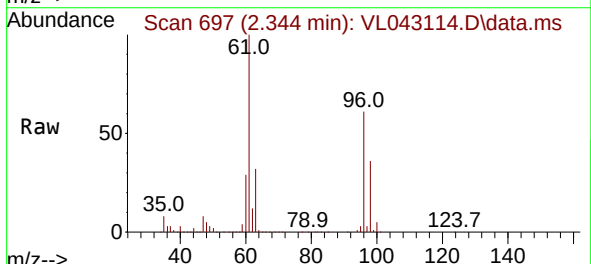
Instrument :
 MSVOA_L
 ClientSampleId :

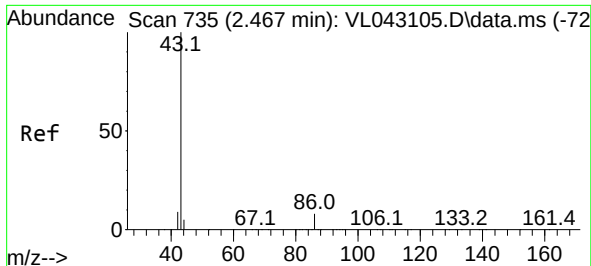
Tgt Ion: 41 Resp: 91089
 Ion Ratio Lower Upper
 41 100
 76 27.1 21.5 32.3
 39 81.7 60.8 91.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.681 ppbv
 RT: 2.344 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

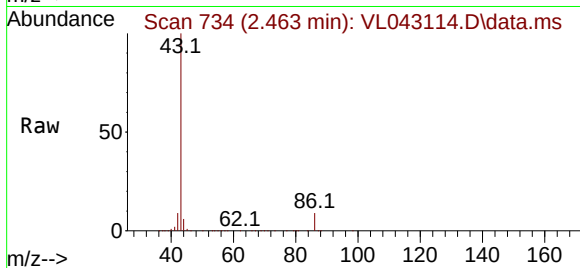
Tgt Ion: 96 Resp: 55471
 Ion Ratio Lower Upper
 96 100
 61 164.9 137.0 205.6
 98 59.1 45.5 68.3



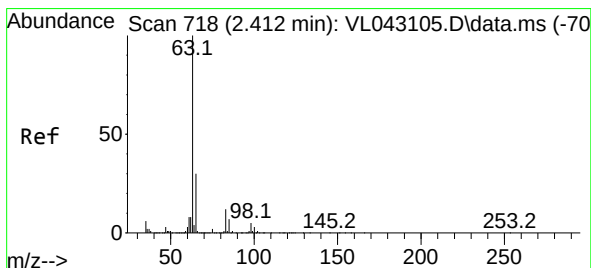
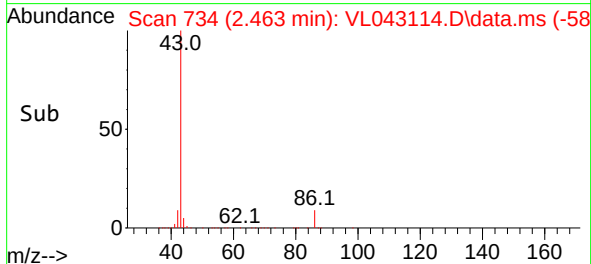
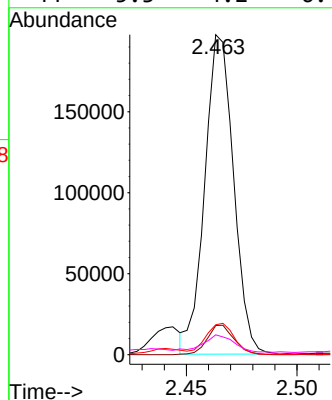


#23
 Vinyl Acetate
 Concen: 9.216 ppbv
 RT: 2.463 min Scan# 718
 Delta R.T. -0.004 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Instrument :
 MSVOA_1
 ClientSampleId :

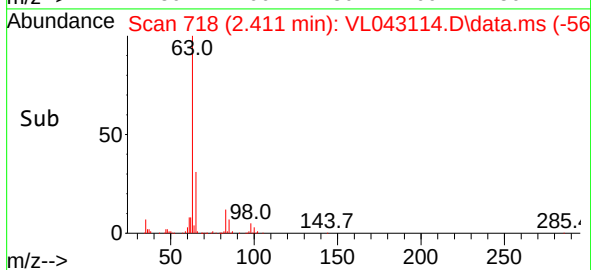
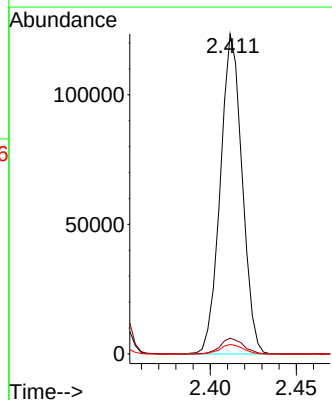
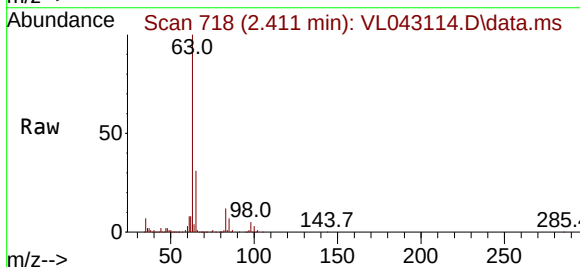


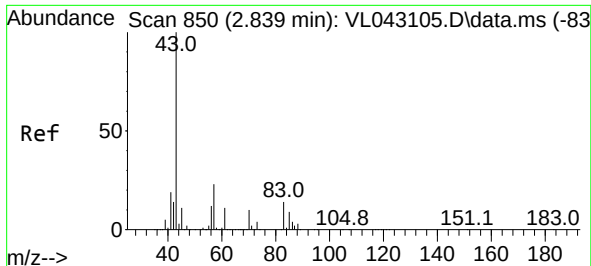
Tgt Ion:	43	Resp:	178708
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.2	9.2
42	9.3	7.6	11.4
44	5.3	4.2	6.4



#24
 1,1-Dichloroethane
 Concen: 9.847 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Tgt Ion:	63	Resp:	109016
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.6	7.8
100	2.9	1.5	4.4



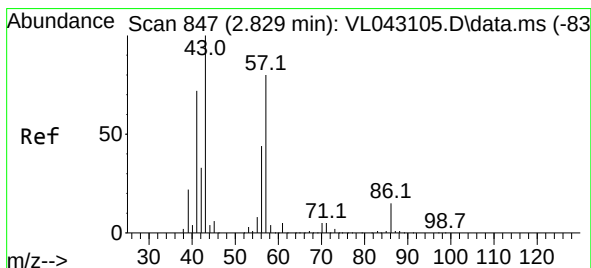
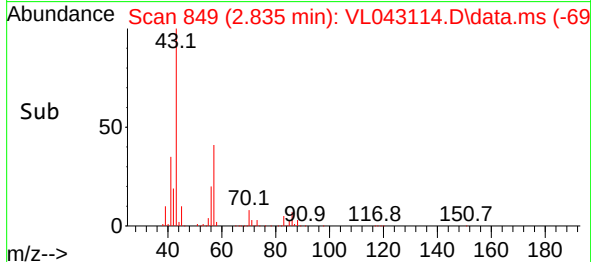
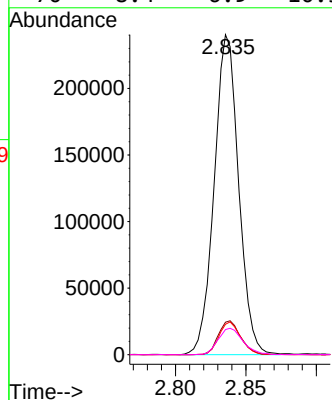
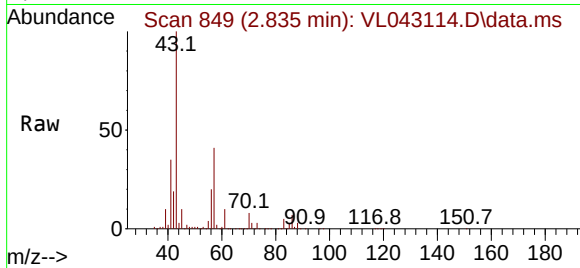


#25
Ethyl Acetate
Concen: 8.848 ppbv
RT: 2.835 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 290447

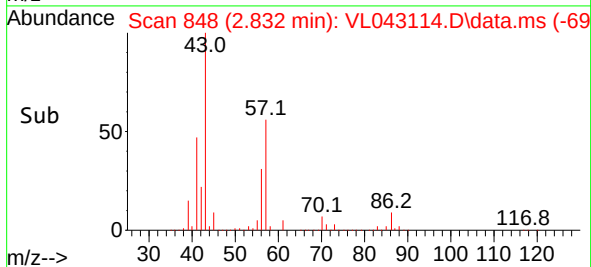
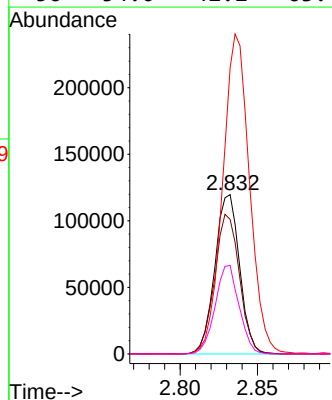
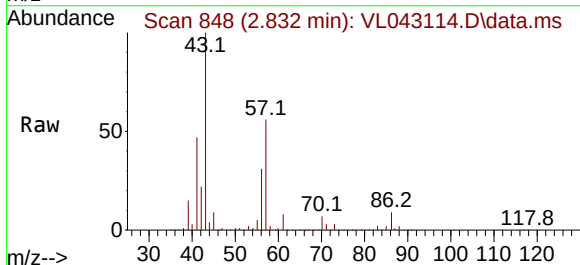
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.8
61	9.2	7.0	10.6
70	8.4	6.9	10.3

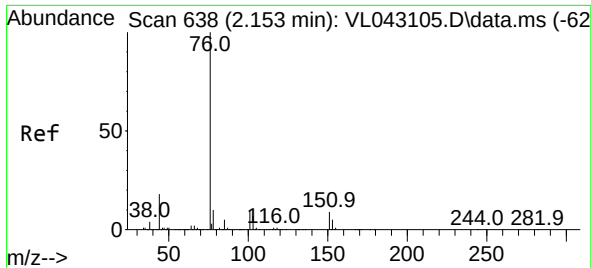


#26
Hexane
Concen: 8.766 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 57 Resp: 132602

Ion	Ratio	Lower	Upper
57	100		
41	88.8	71.4	107.0
43	220.5	178.5	267.7
56	54.0	42.2	63.4

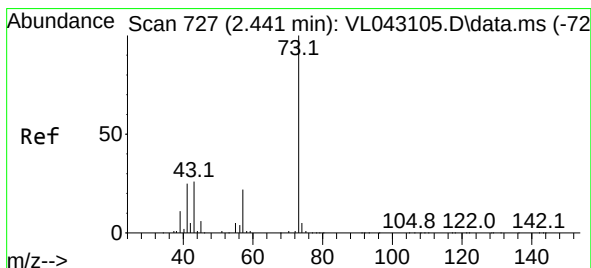
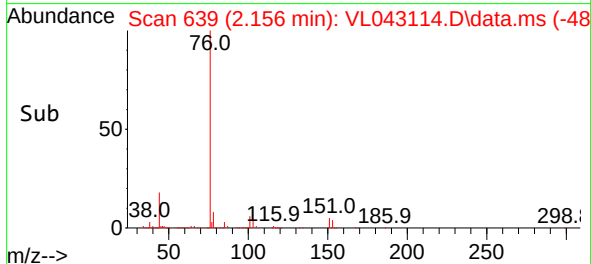
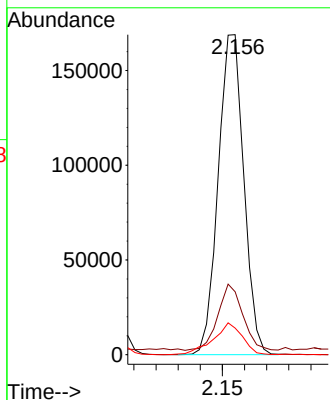
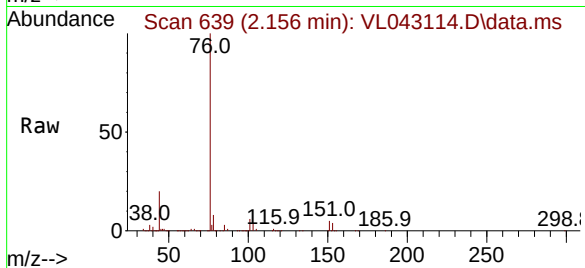




#27
Carbon Disulfide
Concen: 9.810 ppbv
RT: 2.156 min Scan# 611
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

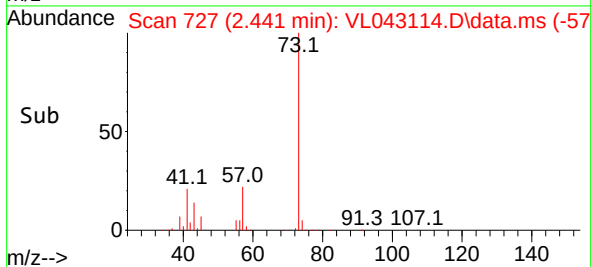
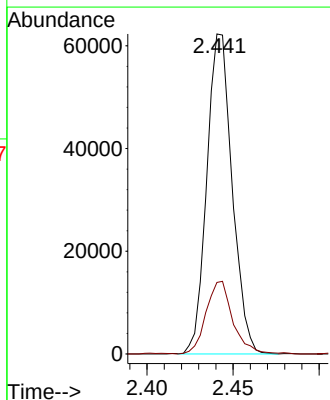
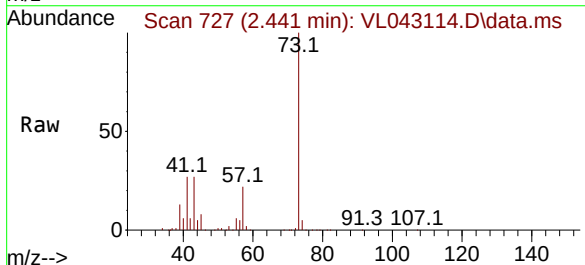
Instrument :
MSVOA_L
ClientSampleId :

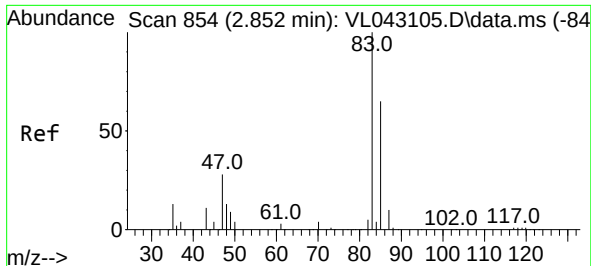
Tgt Ion: 76 Resp: 135963
Ion Ratio Lower Upper
76 100
44 29.5 16.7 25.1#
78 11.4 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 9.290 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 73 Resp: 63933
Ion Ratio Lower Upper
73 100
57 24.3 20.5 30.7





#29

Chloroform

Concen: 9.458 ppbv

RT: 2.852 min Scan# 854

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

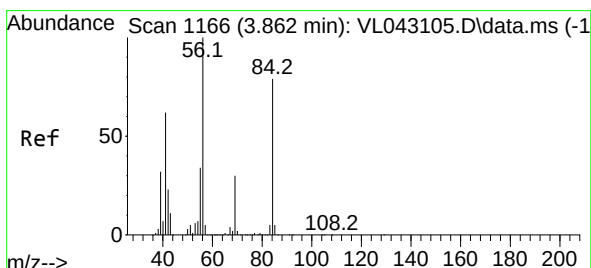
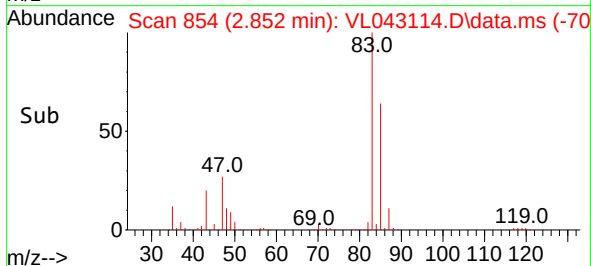
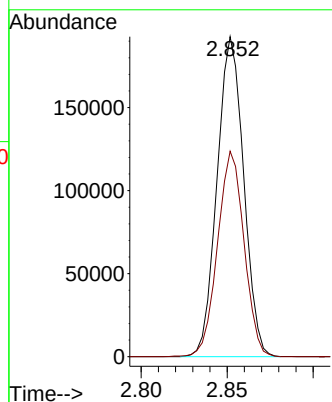
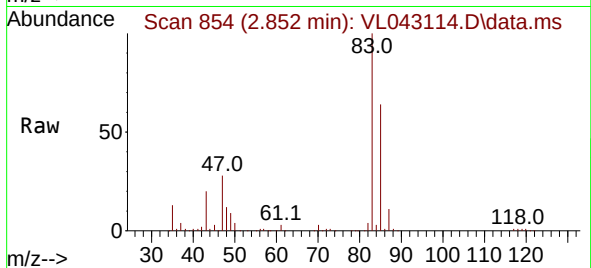
ClientSampleId :

Tgt Ion: 83 Resp: 207291

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.6



#30

Cyclohexane

Concen: 8.872 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

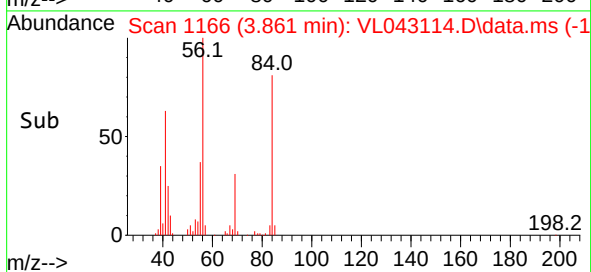
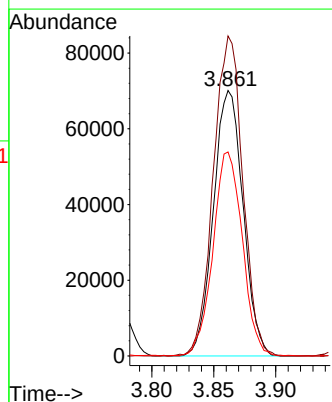
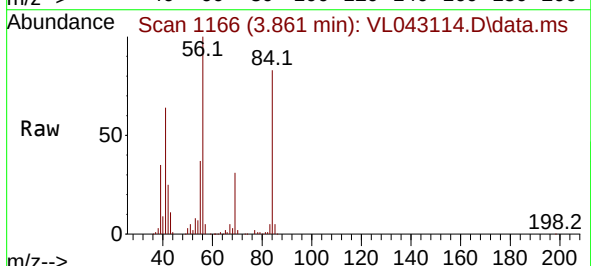
Tgt Ion: 84 Resp: 117130

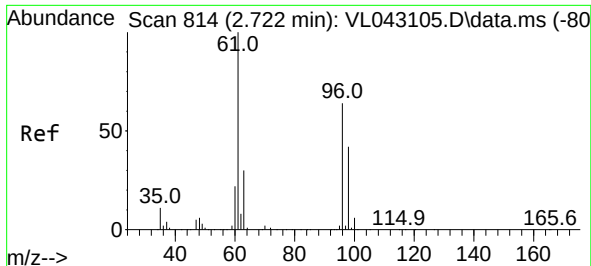
Ion Ratio Lower Upper

84 100

56 119.7 100.9 151.3

41 76.0 63.8 95.6

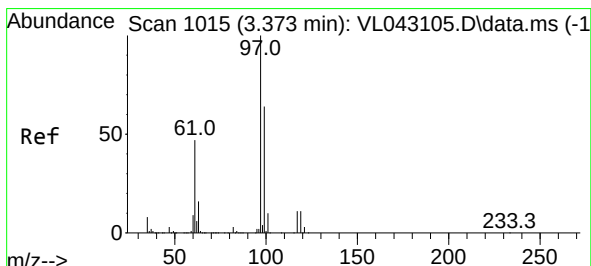
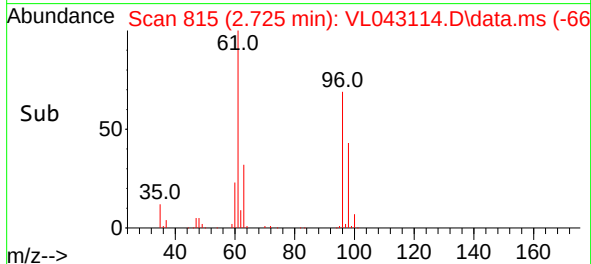
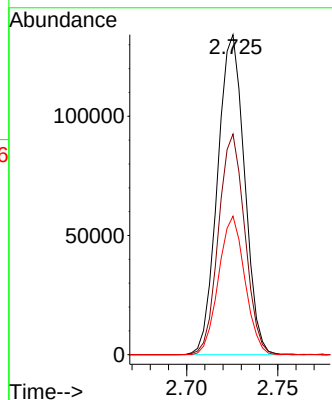
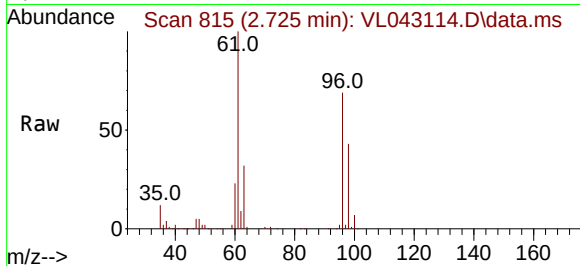




#31
 cis-1,2-Dichloroethene
 Concen: 9.551 ppbv
 RT: 2.725 min Scan# 814
 Delta R.T. 0.003 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

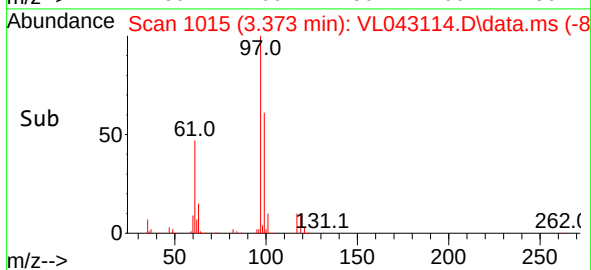
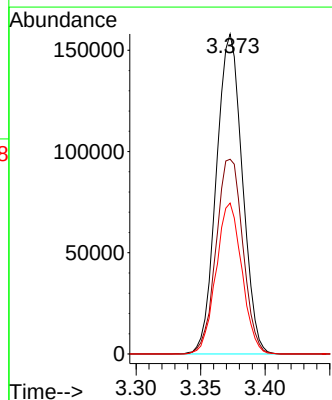
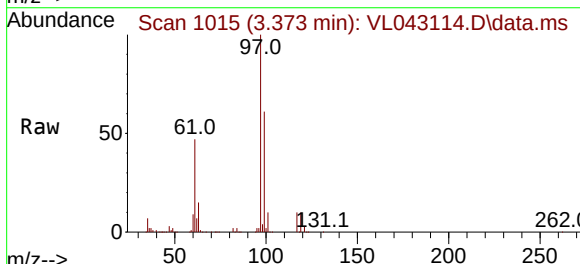
Instrument :
 MSVOA_L
 ClientSampleId :

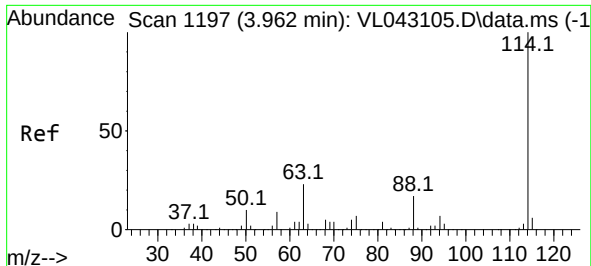
Tgt Ion: 61 Resp: 137958
 Ion Ratio Lower Upper
 61 100
 96 68.9 51.0 76.6
 98 43.3 33.5 50.3



#32
 1,1,1-Trichloroethane
 Concen: 9.688 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

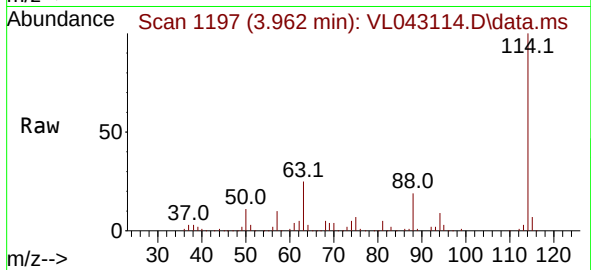
Tgt Ion: 97 Resp: 221109
 Ion Ratio Lower Upper
 97 100
 99 62.9 51.3 76.9
 61 46.9 38.4 57.6



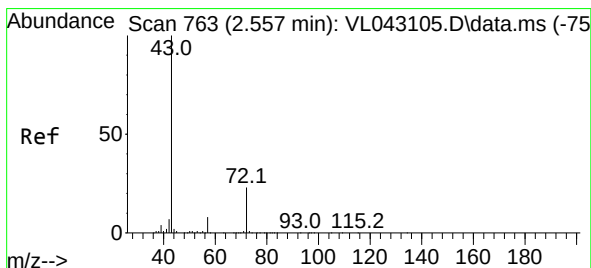
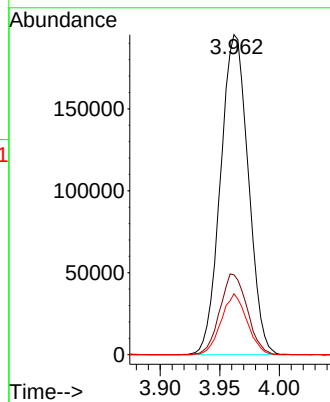
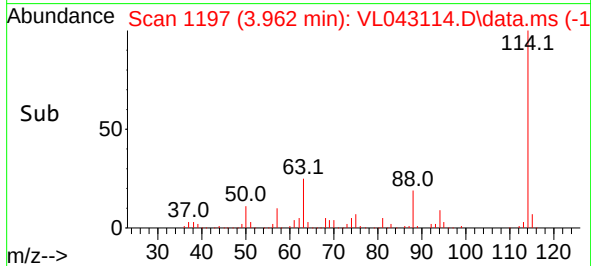


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Instrument :
MSVOA_L
ClientSampleId :

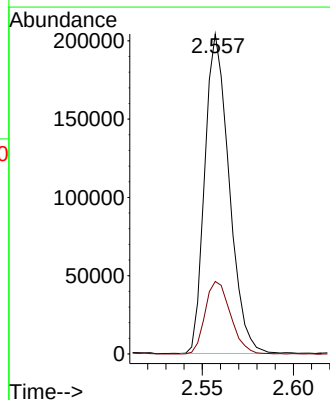
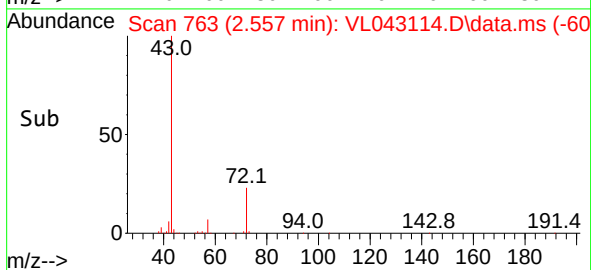
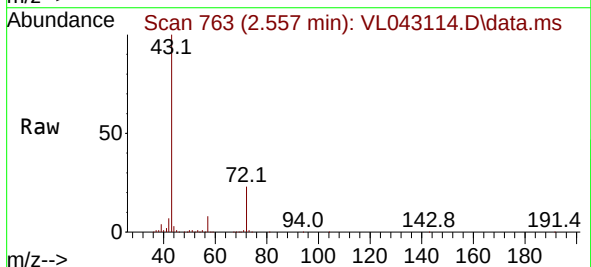


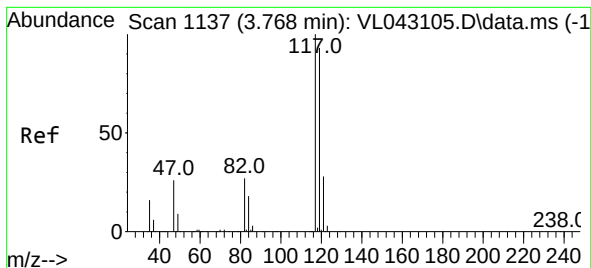
Tgt Ion:114 Resp: 316115
Ion Ratio Lower Upper
114 100
63 24.8 19.3 28.9
88 17.7 13.9 20.9



#34
2-Butanone
Concen: 8.917 ppbv
RT: 2.557 min Scan# 763
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 43 Resp: 189478
Ion Ratio Lower Upper
43 100
72 23.7 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.702 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

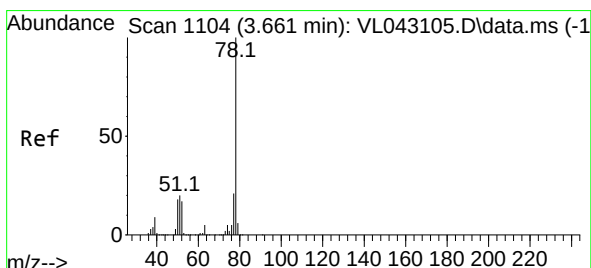
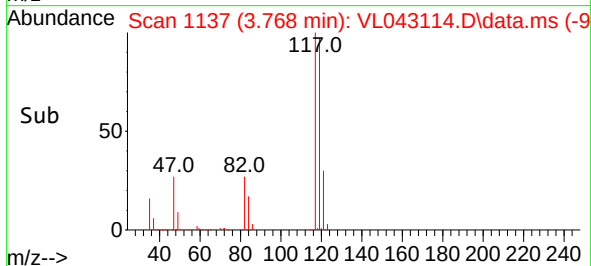
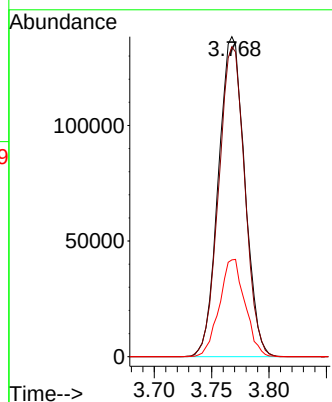
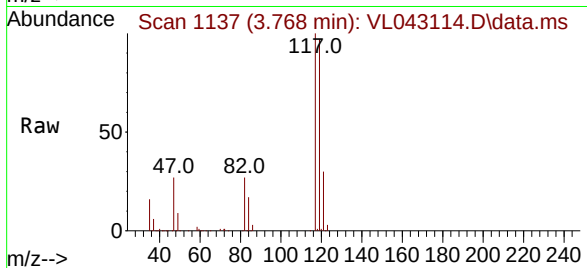
Tgt Ion:117 Resp: 220510

Ion Ratio Lower Upper

117 100

119 96.9 74.1 111.1

121 30.2 22.2 33.2



#36

Benzene

Concen: 9.405 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

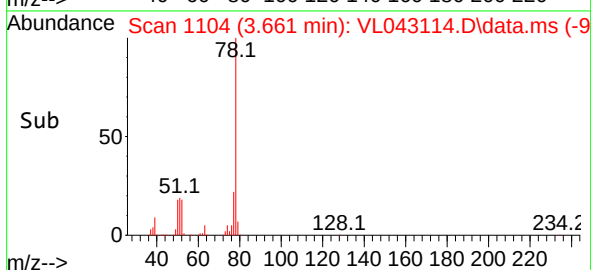
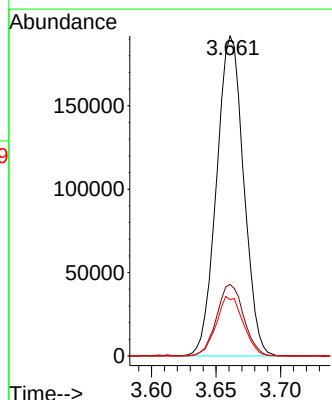
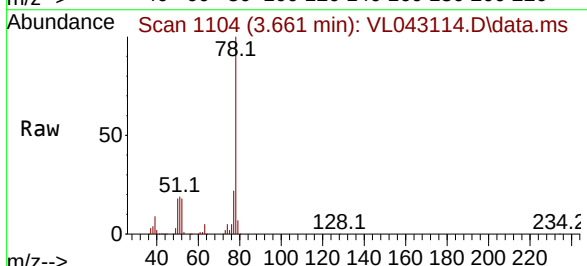
Tgt Ion: 78 Resp: 280028

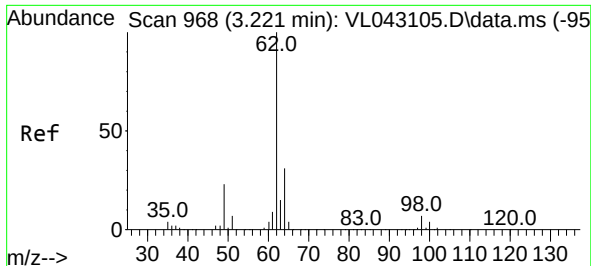
Ion Ratio Lower Upper

78 100

77 22.3 17.0 25.6

50 17.6 14.6 22.0

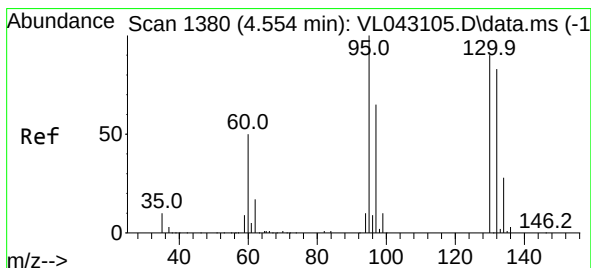
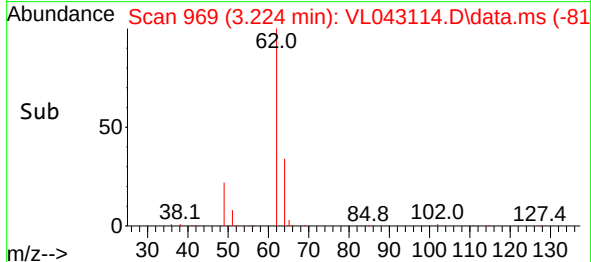
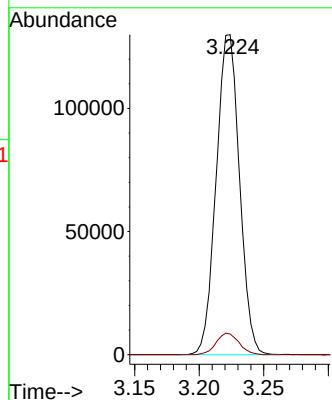
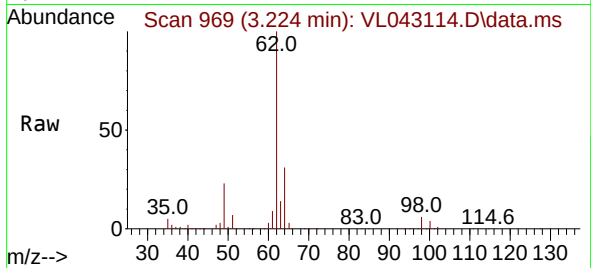




#37
1,2-Dichloroethane
Concen: 9.506 ppbv
RT: 3.224 min Scan# 968
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

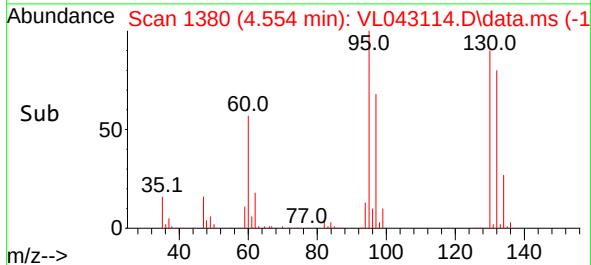
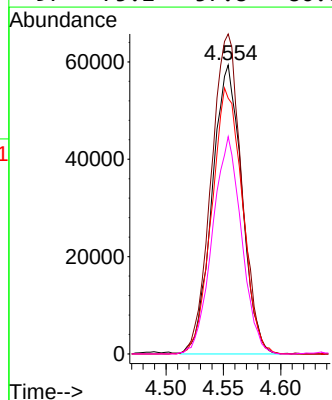
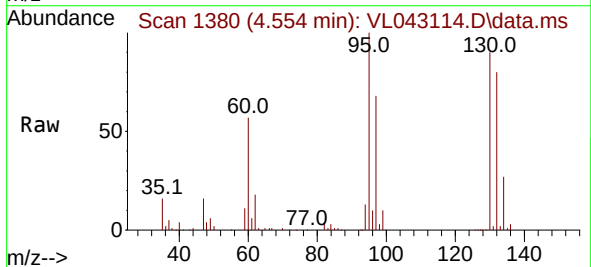
Instrument :
MSVOA_L
ClientSampleId :

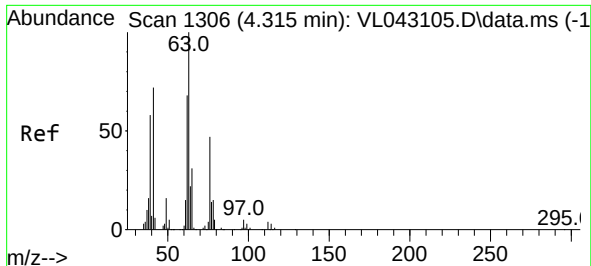
Tgt Ion: 62 Resp: 163041
Ion Ratio Lower Upper
62 100
98 6.6 5.8 8.6



#38
Trichloroethene
Concen: 8.597 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion:130 Resp: 106893
Ion Ratio Lower Upper
130 100
95 110.5 88.6 133.0
132 88.4 73.4 110.0
97 75.2 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.057 ppbv

RT: 4.318 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

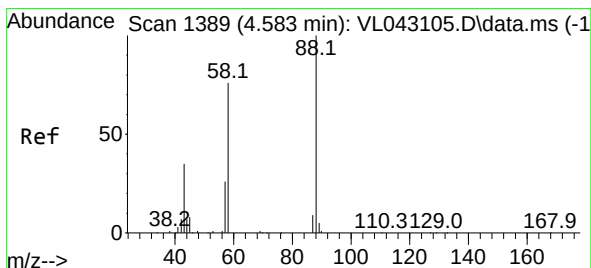
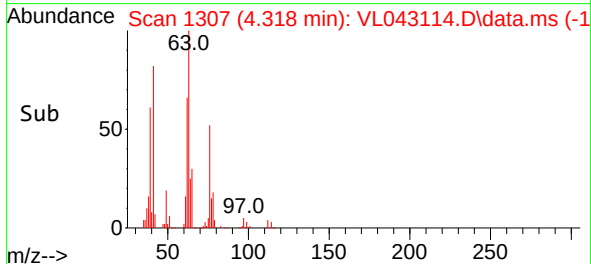
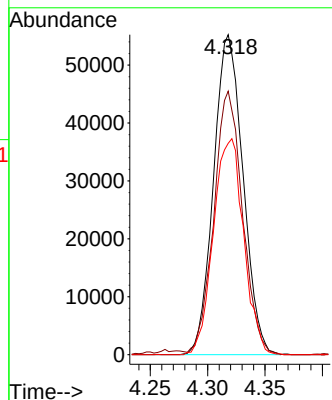
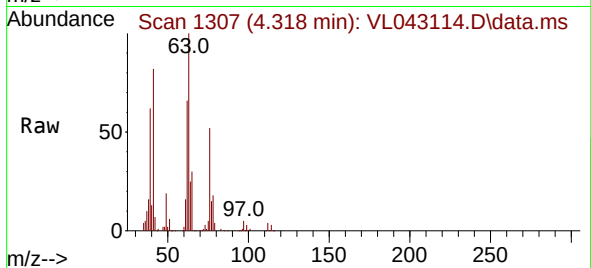
Tgt Ion: 63 Resp: 98585

Ion Ratio Lower Upper

63 100

41 82.2 58.0 87.0

62 66.0 54.7 82.1



#40

1,4-Dioxane

Concen: 9.142 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. -0.003 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Tgt Ion: 88 Resp: 44526

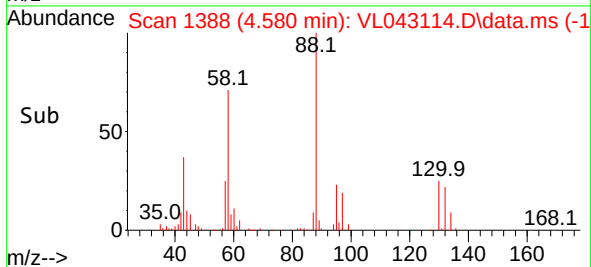
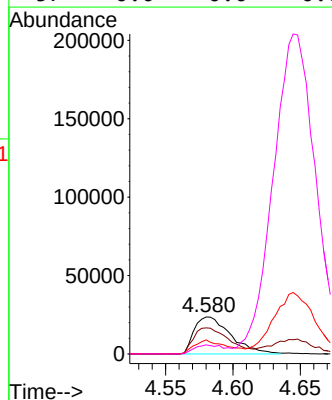
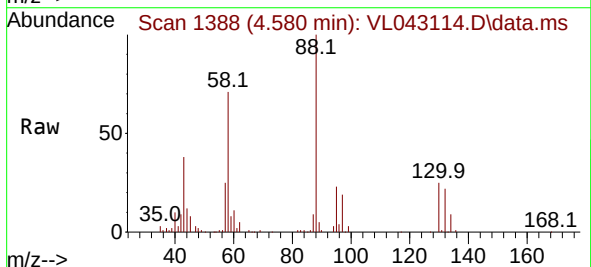
Ion Ratio Lower Upper

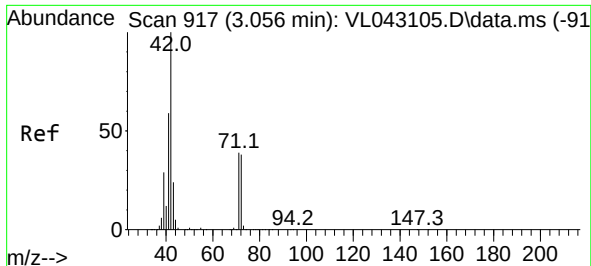
88 100

58 70.6 61.1 91.7

43 34.9 24.0 36.0

57 0.0 0.0 0.0

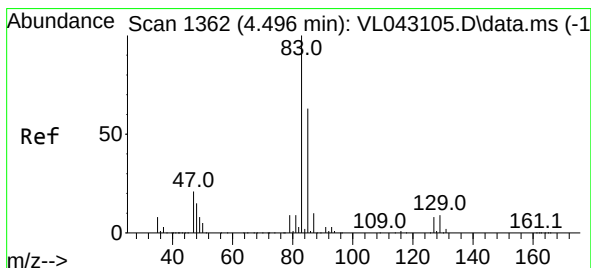
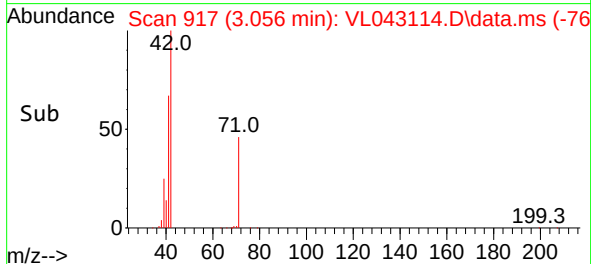
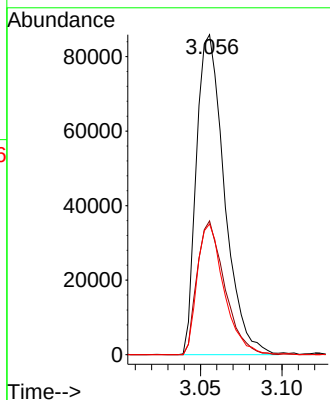
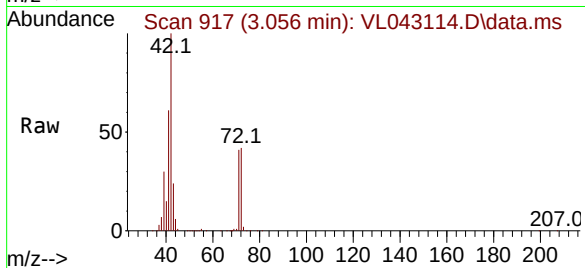




#41
Tetrahydrofuran
Concen: 8.646 ppbv
RT: 3.056 min Scan# 917
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

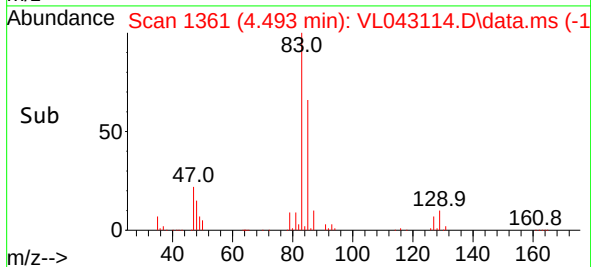
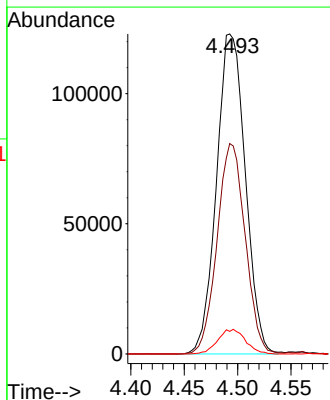
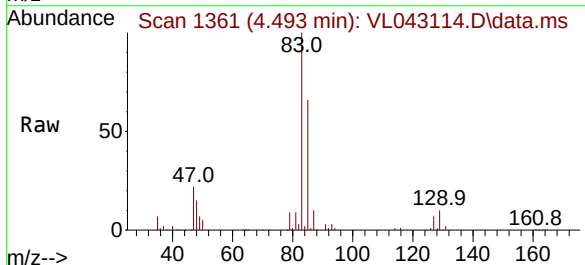
Instrument :
MSVOA_L
ClientSampleId :

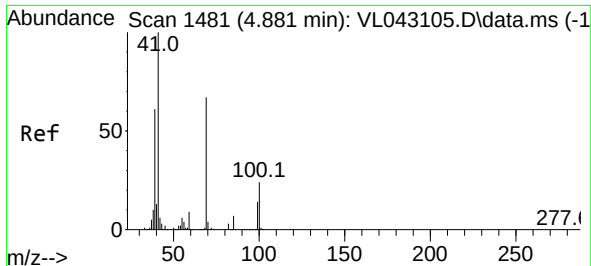
Tgt Ion: 42 Resp: 102758
Ion Ratio Lower Upper
42 100
72 41.2 31.3 46.9
71 39.2 30.4 45.6



#42
Bromodichloromethane
Concen: 9.731 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 83 Resp: 231006
Ion Ratio Lower Upper
83 100
85 65.7 50.6 75.8
127 7.0 6.3 9.5

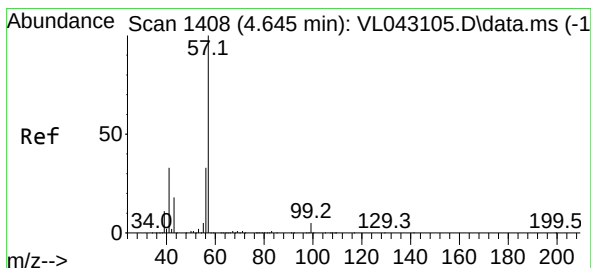
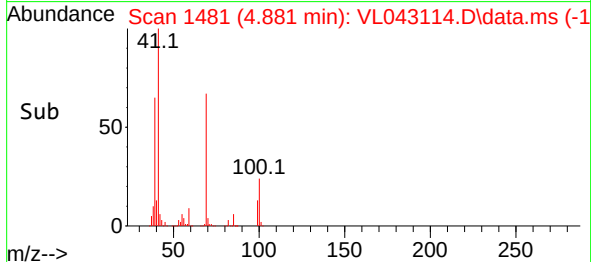
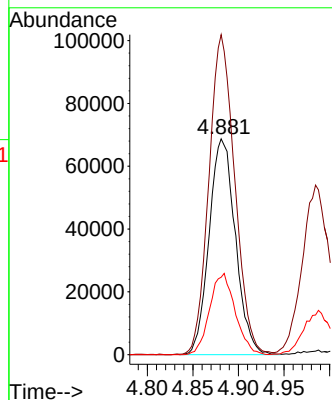
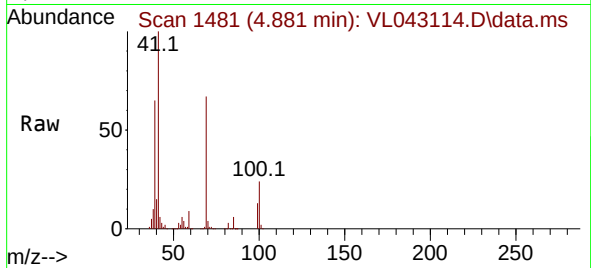




#43
Methyl Methacrylate
Concen: 9.107 ppbv
RT: 4.881 min Scan# 1481
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

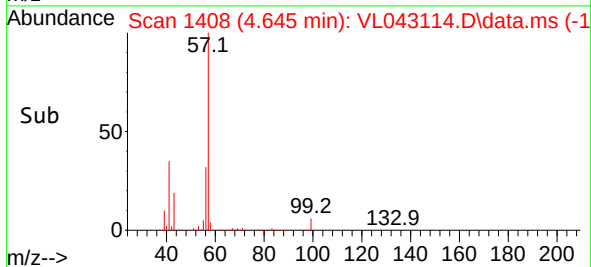
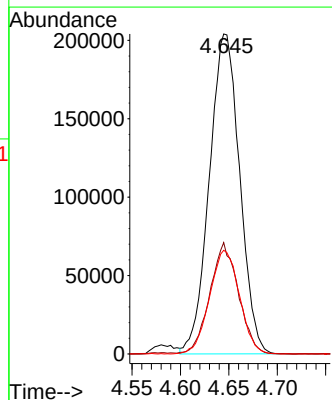
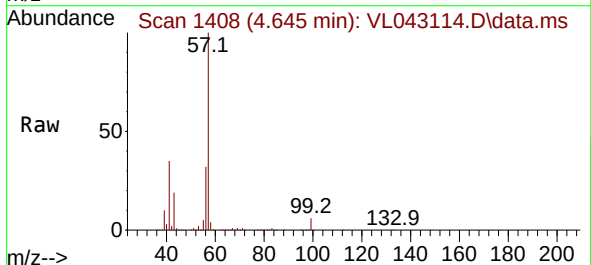
Instrument :
MSVOA_L
ClientSampleId :

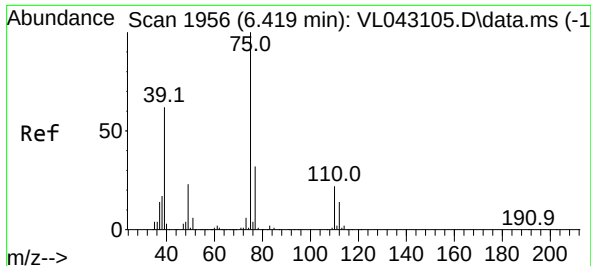
Tgt Ion: 69 Resp: 137710
Ion Ratio Lower Upper
69 100
41 145.9 120.5 180.7
100 36.7 29.0 43.4



#44
2,2,4-Trimethylpentane
Concen: 8.854 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 57 Resp: 444749
Ion Ratio Lower Upper
57 100
41 33.1 26.3 39.5
56 32.0 25.9 38.9

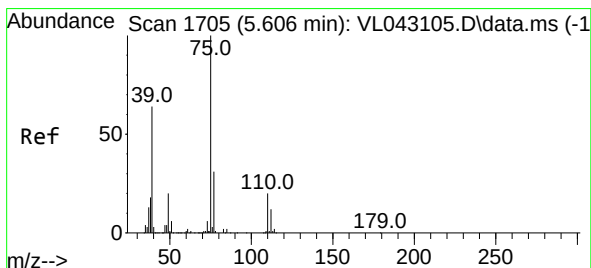
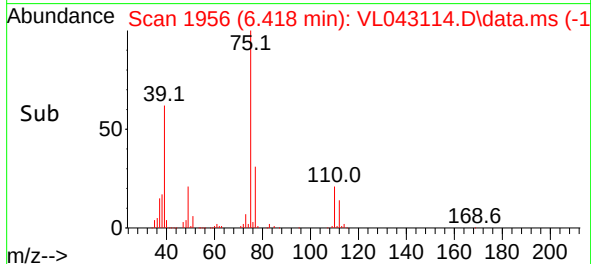
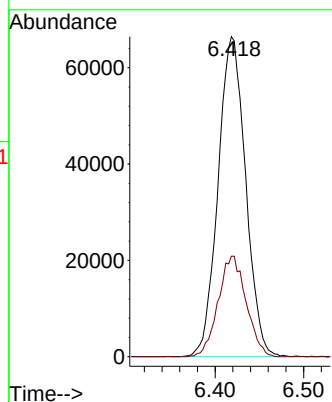
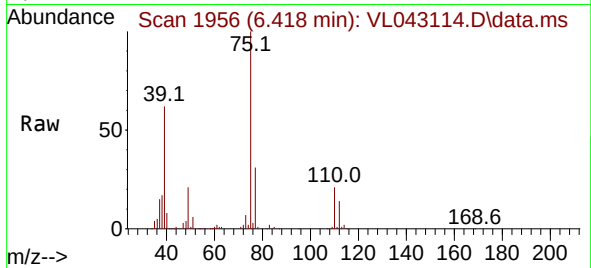




#45
 t-1,3-Dichloropropene
 Concen: 9.477 ppbv
 RT: 6.418 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

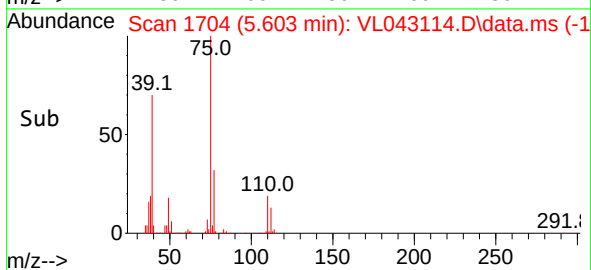
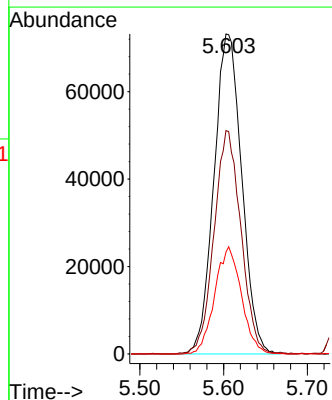
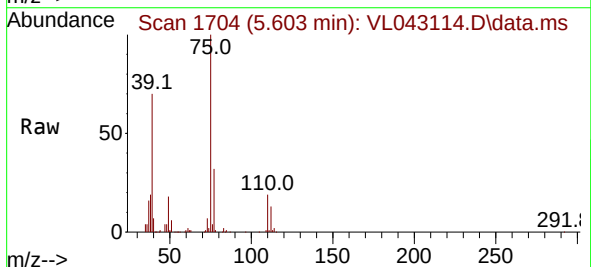
Instrument :
 MSVOA_L
 ClientSampleId :

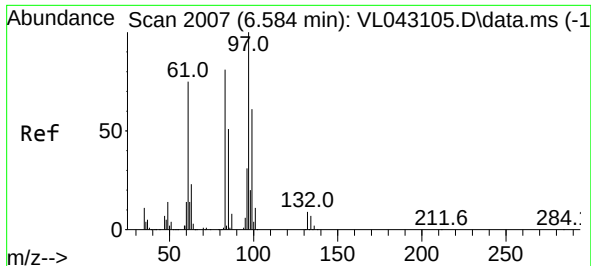
Tgt Ion: 75 Resp: 143812
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 9.306 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. -0.004 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Tgt Ion: 75 Resp: 168699
 Ion Ratio Lower Upper
 75 100
 39 69.5 51.0 76.6
 77 31.8 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 9.145 ppbv

RT: 6.583 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

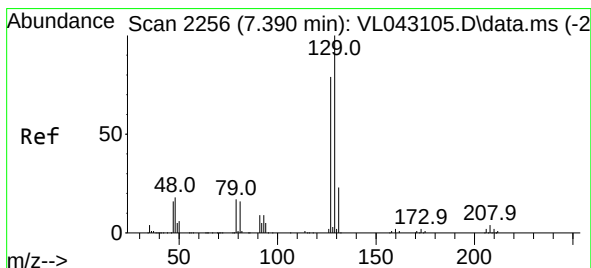
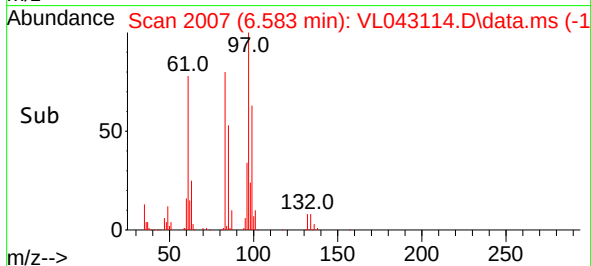
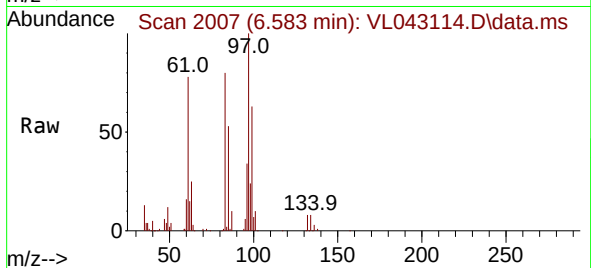
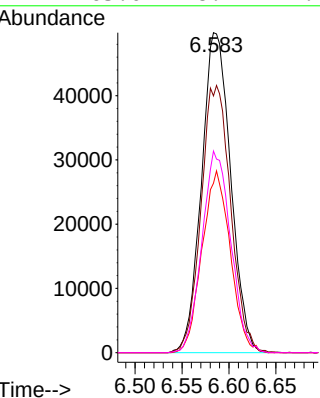
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 107487

Ion	Ratio	Lower	Upper
97	100		
83	80.3	64.6	96.8
85	53.0	40.6	60.8
99	63.0	48.4	72.6



#48

Dibromochloromethane

Concen: 9.504 ppbv

RT: 7.389 min Scan# 2256

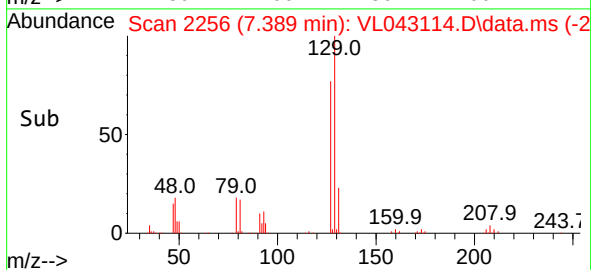
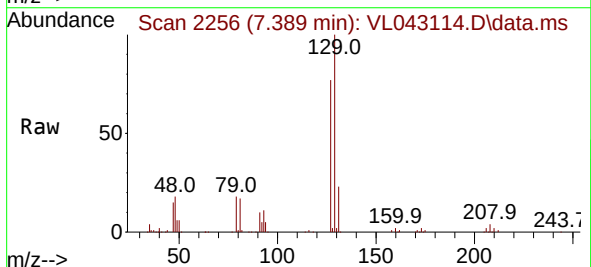
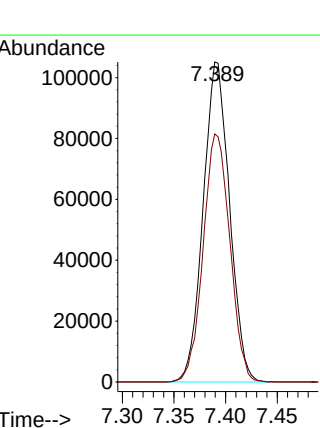
Delta R.T. -0.000 min

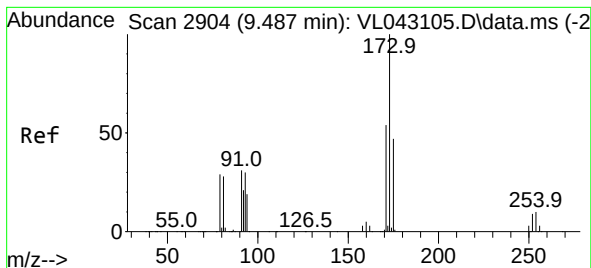
Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Tgt Ion: 129 Resp: 186784

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.9





#49

Bromoform

Concen: 9.523 ppbv

RT: 9.487 min Scan# 2904

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

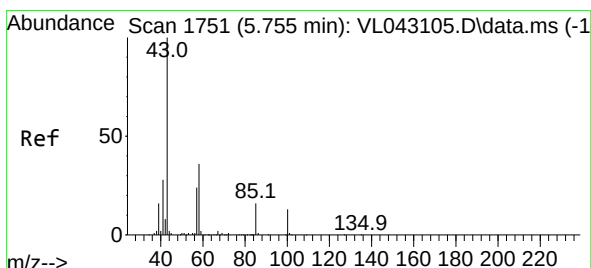
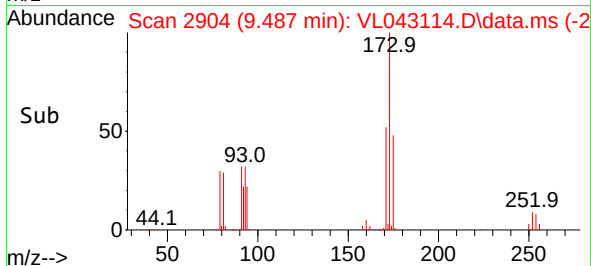
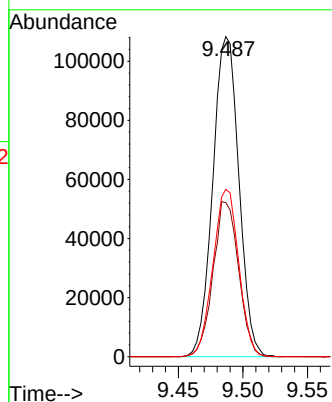
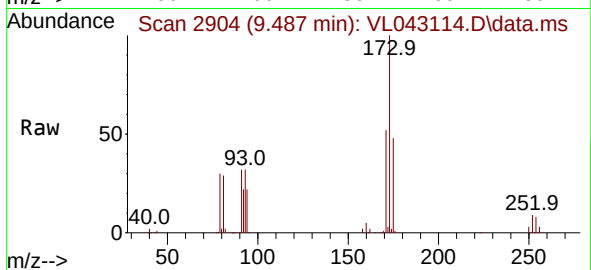
Tgt Ion:173 Resp: 152127

Ion Ratio Lower Upper

173 100

175 47.6 38.8 58.2

171 51.6 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 8.734 ppbv

RT: 5.752 min Scan# 1750

Delta R.T. -0.003 min

Lab File: VL043114.D

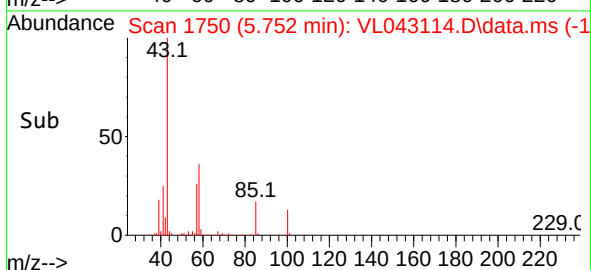
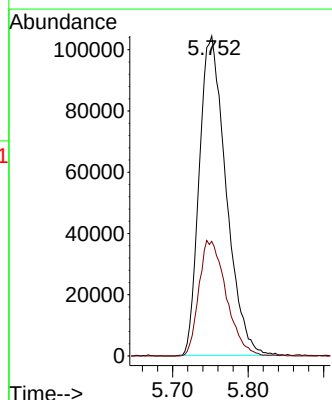
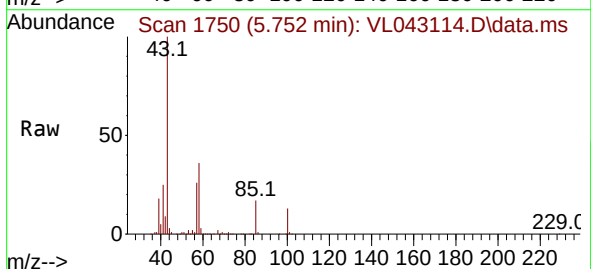
Acq: 15 Oct 2025 08:43

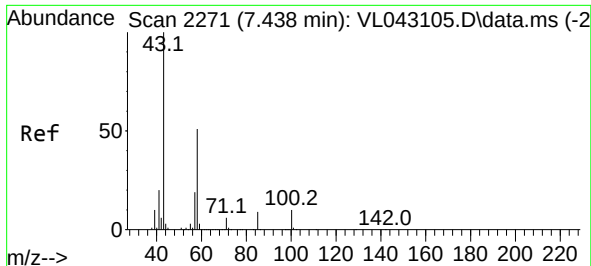
Tgt Ion: 43 Resp: 256116

Ion Ratio Lower Upper

43 100

58 37.1 29.1 43.7

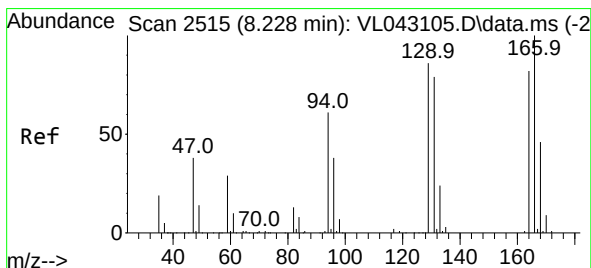
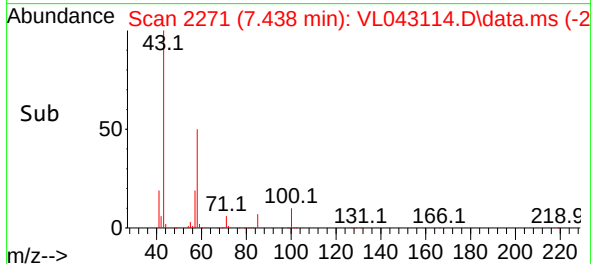
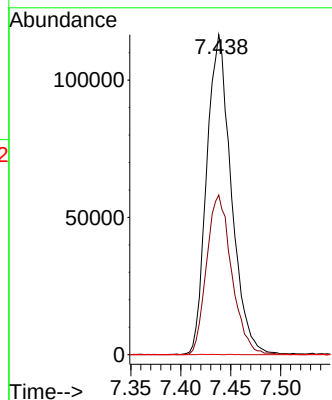
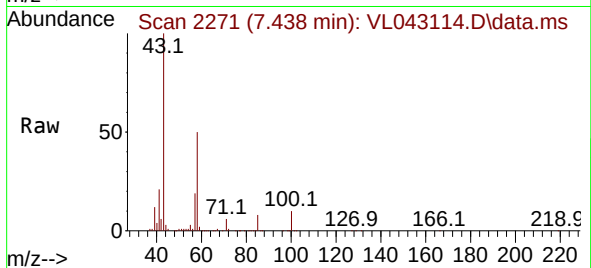




#51
2-Hexanone
Concen: 9.057 ppbv
RT: 7.438 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

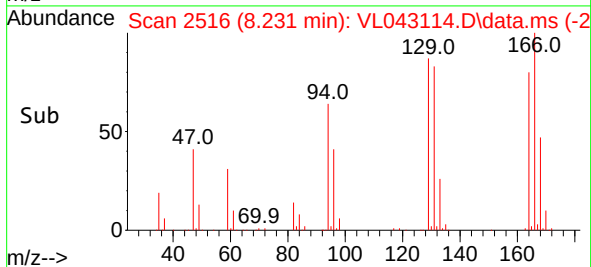
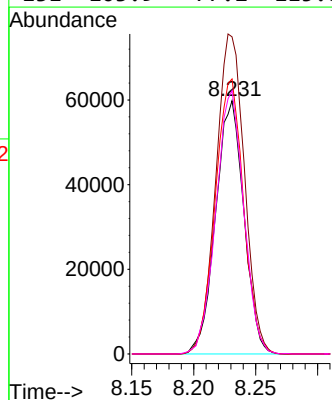
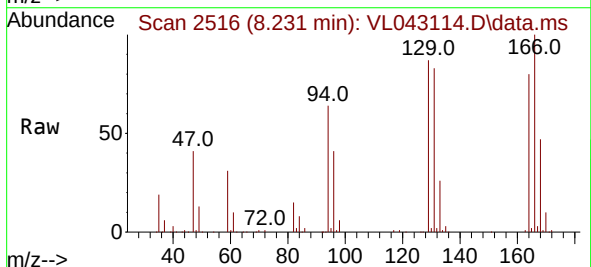
Instrument :
MSVOA_L
ClientSampleId :

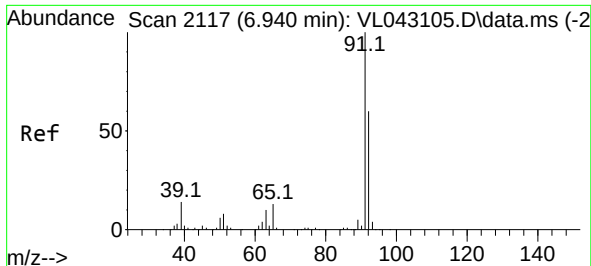
Tgt Ion: 43 Resp: 199219
Ion Ratio Lower Upper
43 100
58 51.1 40.4 60.6
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.820 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion:164 Resp: 94700
Ion Ratio Lower Upper
164 100
166 125.2 97.6 146.4
129 108.5 84.5 126.7
131 103.9 77.2 115.8

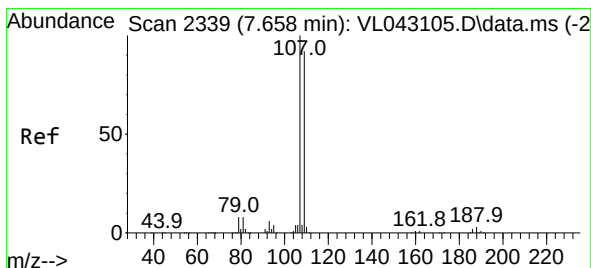
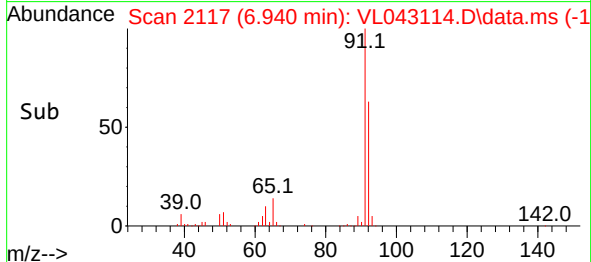
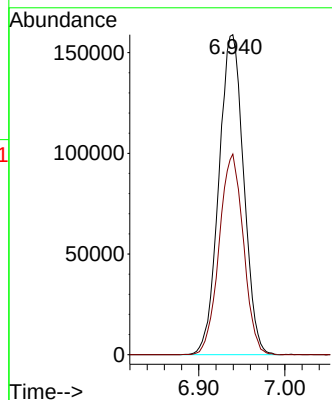
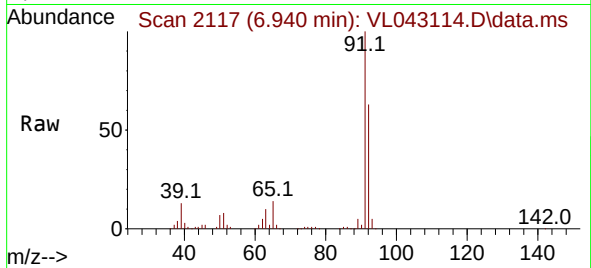




#53
Toluene
Concen: 9.007 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

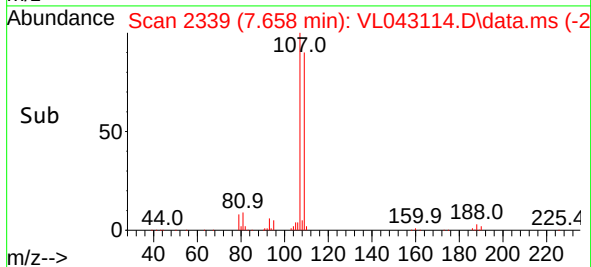
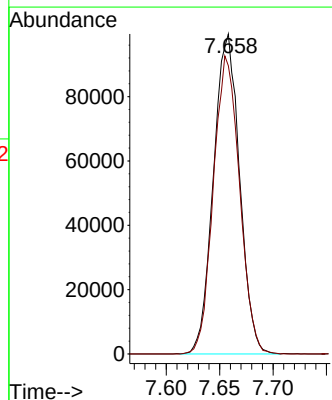
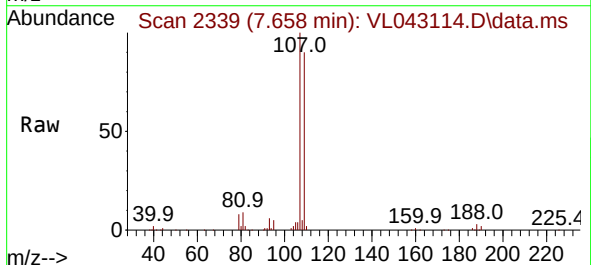
Instrument :
MSVOA_L
ClientSampleId :

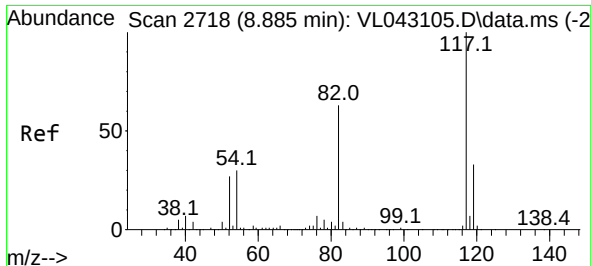
Tgt Ion: 91 Resp: 318262
Ion Ratio Lower Upper
91 100
92 61.3 48.8 73.2



#54
1,2-Dibromoethane
Concen: 9.181 ppbv
RT: 7.658 min Scan# 2339
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

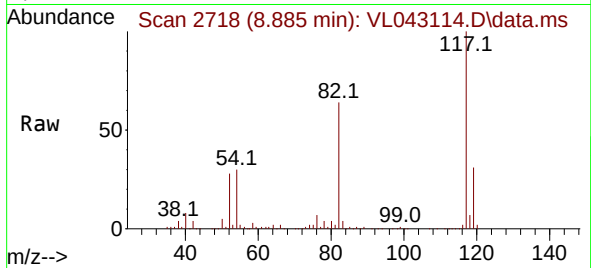
Tgt Ion: 107 Resp: 169023
Ion Ratio Lower Upper
107 100
109 90.1 73.4 110.2



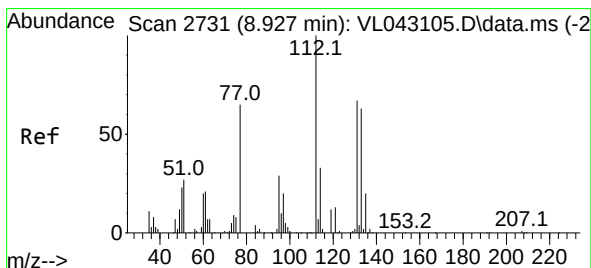
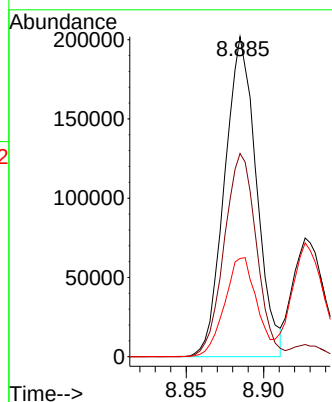
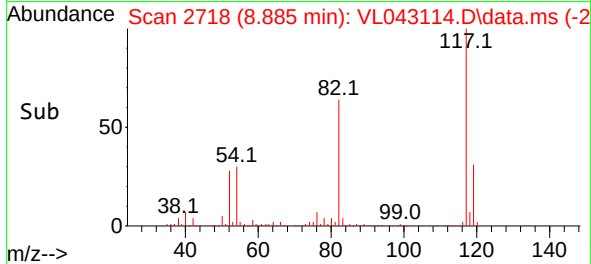


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

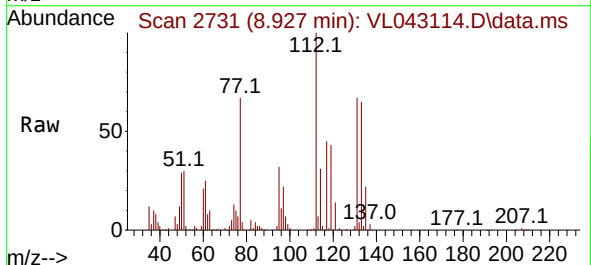
Instrument :
MSVOA_L
ClientSampleId :



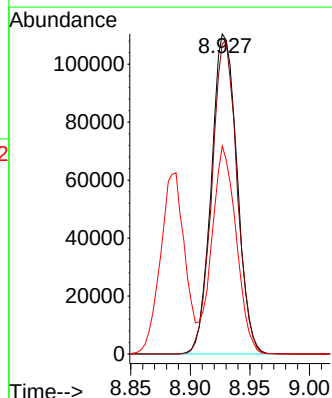
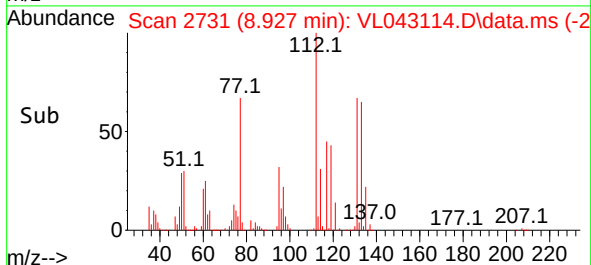
Tgt Ion:117 Resp: 288868
Ion Ratio Lower Upper
117 100
82 67.9 53.8 80.8
119 31.6 25.4 38.0

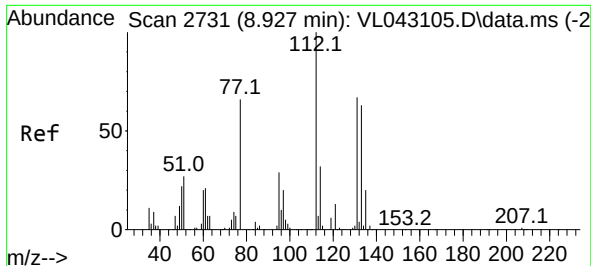


#56
1,1,1,2-Tetrachloroethane
Concen: 9.073 ppbv
RT: 8.927 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43



Tgt Ion:131 Resp: 165210
Ion Ratio Lower Upper
131 100
133 96.1 75.7 113.5
119 62.3 50.6 76.0

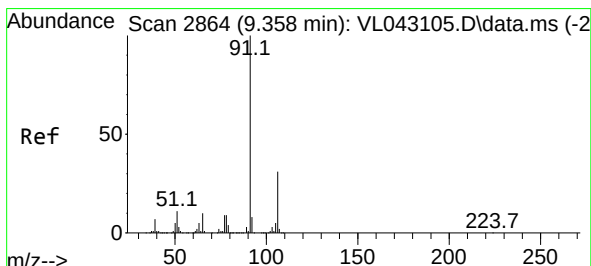
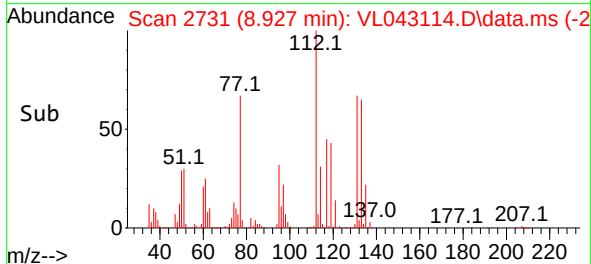
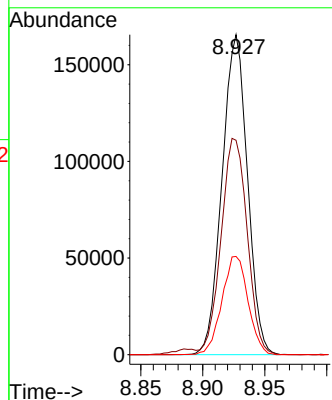
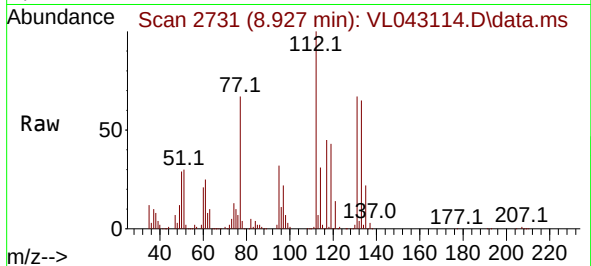




#57
Chlorobenzene
Concen: 8.750 ppbv
RT: 8.927 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

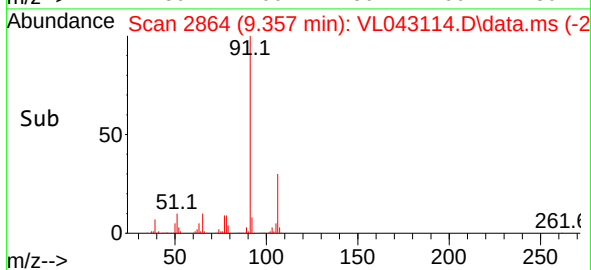
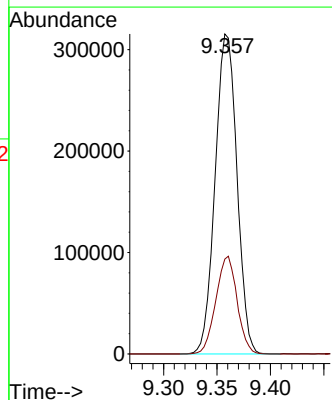
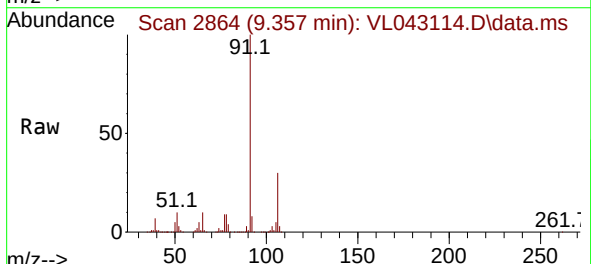
Instrument :
MSVOA_L
ClientSampleId :

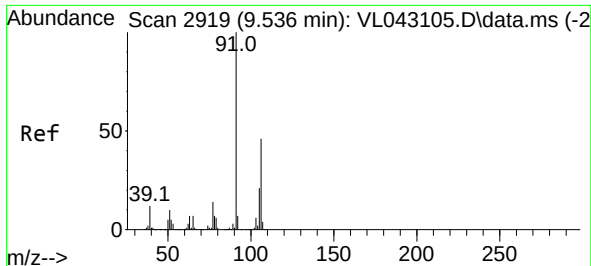
Tgt Ion:112 Resp: 236465
Ion Ratio Lower Upper
112 100
77 66.9 53.3 79.9
114 30.7 29.3 35.8



#58
Ethyl Benzene
Concen: 9.043 ppbv
RT: 9.357 min Scan# 2864
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 91 Resp: 448315
Ion Ratio Lower Upper
91 100
106 29.6 24.8 37.2

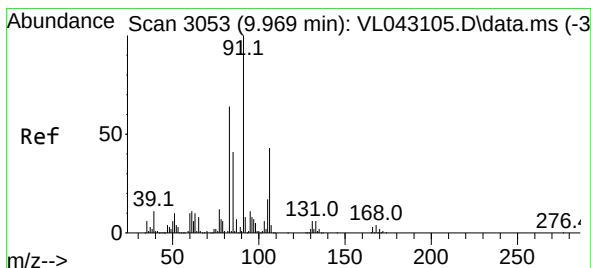
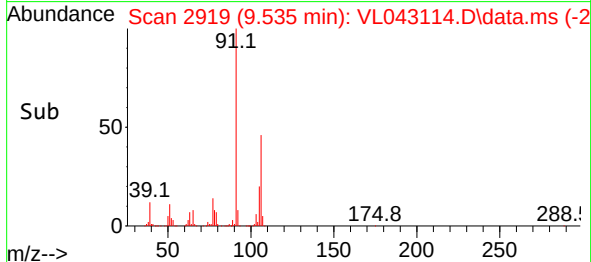
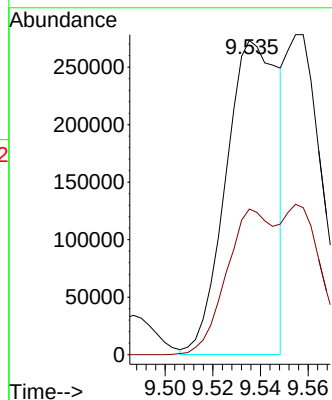
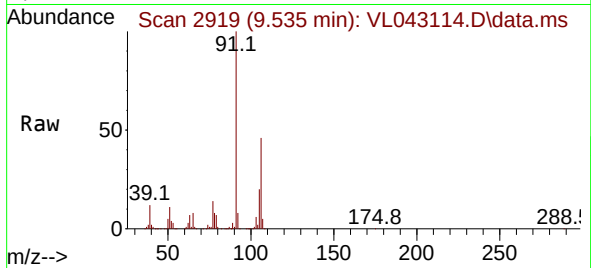




#59
m/p-Xylene
Concen: 10.508 ppbv
RT: 9.535 min Scan# 2919
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

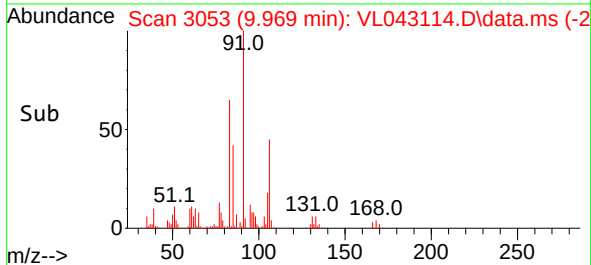
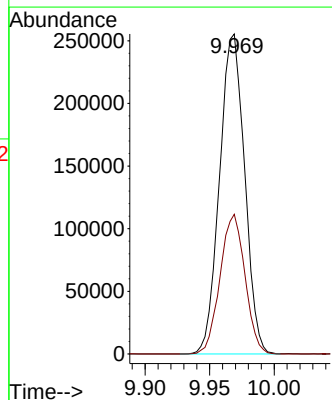
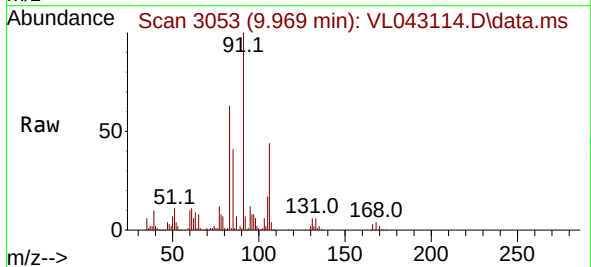
Instrument :
MSVOA_L
ClientSampleId :

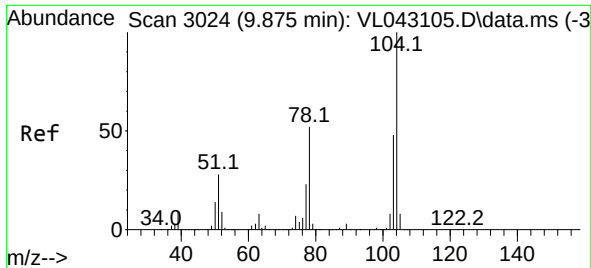
Tgt Ion: 91 Resp: 415529
Ion Ratio Lower Upper
91 100
106 0.0 38.0 57.0#



#60
o-Xylene
Concen: 8.831 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 91 Resp: 344891
Ion Ratio Lower Upper
91 100
106 43.3 21.9 65.8

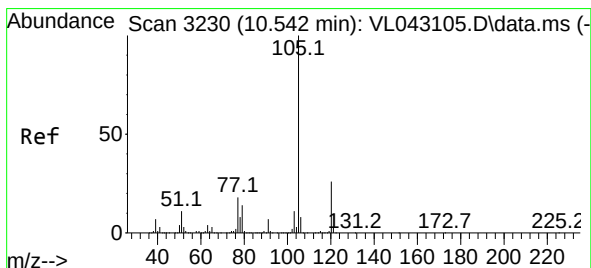
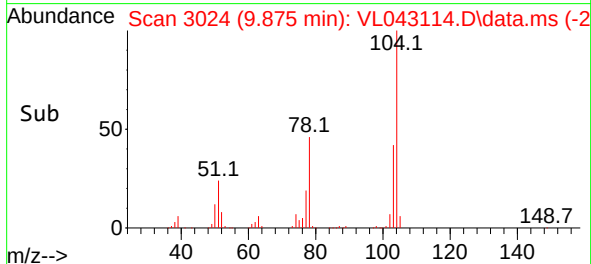
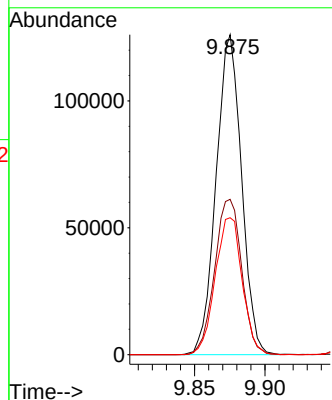
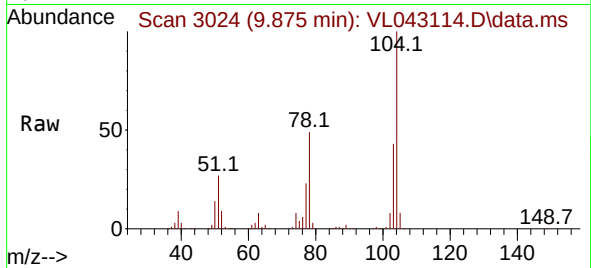




#61
Styrene
Concen: 8.997 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

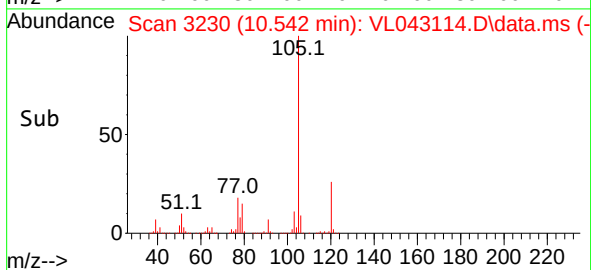
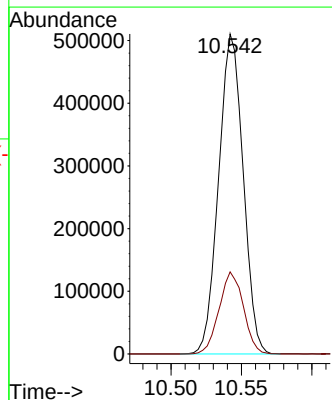
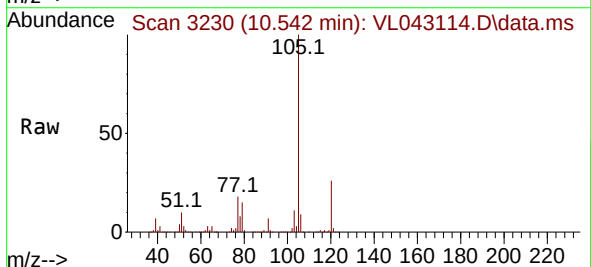
Instrument :
MSVOA_L
ClientSampleId :

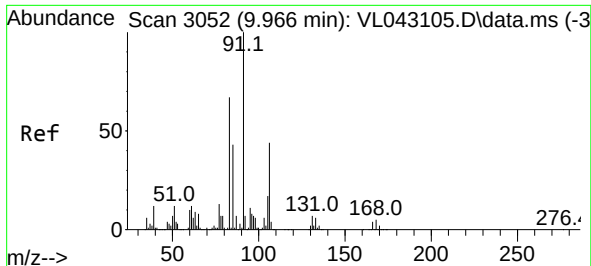
Tgt Ion:104 Resp: 158625
Ion Ratio Lower Upper
104 100
78 51.5 40.2 60.2
103 45.6 36.9 55.3



#62
Isopropylbenzene
Concen: 8.784 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion:105 Resp: 619844
Ion Ratio Lower Upper
105 100
120 25.4 20.2 30.4



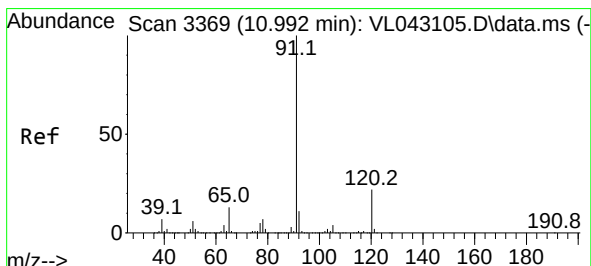
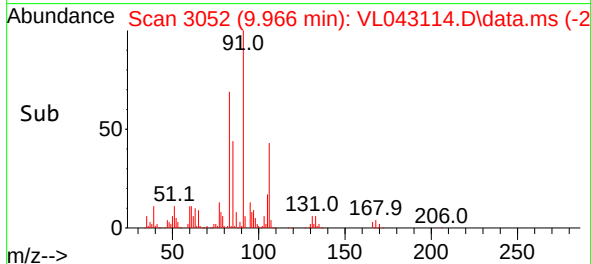
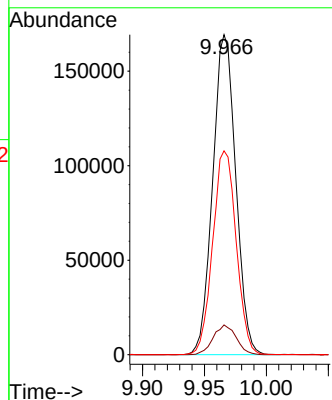
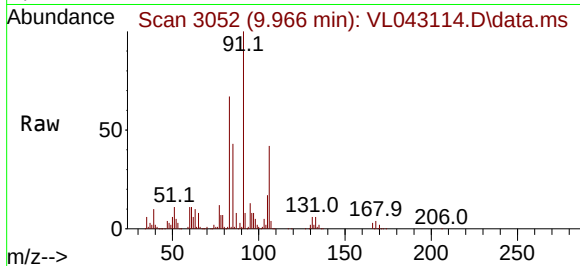


#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.399 ppbv
 RT: 9.966 min Scan# 3052
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 83 Resp: 219643

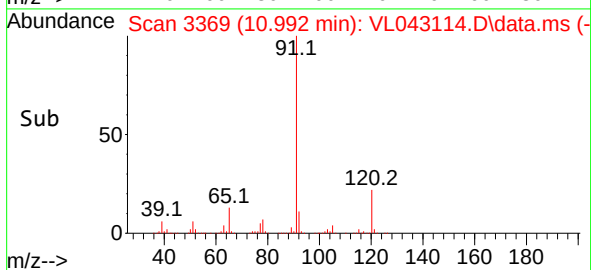
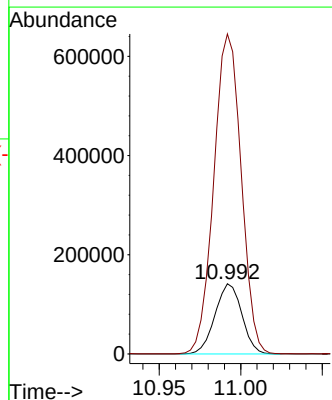
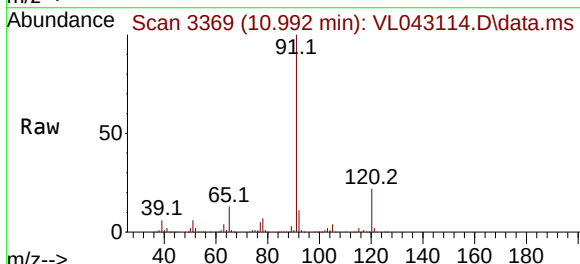
Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.8	14.3
85	64.9	32.0	96.0

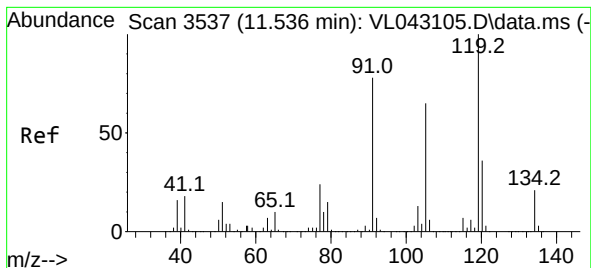


#64
 n-propylbenzene
 Concen: 8.652 ppbv
 RT: 10.992 min Scan# 3369
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Tgt Ion: 120 Resp: 161656

Ion	Ratio	Lower	Upper
120	100		
91	465.5	361.6	542.4

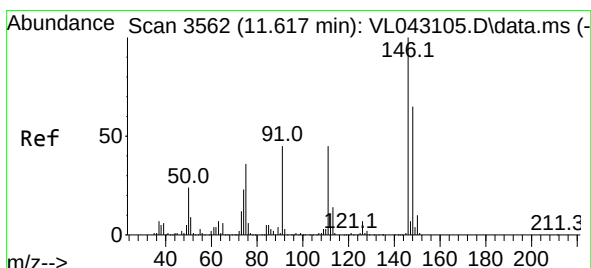
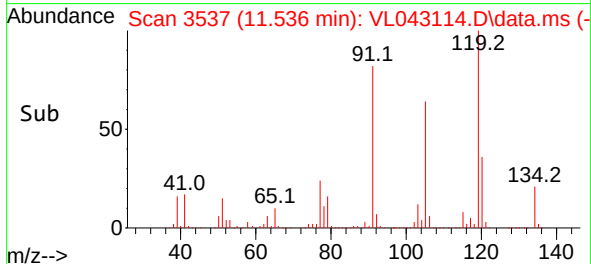
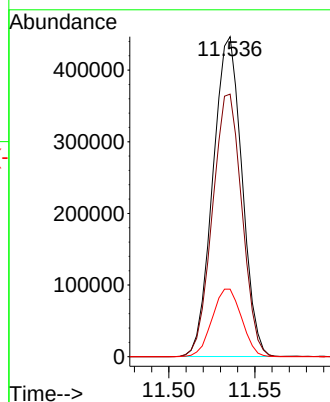
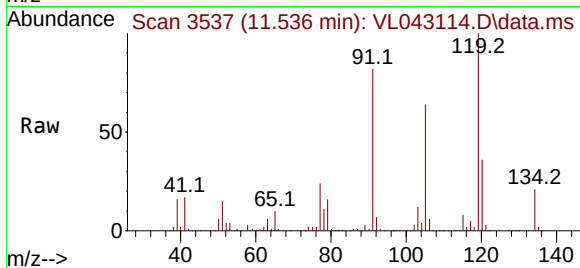




#65
tert-Butylbenzene
Concen: 8.430 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

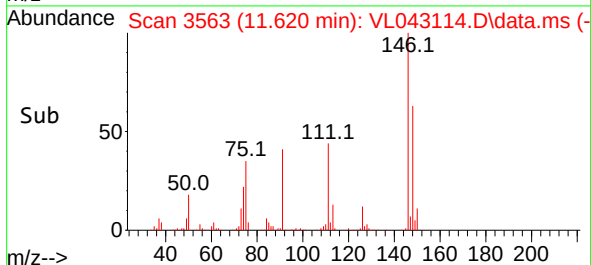
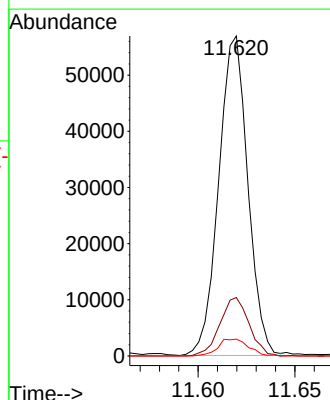
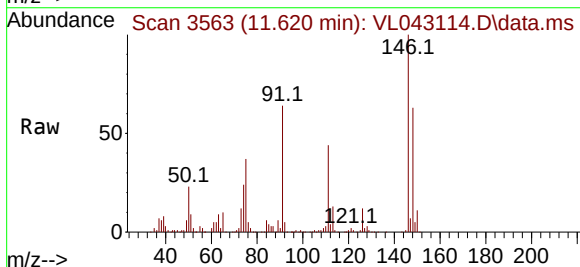
Instrument :
MSVOA_L
ClientSampleId :

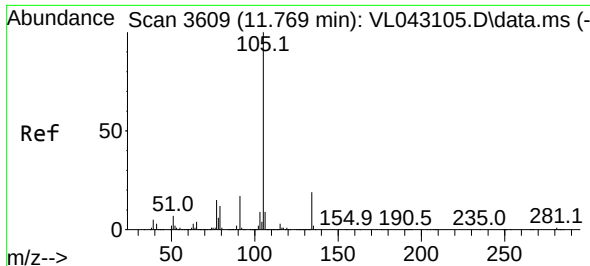
Tgt Ion:119 Resp: 525334
Ion Ratio Lower Upper
119 100
91 83.2 63.4 95.0
134 21.4 17.3 25.9



#66
Benzyl Chloride
Concen: 8.583 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. 0.003 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 91 Resp: 59531
Ion Ratio Lower Upper
91 100
126 18.3 14.6 22.0
128 5.5 4.6 6.8





#67

sec-Butylbenzene

Concen: 8.600 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.003 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

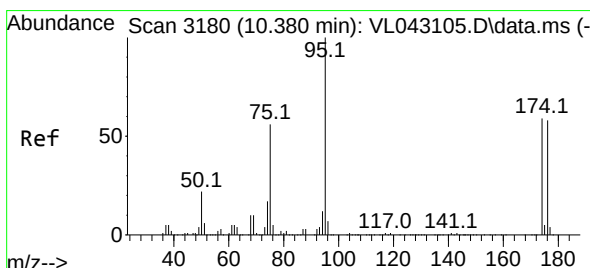
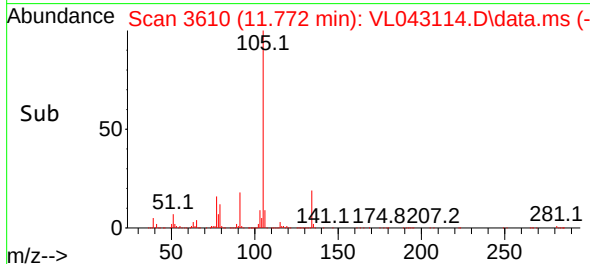
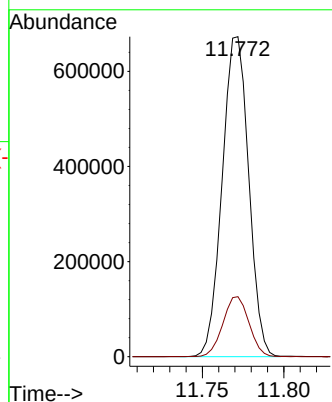
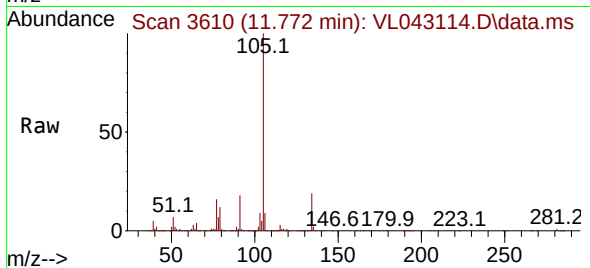
ClientSampleId :

Tgt Ion:105 Resp: 760584

Ion Ratio Lower Upper

105 100

134 18.5 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.118 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

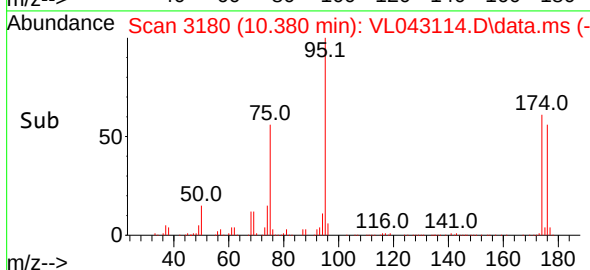
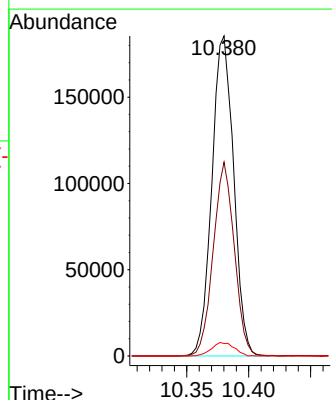
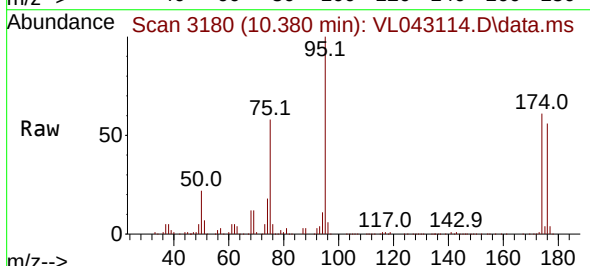
Tgt Ion: 95 Resp: 227182

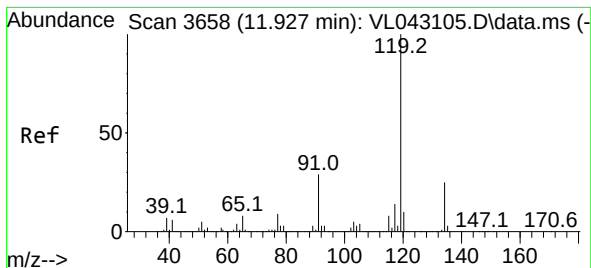
Ion Ratio Lower Upper

95 100

174 58.5 48.3 72.5

175 4.4 3.8 5.8





#69

p-Isopropyltoluene

Concen: 8.513 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

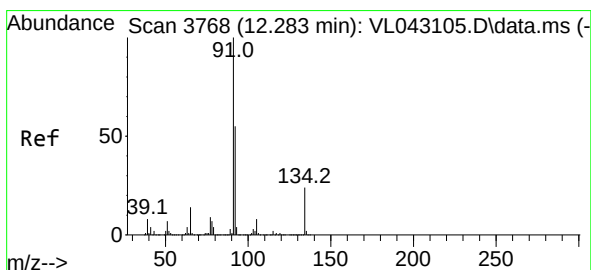
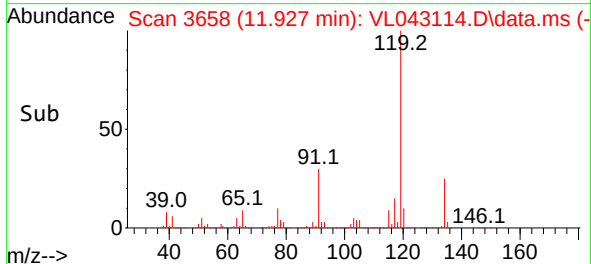
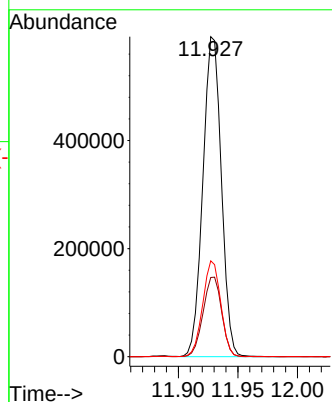
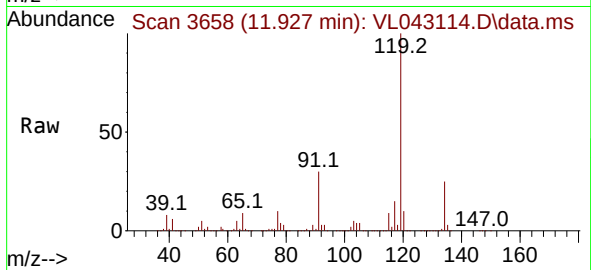
Tgt Ion:119 Resp: 639817

Ion Ratio Lower Upper

119 100

134 25.2 20.3 30.5

91 29.3 22.6 33.8



#70

n-Butylbenzene

Concen: 8.825 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

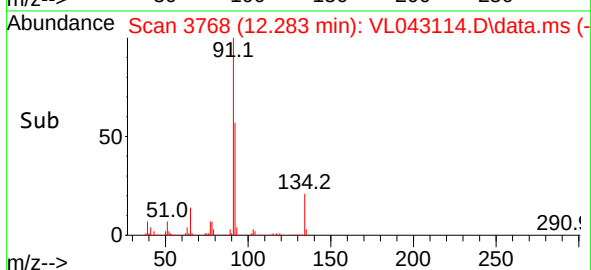
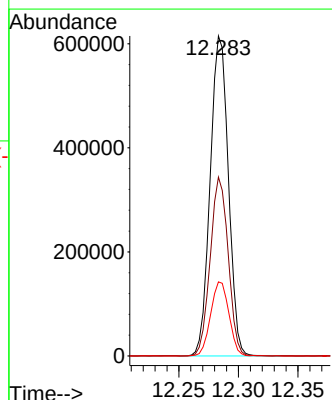
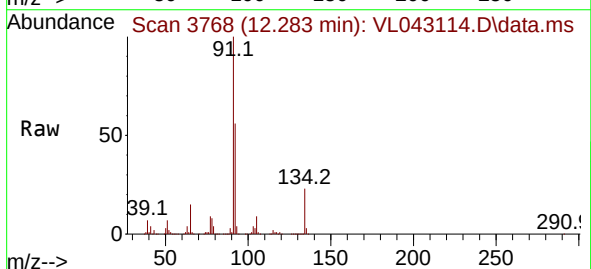
Tgt Ion: 91 Resp: 653616

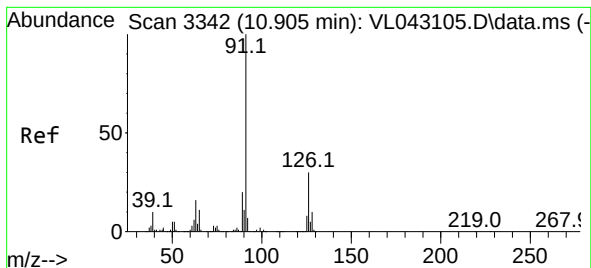
Ion Ratio Lower Upper

91 100

92 55.3 44.5 66.7

134 23.3 19.3 28.9

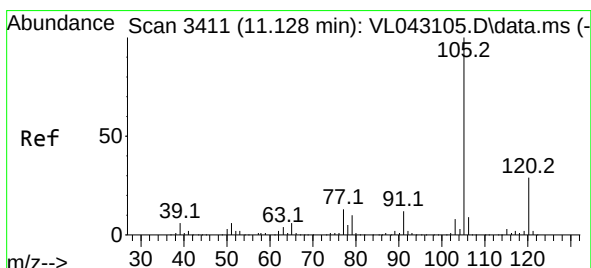
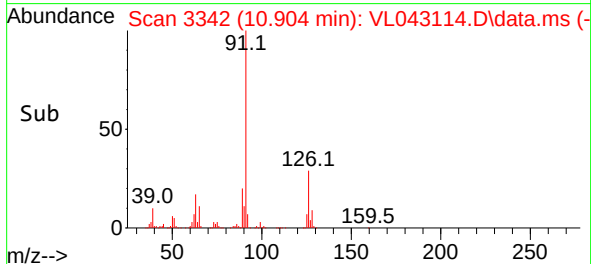
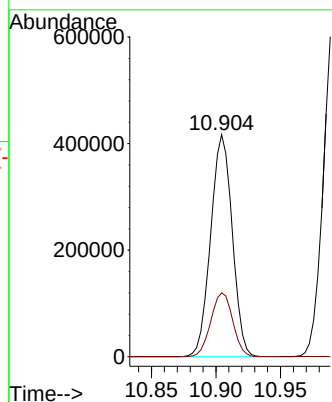
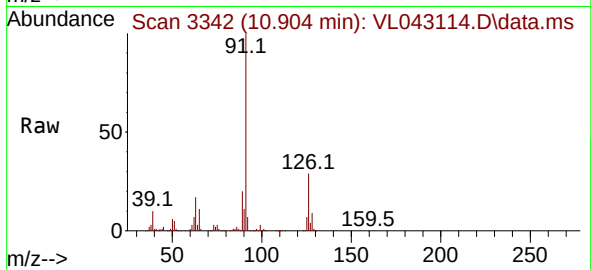




#71
2-Chlorotoluene
Concen: 8.976 ppbv
RT: 10.904 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

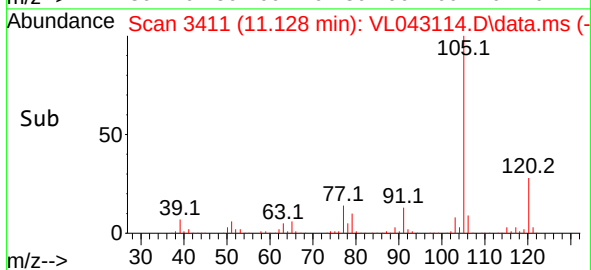
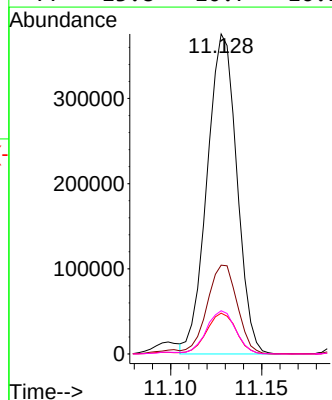
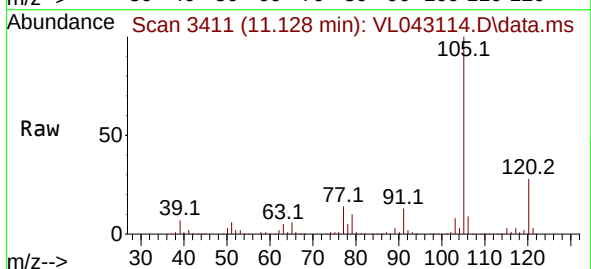
Instrument :
MSVOA_L
ClientSampleId :

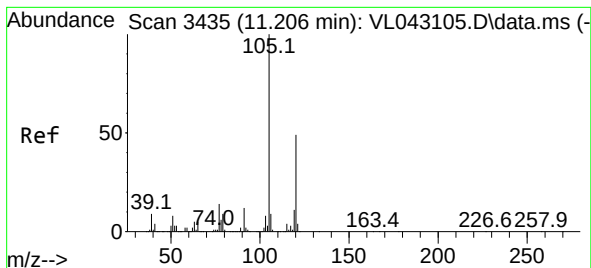
Tgt Ion: 91 Resp: 483141
Ion Ratio Lower Upper
91 100
126 29.2 12.0 48.0



#72
4-Ethyltoluene
Concen: 8.896 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.000 min
Lab File: VL043114.D
Acq: 15 Oct 2025 08:43

Tgt Ion: 105 Resp: 427201
Ion Ratio Lower Upper
105 100
120 29.2 24.2 36.4
91 13.1 10.0 15.0
77 13.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 8.945 ppbv

RT: 11.205 min Scan# 3435

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

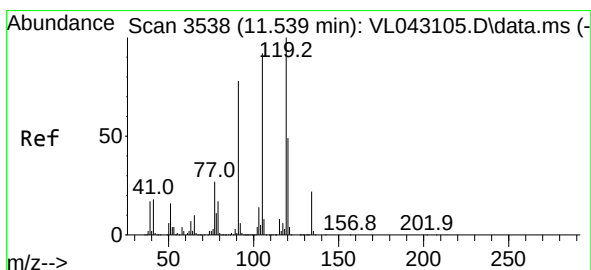
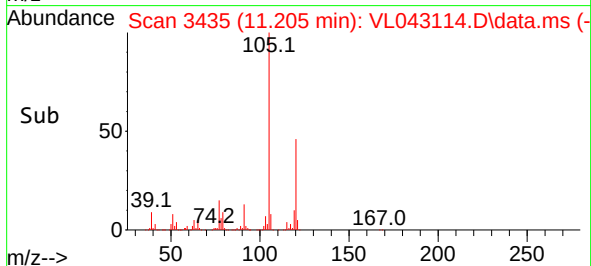
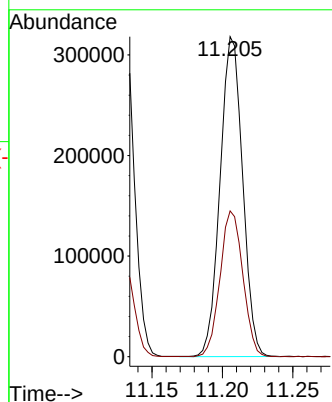
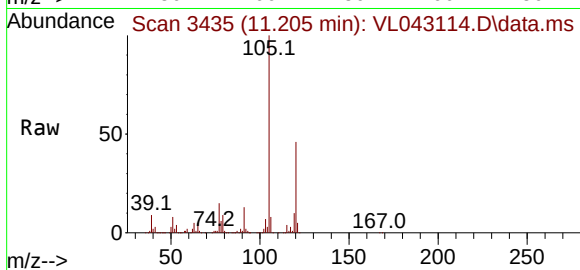
ClientSampleId :

Tgt Ion:105 Resp: 354264

Ion Ratio Lower Upper

105 100

120 45.6 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 8.537 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Tgt Ion:105 Resp: 378357

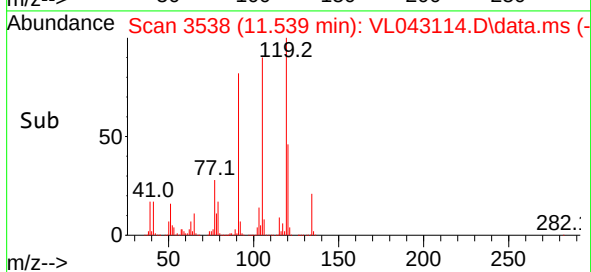
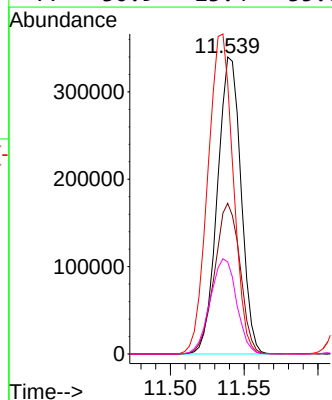
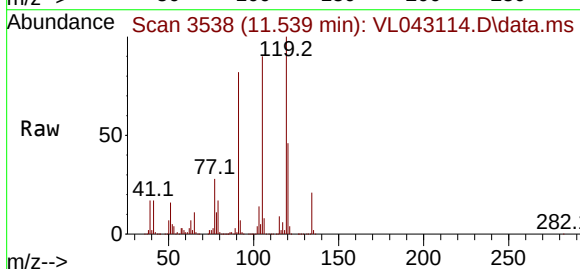
Ion Ratio Lower Upper

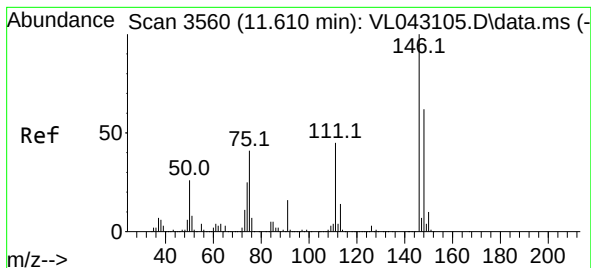
105 100

120 50.7 42.8 64.2

91 91.0 68.3 102.5

77 30.9 23.4 35.0





#75

1,3-Dichlorobenzene

Concen: 8.587 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

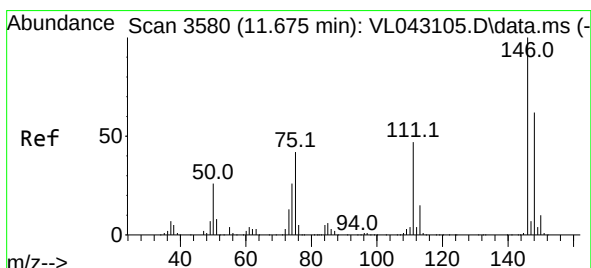
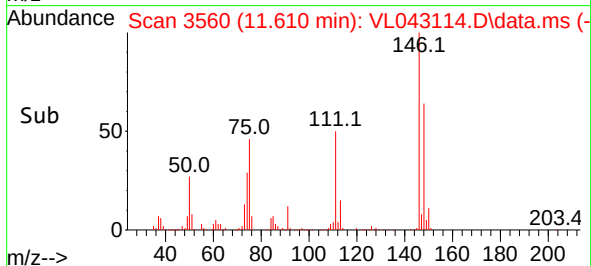
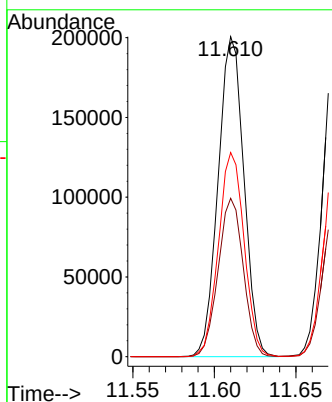
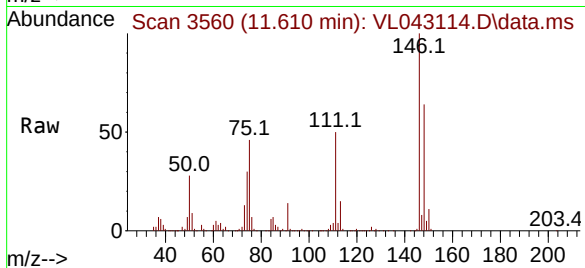
Tgt Ion:146 Resp: 220714

Ion Ratio Lower Upper

146 100

111 48.2 23.3 69.9

148 63.5 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 8.750 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

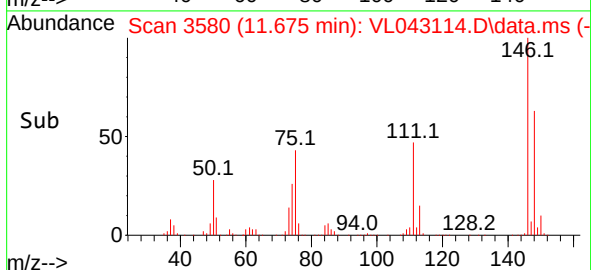
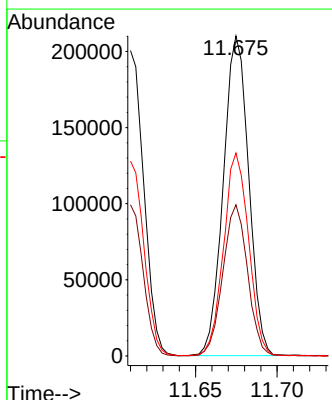
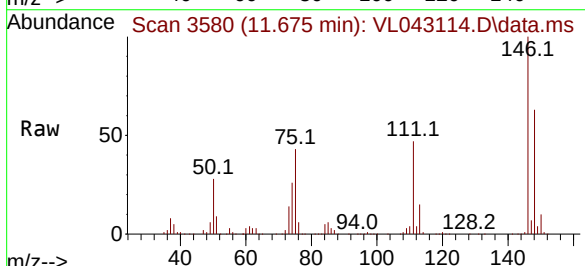
Tgt Ion:146 Resp: 226777

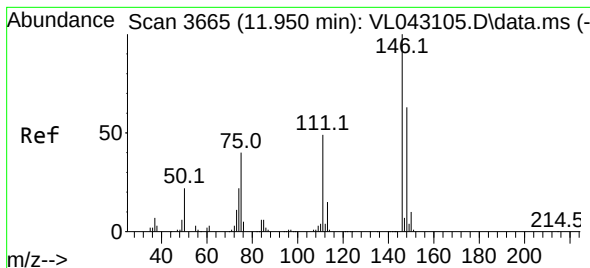
Ion Ratio Lower Upper

146 100

111 46.4 22.4 67.0

148 63.0 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 8.460 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

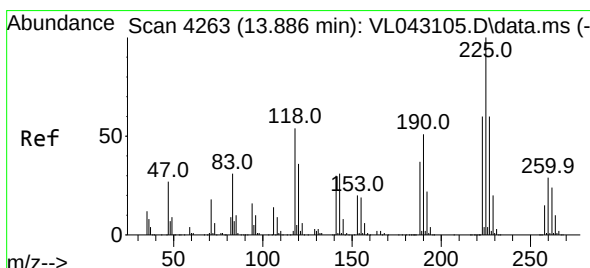
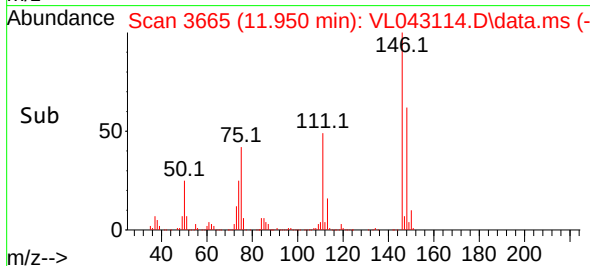
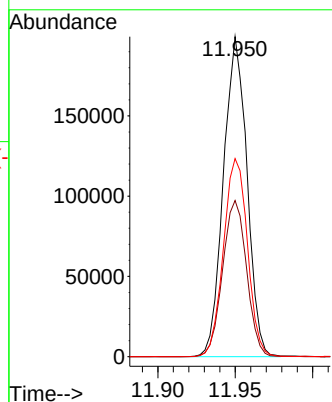
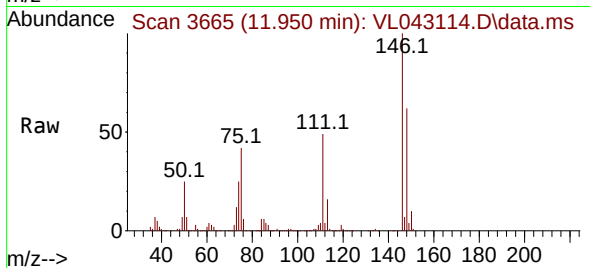
Tgt Ion:146 Resp: 210381

Ion Ratio Lower Upper

146 100

111 49.8 24.0 72.0

148 63.3 31.1 93.3



#78

Hexachloro-1,3-Butadiene

Concen: 7.784 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

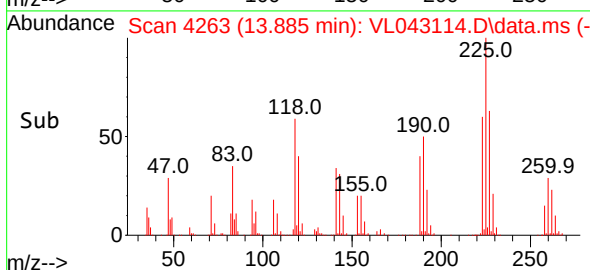
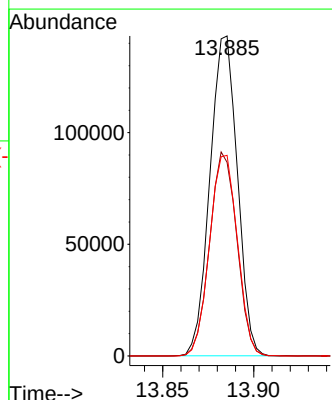
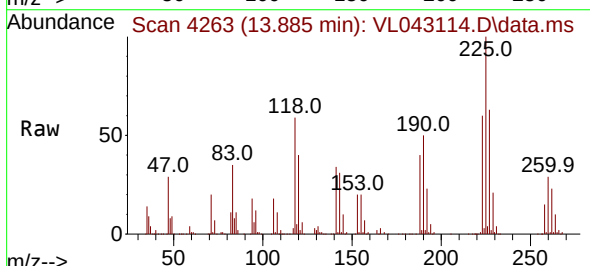
Tgt Ion:225 Resp: 149878

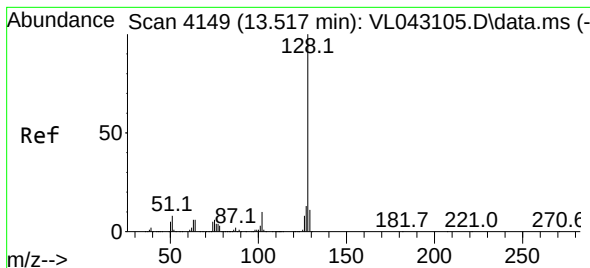
Ion Ratio Lower Upper

225 100

223 63.3 50.2 75.4

227 63.9 49.6 74.4





#79

Naphthalene

Concen: 9.238 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

Instrument :

MSVOA_L

ClientSampleId :

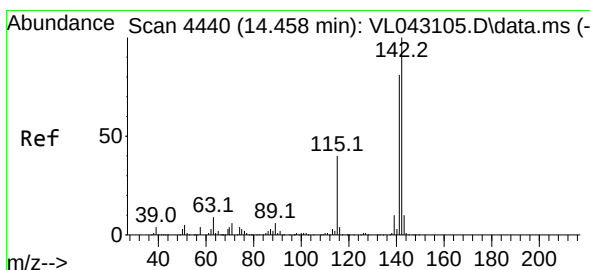
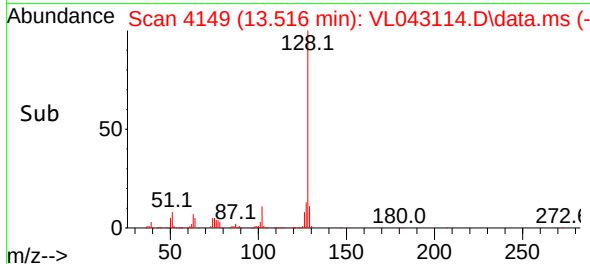
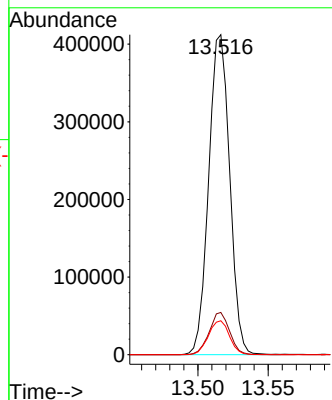
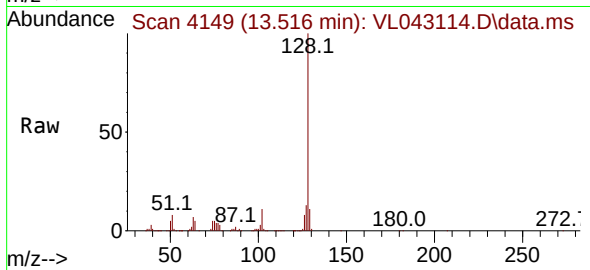
Tgt Ion:128 Resp: 427928

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 10.6 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 10.225 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.000 min

Lab File: VL043114.D

Acq: 15 Oct 2025 08:43

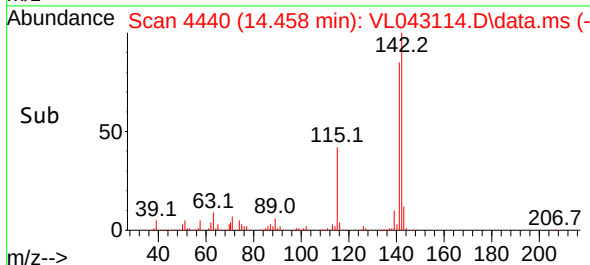
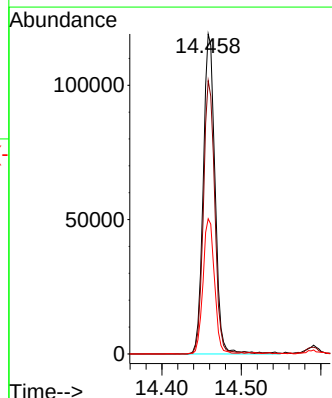
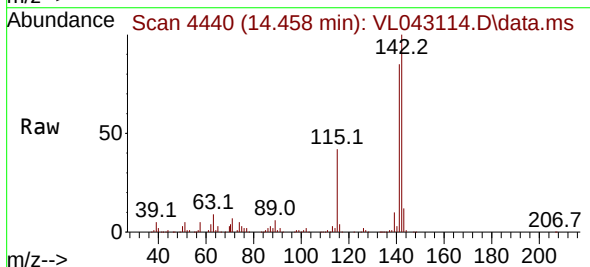
Tgt Ion:142 Resp: 123398

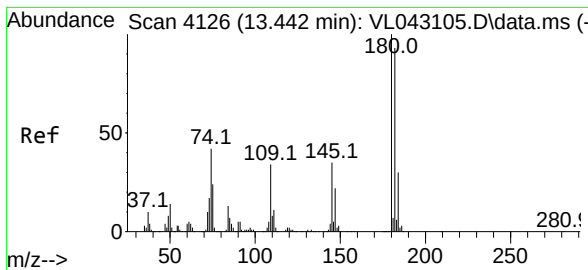
Ion Ratio Lower Upper

142 100

141 83.4 64.6 97.0

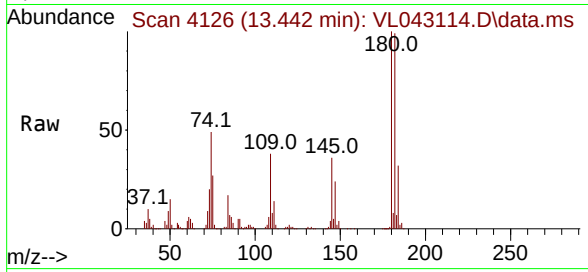
115 42.0 30.2 45.4





#81
 1,2,4-Trichlorobenzene
 Concen: 8.789 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL043114.D
 Acq: 15 Oct 2025 08:43

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 168975

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.5	113.3
184	30.7	23.9	35.9

