

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042753.D
 Acq On : 23 Jul 2025 12:26
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Jul 24 05:00:31 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	150331	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	427438	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	385223	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.370 95 315293 10.335 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	277045	13.938	ppbv	98
3) Chlorodifluoromethane	1.473	51	353451	13.651	ppbv	98
4) Chloromethane	1.531	50	111684	13.889	ppbv	96
5) Vinyl Chloride	1.577	62	98596	12.410	ppbv	96
6) Bromomethane	1.667	94	44144	14.372	ppbv	92
7) Chloroethane	1.703	64	40909	13.327	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	229298	14.028	ppbv	99
9) Propene	1.483	41	129069	13.716	ppbv	99
10) Heptane	4.972	43	368612	14.563	ppbv	99
11) Trichlorofluoromethane	1.874	101	289764	14.143	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	223552	14.358	ppbv	99
13) Ethanol	1.719	45	11145	15.142	ppbv	86
14) Bromoethene	1.780	108	77435	14.047	ppbv	98
15) Acetone	1.832	43	237665	11.449	ppbv	98
16) 1,3-Butadiene	1.606	39	118252	13.355	ppbv	99
17) tert-Butyl alcohol	2.036	59	260587	13.919	ppbv	98
18) 1,1-Dichloroethene	2.030	96	94140	13.382	ppbv	93
19) Isopropyl Alcohol	1.881	45	149463	13.549	ppbv	99
20) Methylene Chloride	2.059	84	82755	12.651	ppbv	97
21) Allyl Chloride	2.094	41	185201	14.476	ppbv	100
22) trans-1,2-Dichloroethene	2.337	96	107003	14.160	ppbv	92
23) Vinyl Acetate	2.457	43	413378	16.426	ppbv	99
24) 1,1-Dichloroethane	2.405	63	221175	14.239	ppbv	100
25) Ethyl Acetate	2.829	43	647150	14.084	ppbv	99
26) Hexane	2.819	57	279549	13.869	ppbv	99
27) Carbon Disulfide	2.146	76	260884	15.119	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	156895	16.477	ppbv	97
29) Chloroform	2.842	83	438155	14.067	ppbv	100
30) Cyclohexane	3.849	84	244116	14.280	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	293947	14.192	ppbv	98
32) 1,1,1-Trichloroethane	3.363	97	447592	13.796	ppbv	100
34) 2-Butanone	2.551	43	432873	14.297	ppbv	100
35) Carbon Tetrachloride	3.755	117	468957	14.764	ppbv	98
36) Benzene	3.651	78	577153	14.247	ppbv	99
37) 1,2-Dichloroethane	3.211	62	354637	14.533	ppbv	100
38) Trichloroethene	4.541	130	262041	13.416	ppbv	97
39) 1,2-Dichloropropane	4.305	63	211594	14.150	ppbv	99
40) 1,4-Dioxane	4.567	88	98196	13.926	ppbv #	99
41) Tetrahydrofuran	3.046	42	232393	15.278	ppbv	99
42) Bromodichloromethane	4.480	83	486831	15.303	ppbv	99
43) Methyl Methacrylate	4.868	69	231227	16.059	ppbv	98
44) 2,2,4-Trimethylpentane	4.629	57	963867	14.598	ppbv	98
45) t-1,3-Dichloropropene	6.406	75	266194	16.478	ppbv	98

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 Data File : VL042753.D
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 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

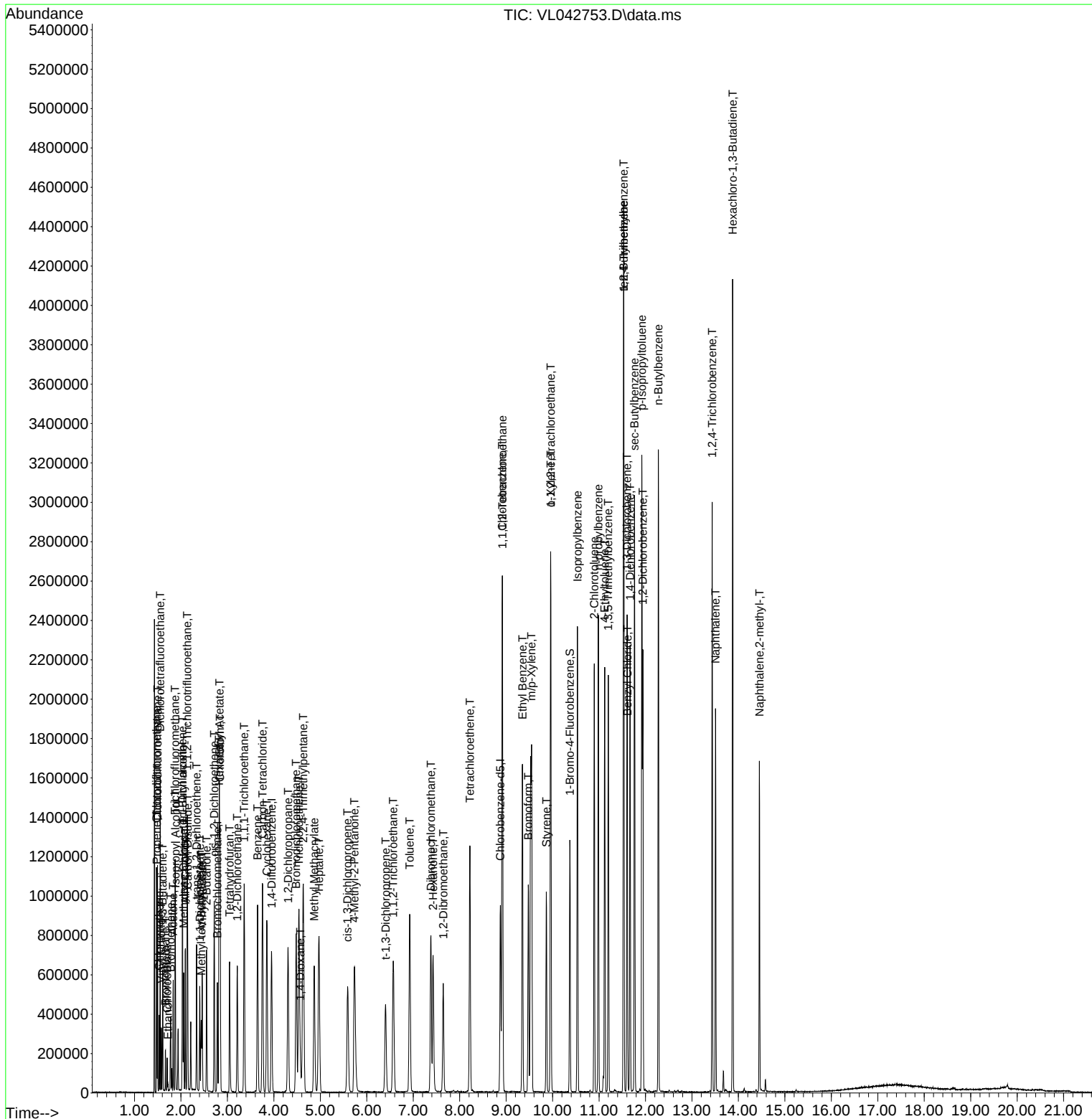
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

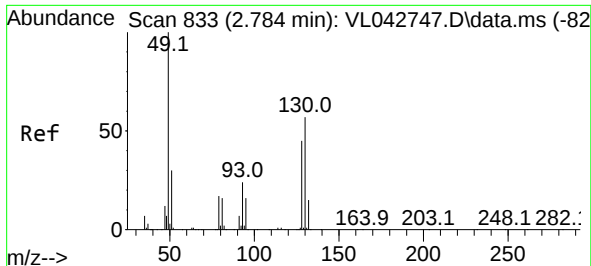
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	329850	16.115	ppbv	99
47) 1,1,2-Trichloroethane	6.567	97	228492	14.335	ppbv	96
48) Dibromochloromethane	7.380	129	397179	15.695	ppbv	99
49) Bromoform	9.477	173	352050	15.955	ppbv	97
50) 4-Methyl-2-Pentanone	5.732	43	594973	15.427	ppbv	100
51) 2-Hexanone	7.428	43	485325	16.467	ppbv #	100
52) Tetrachloroethene	8.221	164	217184	12.899	ppbv	95
53) Toluene	6.923	91	670142	15.405	ppbv	99
54) 1,2-Dibromoethane	7.645	107	338867	15.019	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.920	131	293384	14.648	ppbv	99
57) Chlorobenzene	8.917	112	522894	14.025	ppbv	98
58) Ethyl Benzene	9.351	91	940159	15.454	ppbv	99
59) m/p-Xylene	9.545	91	766284	15.756	ppbv #	34
60) o-Xylene	9.959	91	730161	15.030	ppbv	100
61) Styrene	9.866	104	343429	16.805	ppbv	100
62) Isopropylbenzene	10.536	105	1078393	15.049	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	419734	13.261	ppbv	98
64) n-propylbenzene	10.985	120	286724	15.348	ppbv	97
65) tert-Butylbenzene	11.529	119	954459	14.995	ppbv	98
66) Benzyl Chloride	11.610	91	94218	18.031	ppbv	98
67) sec-Butylbenzene	11.762	105	1327393	14.662	ppbv	99
69) p-Isopropyltoluene	11.921	119	1149418	15.571	ppbv	99
70) n-Butylbenzene	12.277	91	1152207	16.159	ppbv	100
71) 2-Chlorotoluene	10.898	91	838335	15.257	ppbv	99
72) 4-Ethyltoluene	11.121	105	918453	15.830	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	763212	15.977	ppbv	100
74) 1,2,4-Trimethylbenzene	11.532	105	827222	15.873	ppbv	97
75) 1,3-Dichlorobenzene	11.604	146	539284	14.761	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	542998	15.188	ppbv	100
77) 1,2-Dichlorobenzene	11.943	146	516714	14.390	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	432138	13.296	ppbv	99
79) Naphthalene	13.507	128	876734	15.265	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	456529	15.438	ppbv	98
81) 1,2,4-Trichlorobenzene	13.436	180	490575	15.200	ppbv	99

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

Quant Time: Jul 24 05:00:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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QLast Update : Thu Jul 24 04:55:41 2025
Response via : Initial Calibration

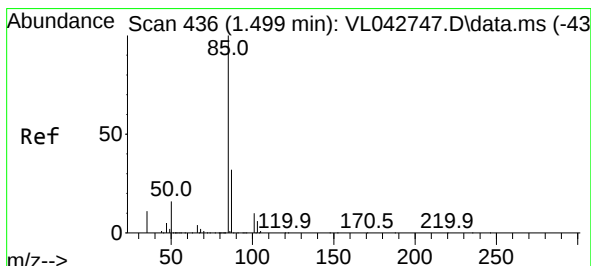
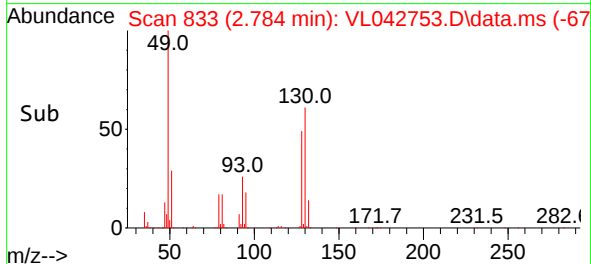
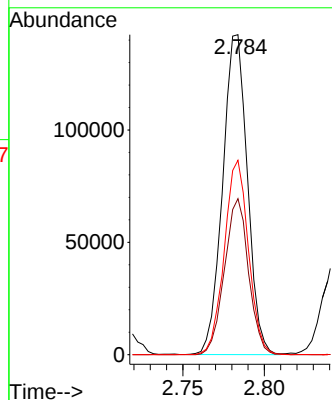
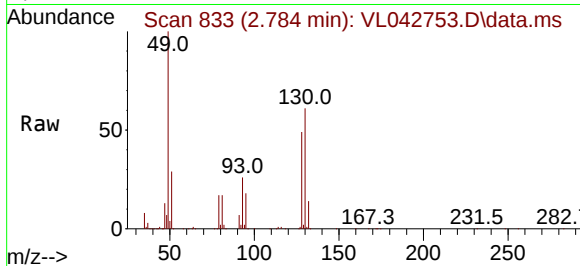




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

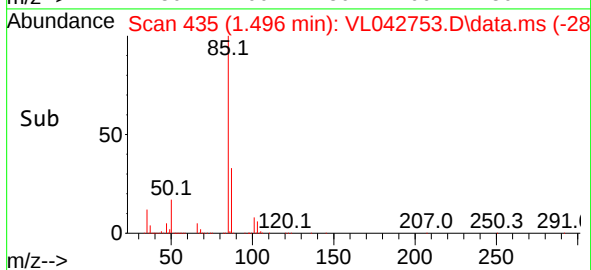
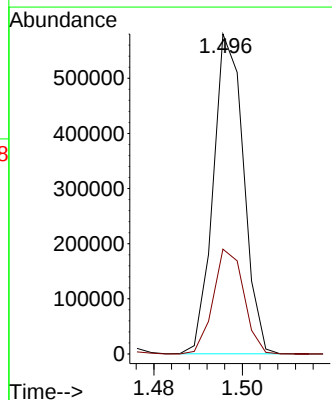
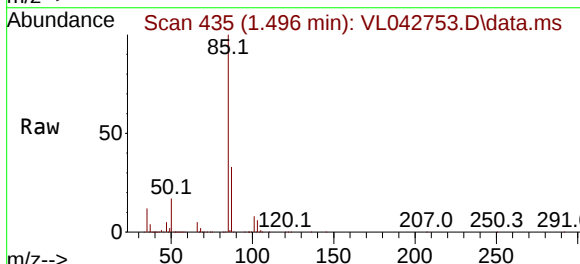
Instrument :
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 ClientSampleId :
 VSTDIC015

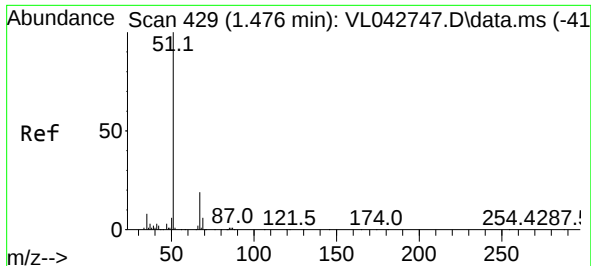
Tgt Ion: 49 Resp: 150331
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.6 71.0
 130 59.2 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 13.938 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 277045
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.4 38.2

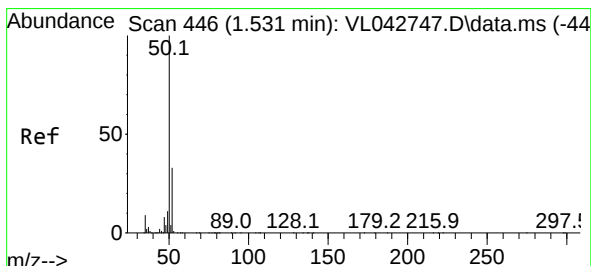
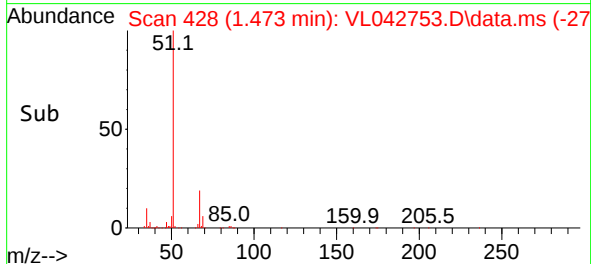
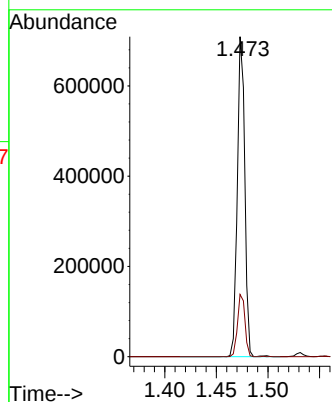
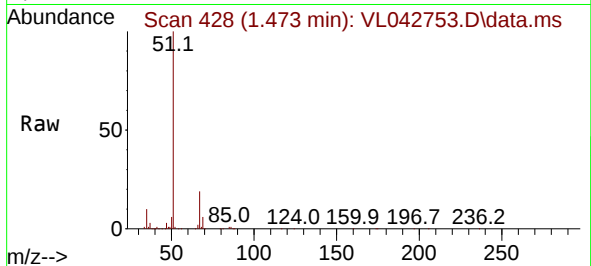




#3
Chlorodifluoromethane
Concen: 13.651 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

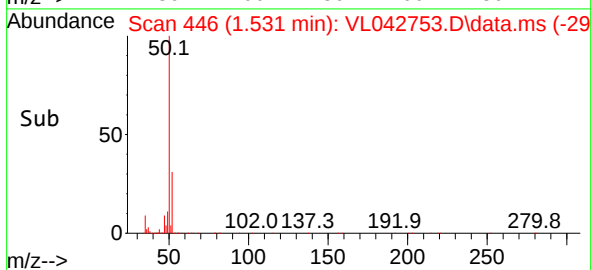
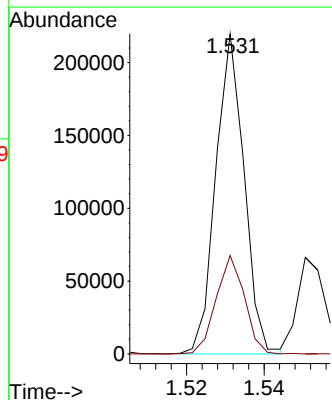
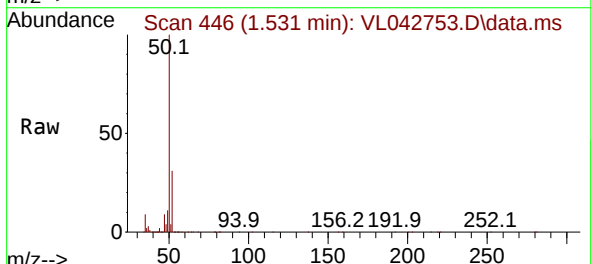
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ClientSampleId :
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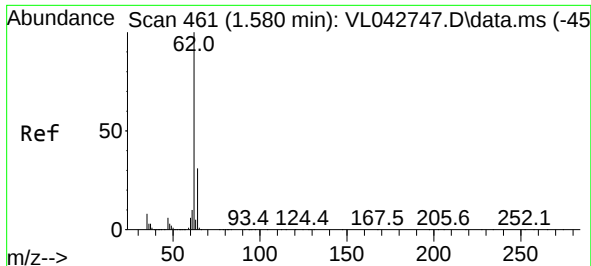
Tgt Ion: 51 Resp: 353451
Ion Ratio Lower Upper
51 100
67 19.6 15.0 22.6



#4
Chloromethane
Concen: 13.889 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 50 Resp: 111684
Ion Ratio Lower Upper
50 100
52 30.8 26.6 40.0

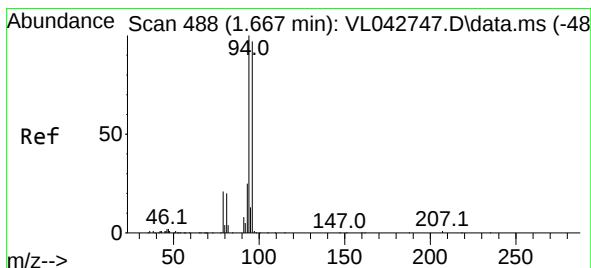
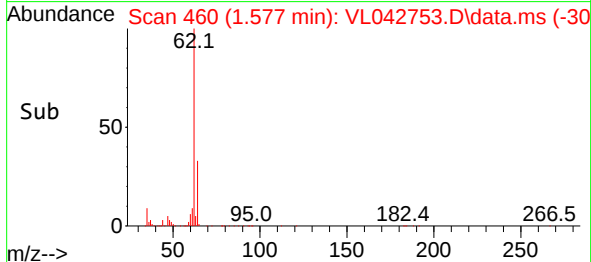
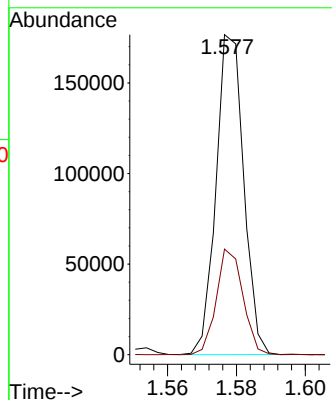
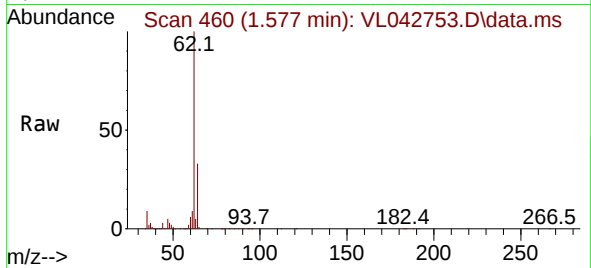




#5
 Vinyl Chloride
 Concen: 12.410 ppbv
 RT: 1.577 min Scan# 461
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

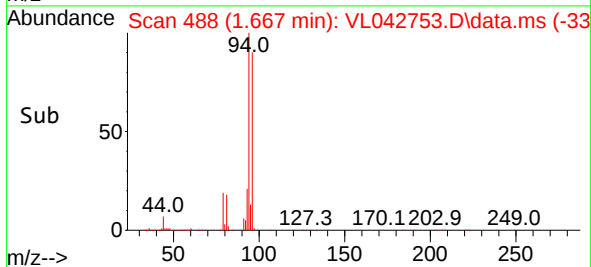
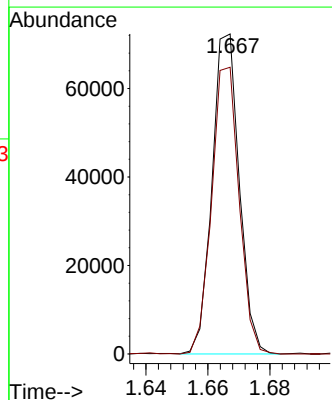
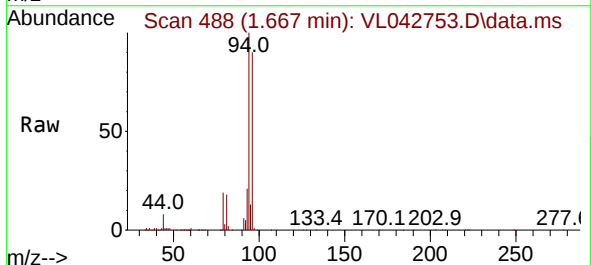
Instrument :
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 ClientSampleId :
 VSTDIC015

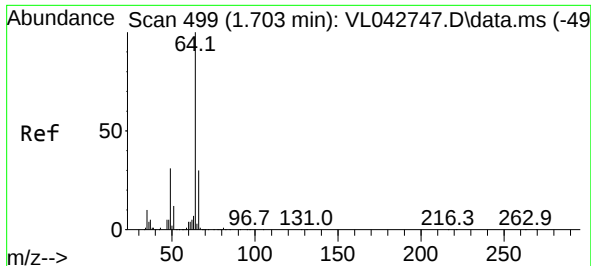
Tgt Ion: 62 Resp: 98596
 Ion Ratio Lower Upper
 62 100
 64 33.0 24.5 36.7



#6
 Bromomethane
 Concen: 14.372 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Tgt Ion: 94 Resp: 44144
 Ion Ratio Lower Upper
 94 100
 96 89.6 77.6 116.4

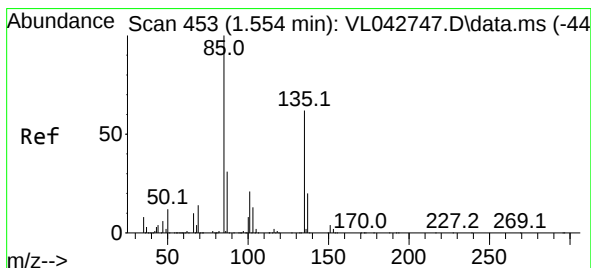
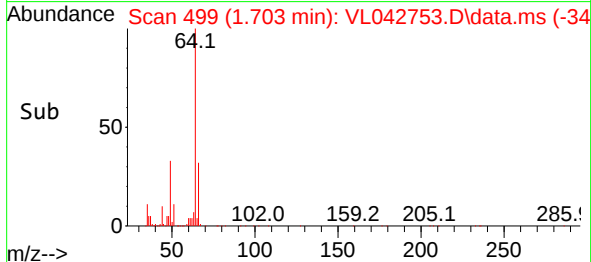
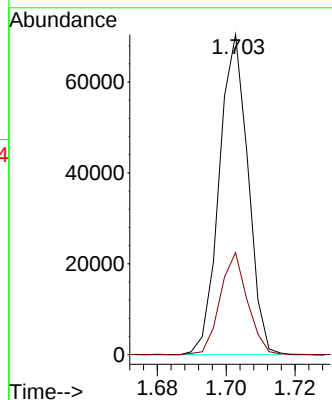
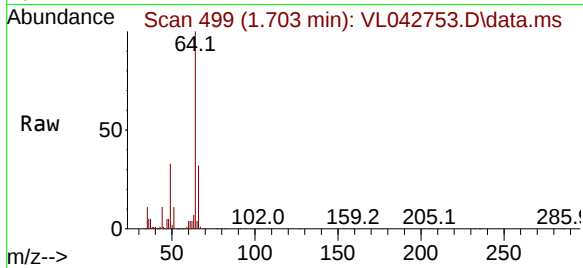




#7
Chloroethane
Concen: 13.327 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

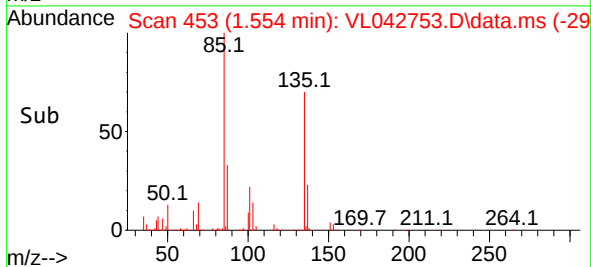
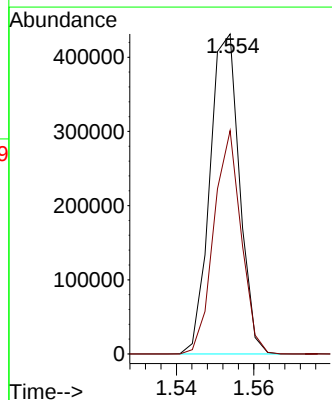
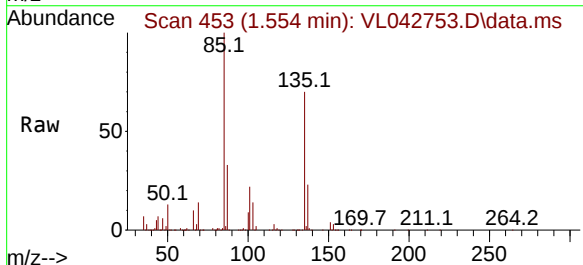
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ClientSampleId :
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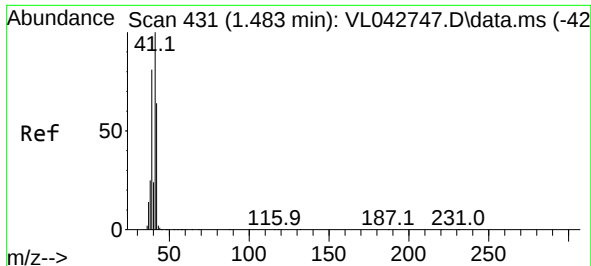
Tgt Ion: 64 Resp: 40909
Ion Ratio Lower Upper
64 100
66 31.9 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 14.028 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 85 Resp: 229298
Ion Ratio Lower Upper
85 100
135 64.4 50.6 76.0

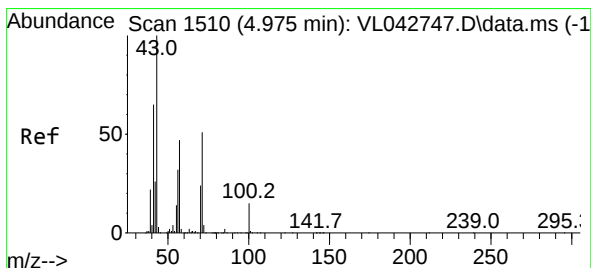
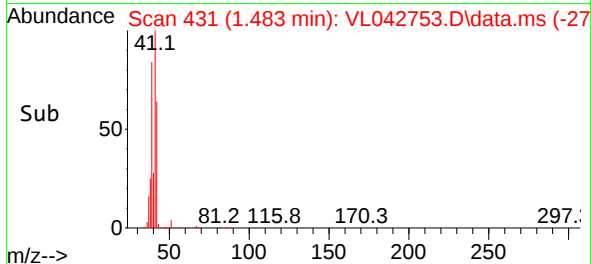
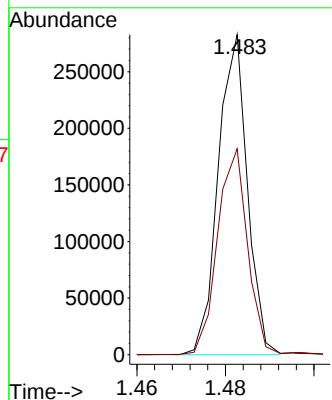
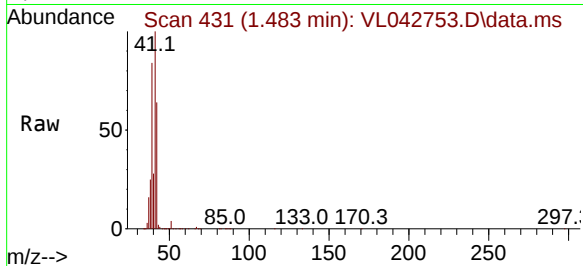




#9
Propene
Concen: 13.716 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

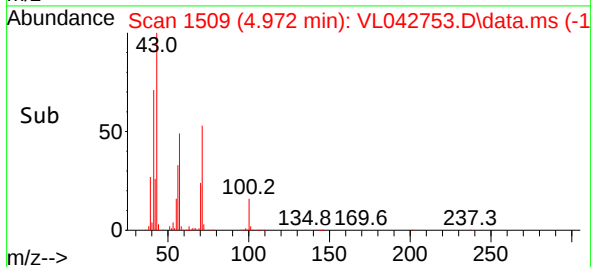
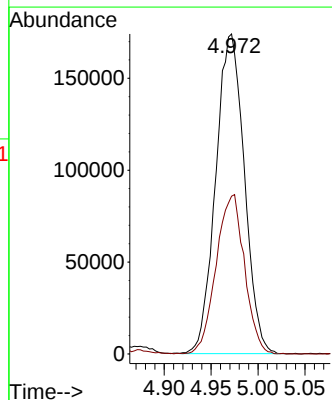
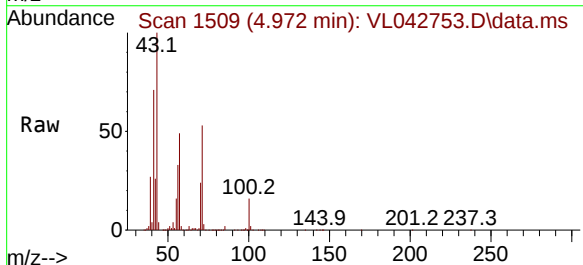
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

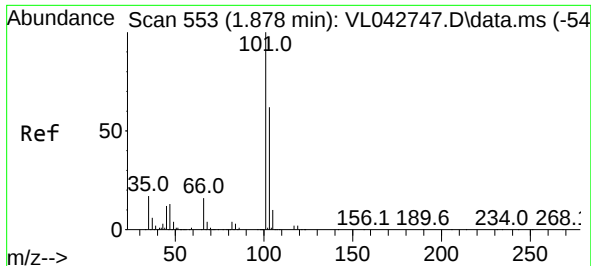
Tgt Ion: 41 Resp: 129069
Ion Ratio Lower Upper
41 100
42 67.0 53.2 79.8



#10
Heptane
Concen: 14.563 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 368612
Ion Ratio Lower Upper
43 100
57 49.4 39.9 59.9

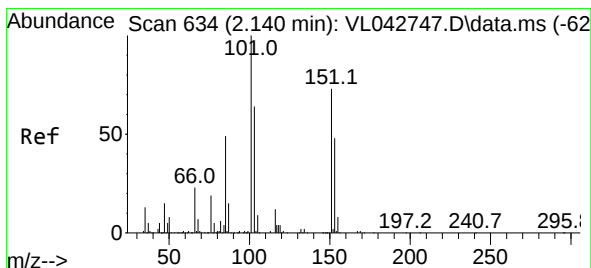
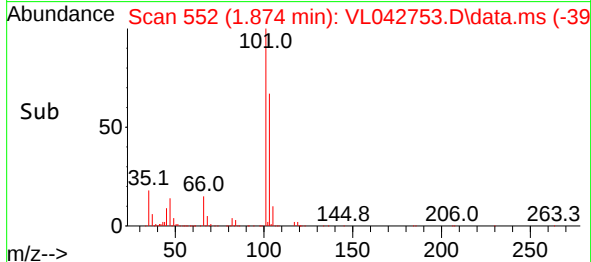
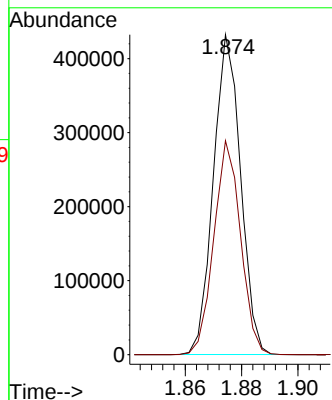
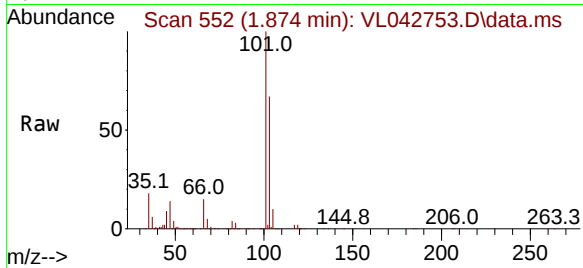




#11
Trichlorofluoromethane
Concen: 14.143 ppbv
RT: 1.874 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

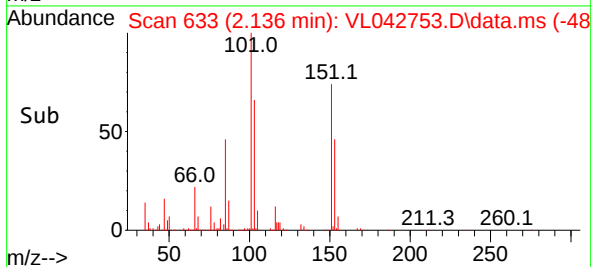
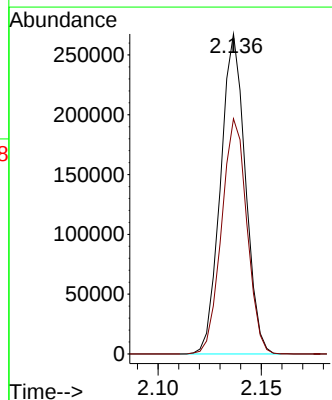
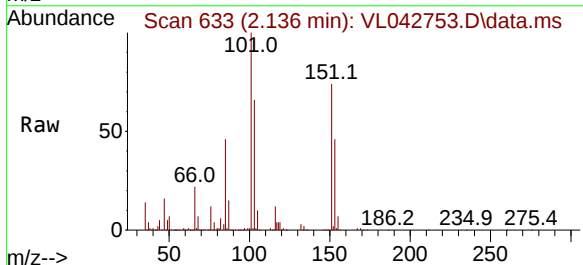
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

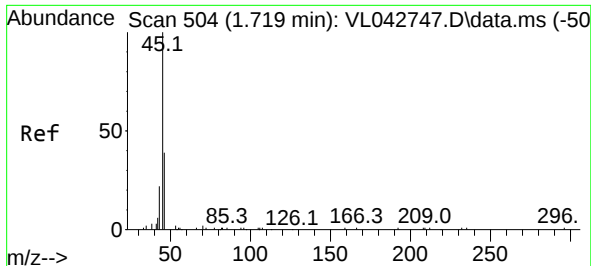
Tgt Ion:101 Resp: 289764
Ion Ratio Lower Upper
101 100
103 66.8 49.6 74.4



#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.358 ppbv
RT: 2.136 min Scan# 633
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:101 Resp: 223552
Ion Ratio Lower Upper
101 100
151 74.9 60.5 90.7

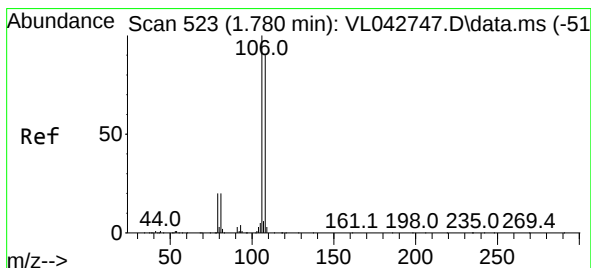
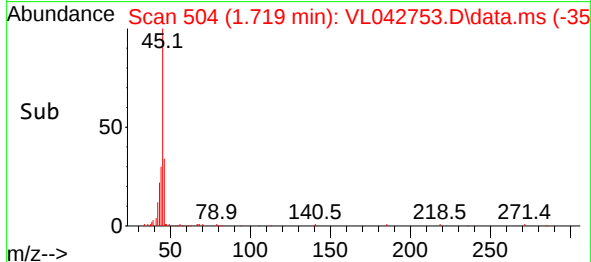
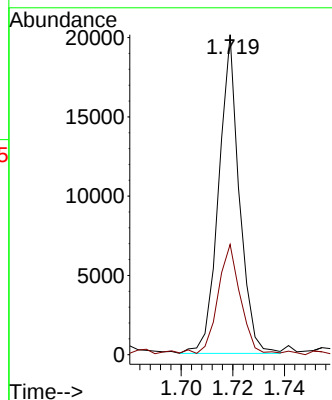
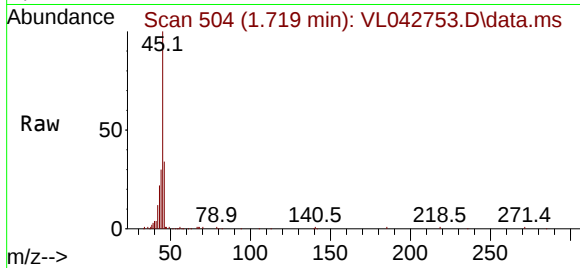




#13
Ethanol
Concen: 15.142 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

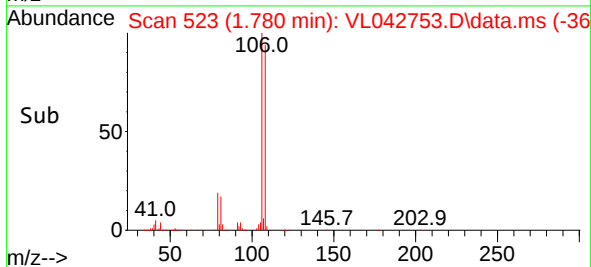
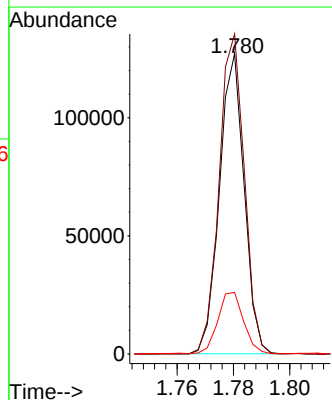
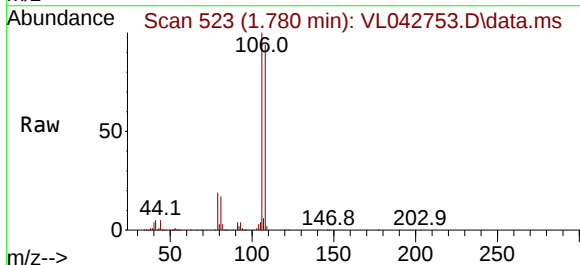
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

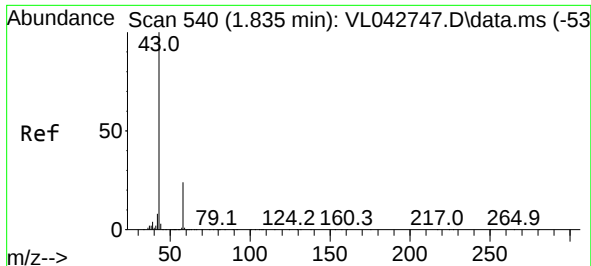
Tgt Ion: 45 Resp: 11145
Ion Ratio Lower Upper
45 100
46 35.4 17.8 71.4



#14
Bromoethene
Concen: 14.047 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 108 Resp: 77435
Ion Ratio Lower Upper
108 100
106 108.5 84.7 127.1
79 22.3 17.4 26.2

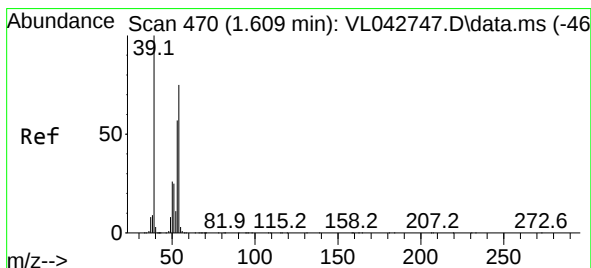
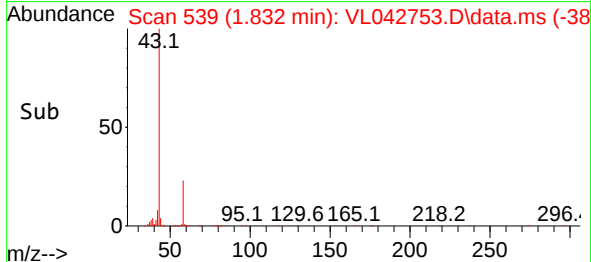
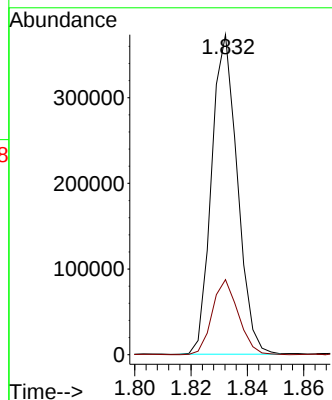
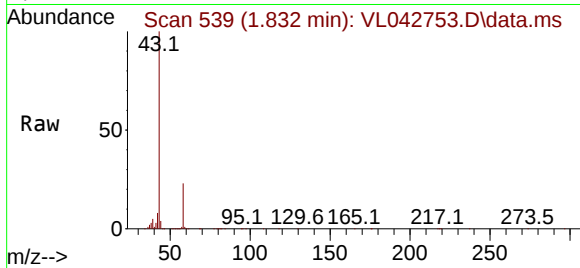




#15
Acetone
Concen: 11.449 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

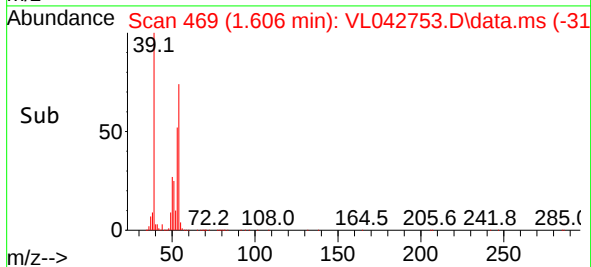
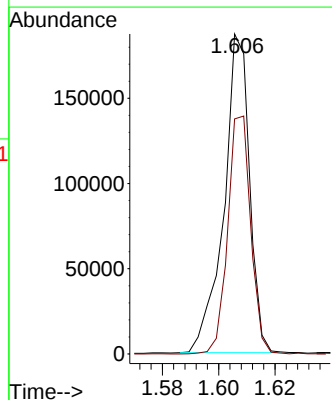
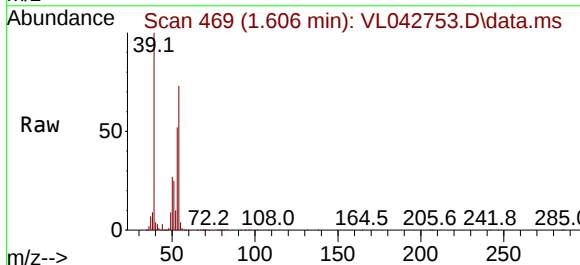
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

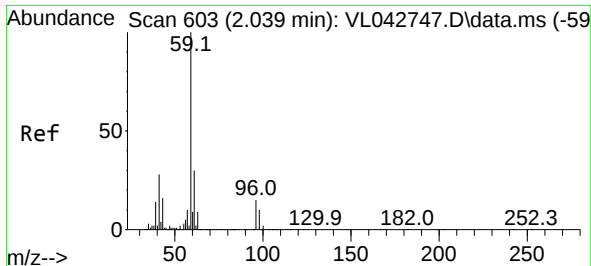
Tgt Ion: 43 Resp: 237665
Ion Ratio Lower Upper
43 100
58 24.0 19.8 29.8



#16
1,3-Butadiene
Concen: 13.355 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 39 Resp: 118252
Ion Ratio Lower Upper
39 100
54 67.5 54.5 81.7





#17

tert-Butyl alcohol

Concen: 13.919 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

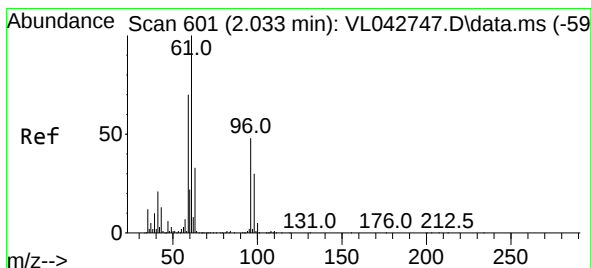
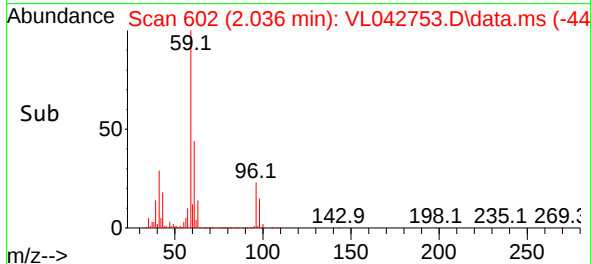
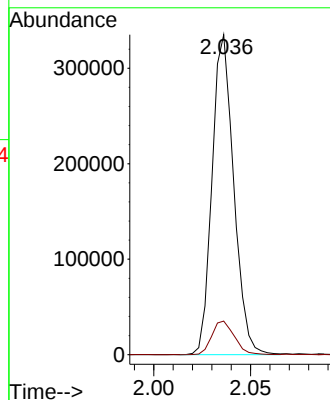
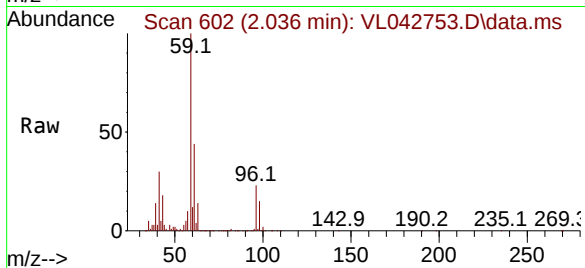
VSTDIC015

Tgt Ion: 59 Resp: 260587

Ion Ratio Lower Upper

59 100

57 11.1 8.3 12.5



#18

1,1-Dichloroethene

Concen: 13.382 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

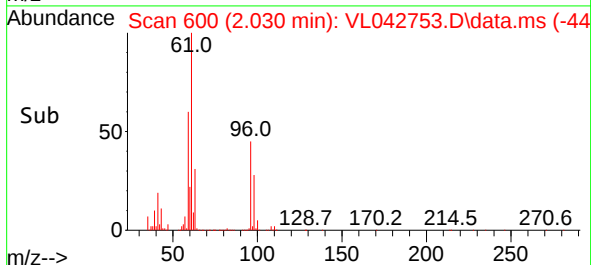
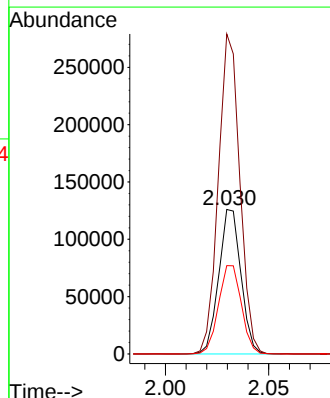
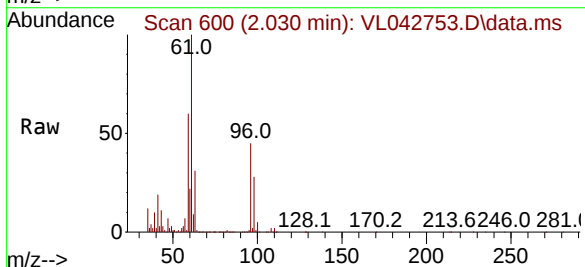
Tgt Ion: 96 Resp: 94140

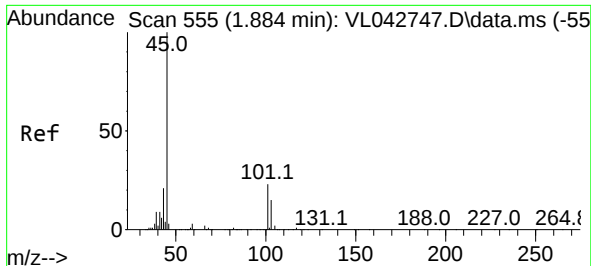
Ion Ratio Lower Upper

96 100

61 221.6 165.8 248.6

98 61.2 49.9 74.9

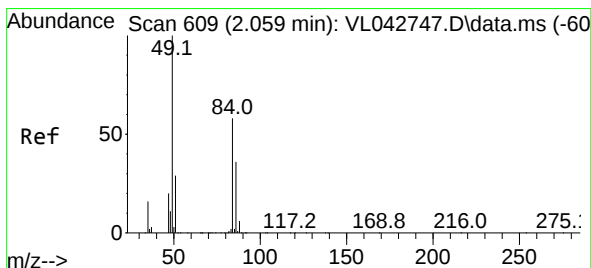
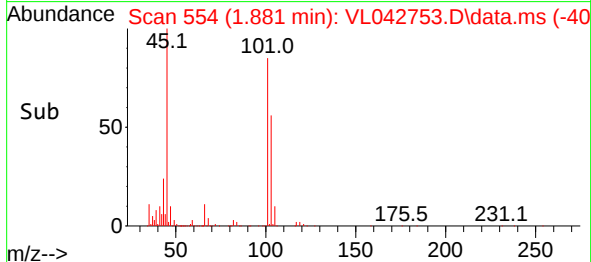
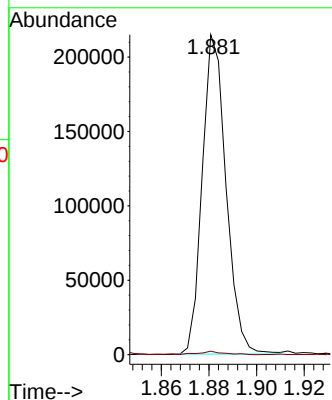
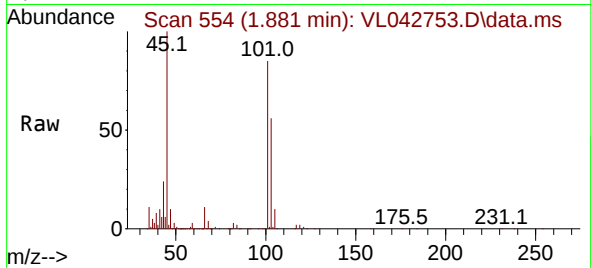




#19
Isopropyl Alcohol
Concen: 13.549 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

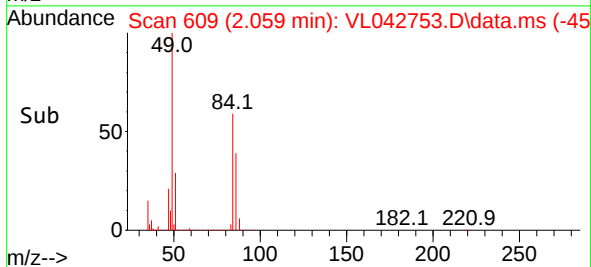
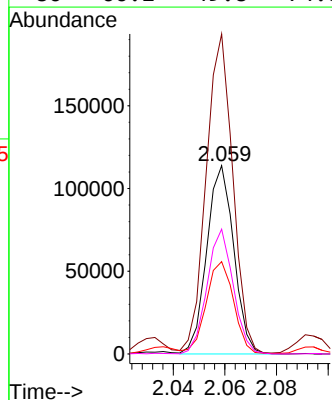
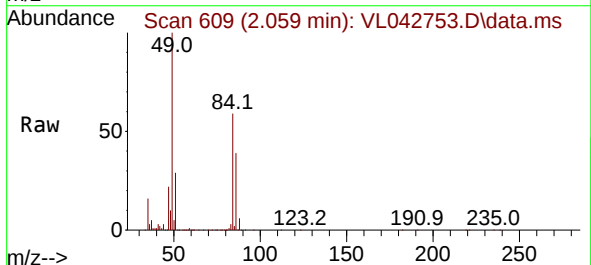
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

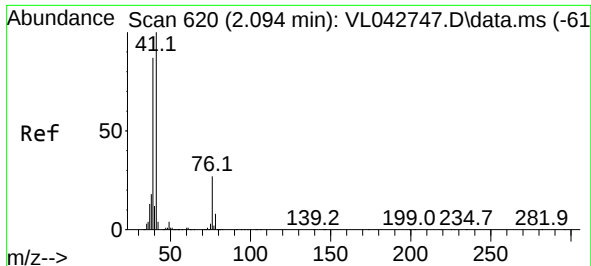
Tgt Ion: 45 Resp: 149463
Ion Ratio Lower Upper
45 100
58 38.1 30.0 45.0



#20
Methylene Chloride
Concen: 12.651 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 84 Resp: 82755
Ion Ratio Lower Upper
84 100
49 169.2 138.6 208.0
51 48.6 40.6 61.0
86 66.2 49.8 74.8

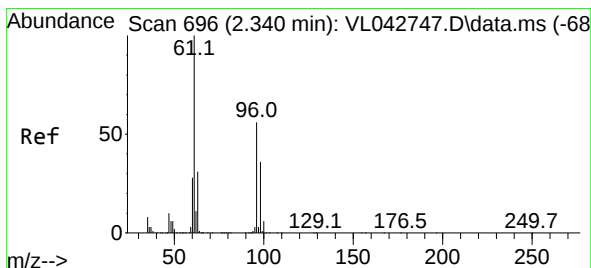
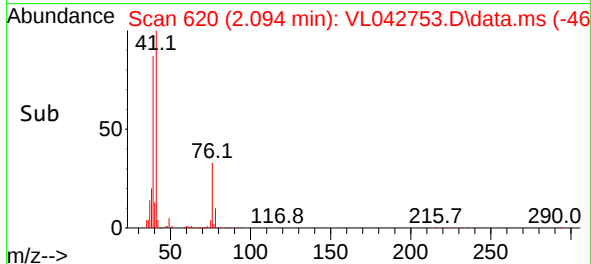
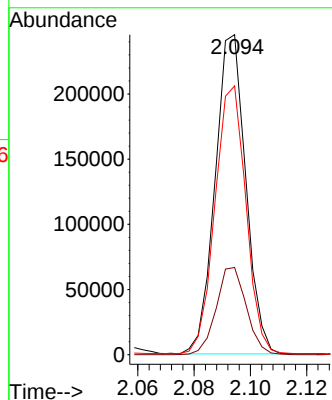
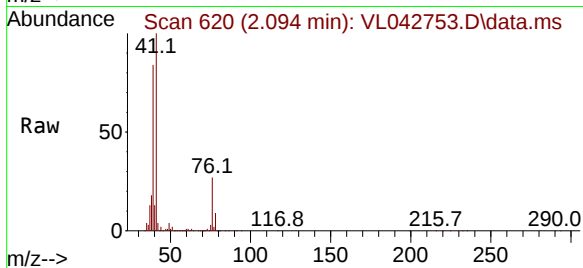




#21
 Allyl Chloride
 Concen: 14.476 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

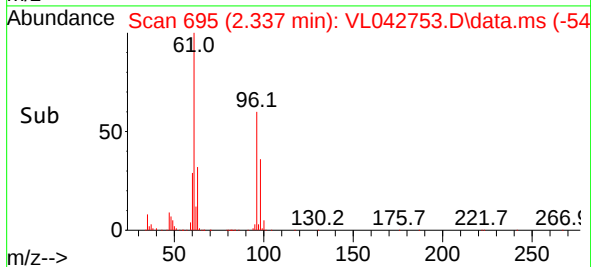
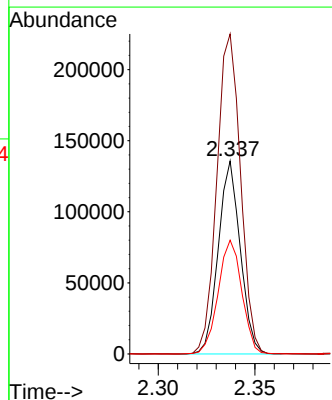
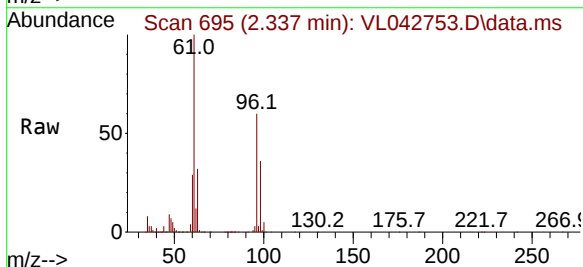
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

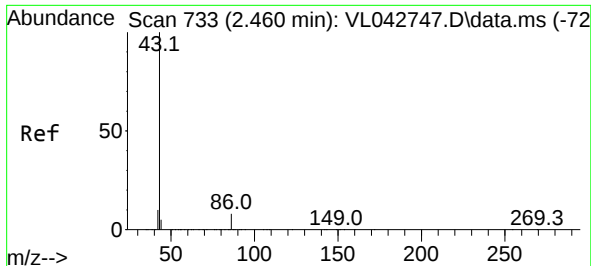
Tgt Ion: 41 Resp: 185201
 Ion Ratio Lower Upper
 41 100
 76 26.9 21.1 31.7
 39 85.2 68.3 102.5



#22
 trans-1,2-Dichloroethene
 Concen: 14.160 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Tgt Ion: 96 Resp: 107003
 Ion Ratio Lower Upper
 96 100
 61 165.9 142.3 213.5
 98 59.0 50.6 76.0



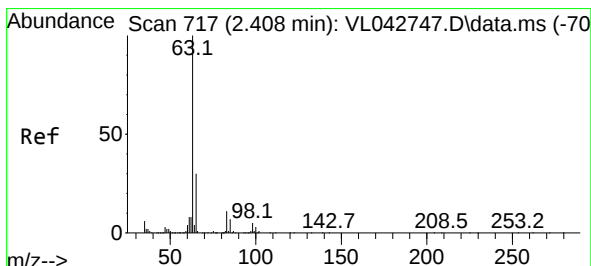
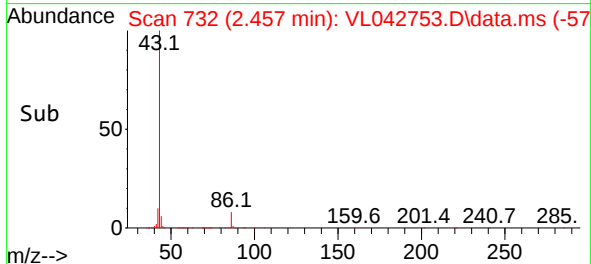
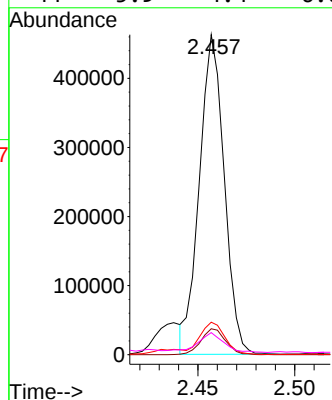
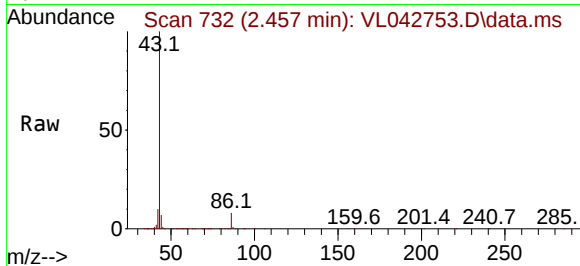


#23
 Vinyl Acetate
 Concen: 16.426 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 413378

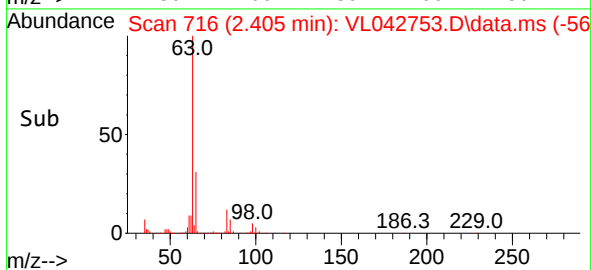
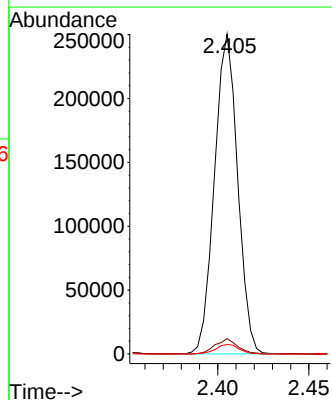
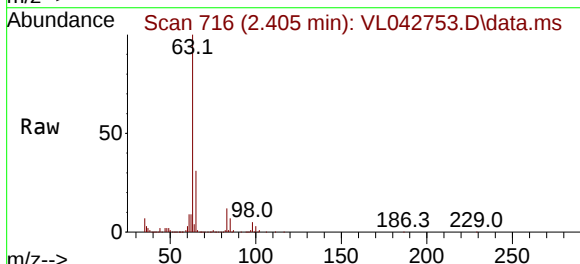
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.1	9.1
42	10.1	7.8	11.8
44	5.9	4.4	6.6

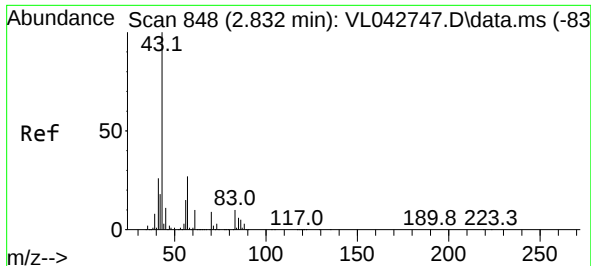


#24
 1,1-Dichloroethane
 Concen: 14.239 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Tgt Ion: 63 Resp: 221175

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.4
100	2.9	1.6	4.8

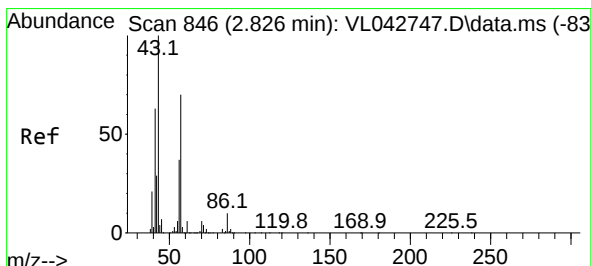
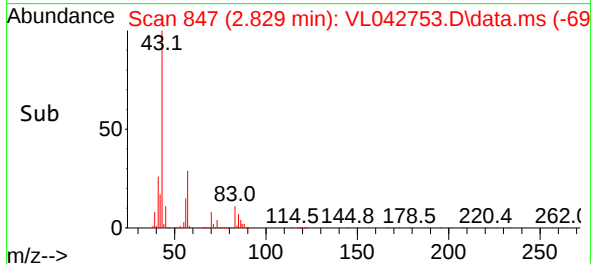
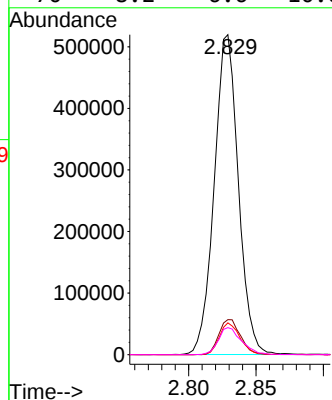
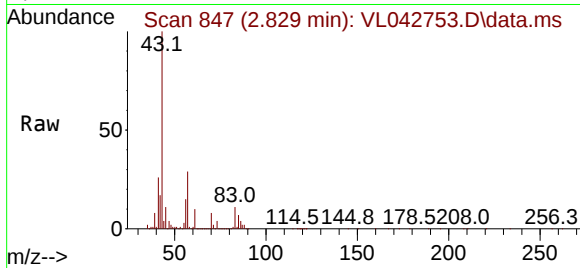




#25
Ethyl Acetate
Concen: 14.084 ppbv
RT: 2.829 min Scan# 84
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

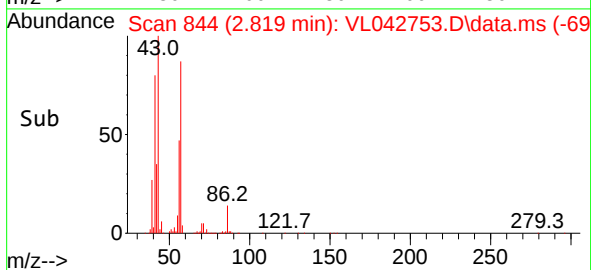
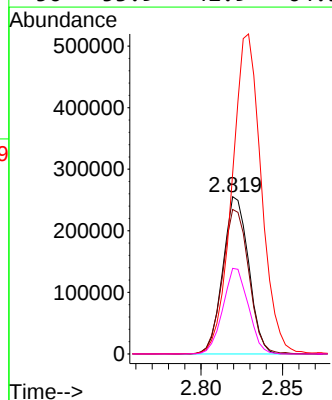
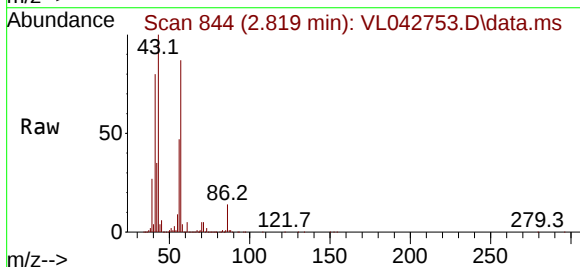
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

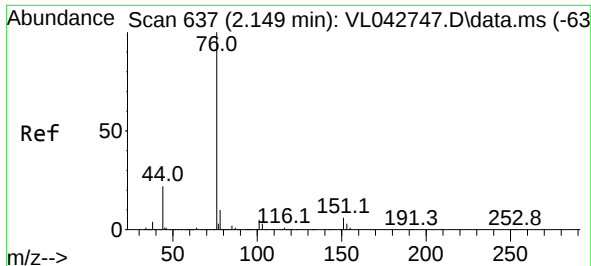
Tgt Ion: 43	Resp: 647150
Ion Ratio	Lower Upper
43 100	
45 10.0	7.8 11.6
61 8.6	6.7 10.1
70 8.2	6.6 10.0



#26
Hexane
Concen: 13.869 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt	Ion: 57	Resp:	279549
	Ratio	Lower	Upper
57	100		
41	94.6	75.4	113.2
43	232.7	185.0	277.6
56	53.9	42.9	64.3





#27

Carbon Disulfide

Concen: 15.119 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

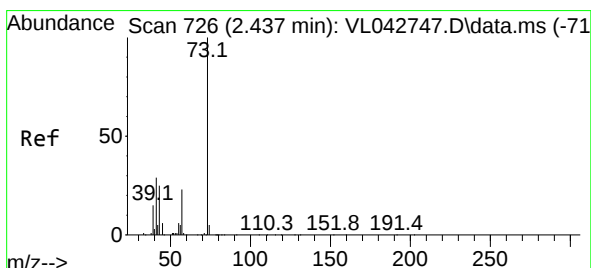
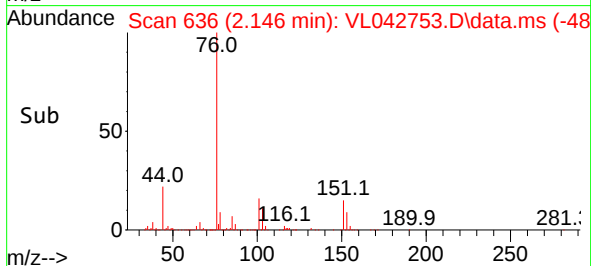
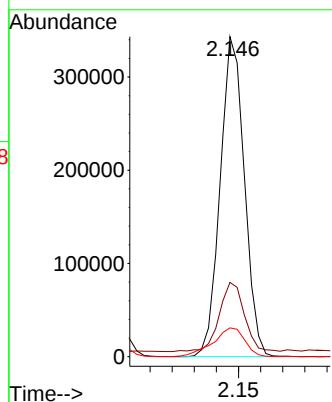
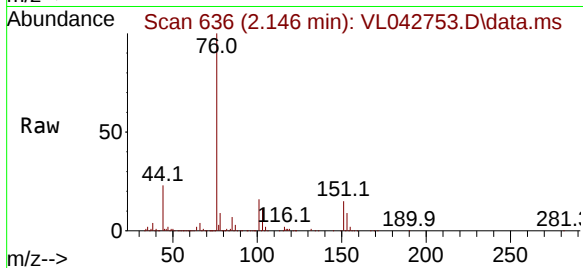
Tgt Ion: 76 Resp: 260884

Ion Ratio Lower Upper

76 100

44 23.1 19.3 28.9

78 11.9 9.9 14.9



#28

Methyl tert-Butyl Ether

Concen: 16.477 ppbv

RT: 2.437 min Scan# 726

Delta R.T. -0.000 min

Lab File: VL042753.D

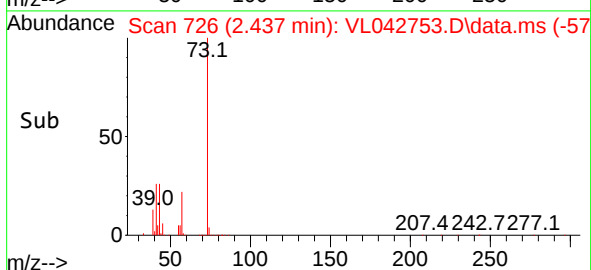
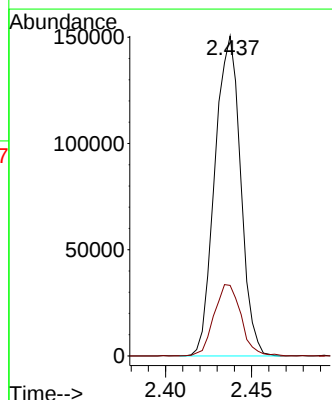
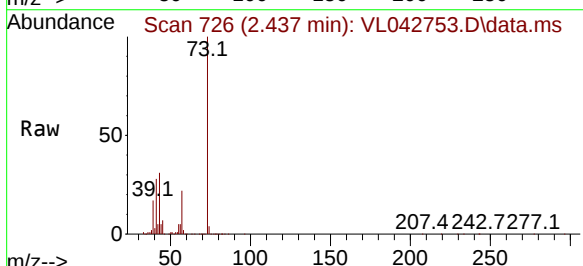
Acq: 23 Jul 2025 12:26

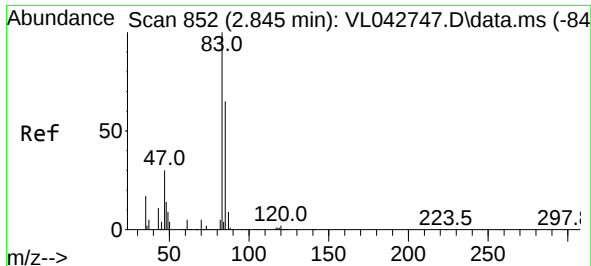
Tgt Ion: 73 Resp: 156895

Ion Ratio Lower Upper

73 100

57 23.5 19.8 29.8





#29

Chloroform

Concen: 14.067 ppbv

RT: 2.842 min Scan# 851

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

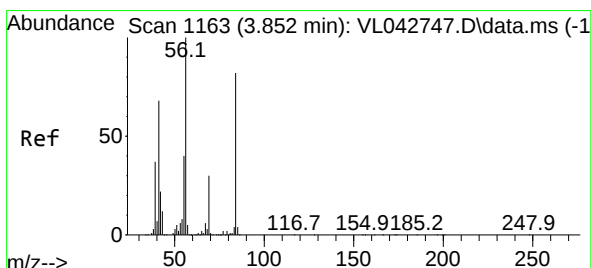
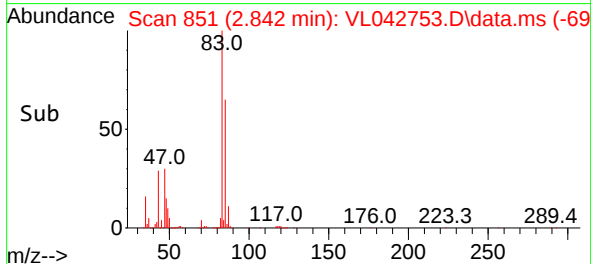
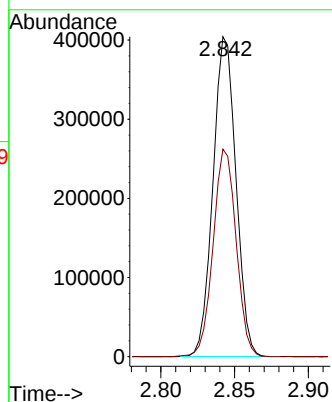
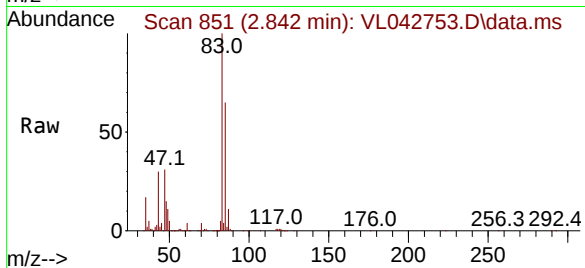
VSTDIC015

Tgt Ion: 83 Resp: 438155

Ion Ratio Lower Upper

83 100

85 64.9 52.2 78.2



#30

Cyclohexane

Concen: 14.280 ppbv

RT: 3.849 min Scan# 1162

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

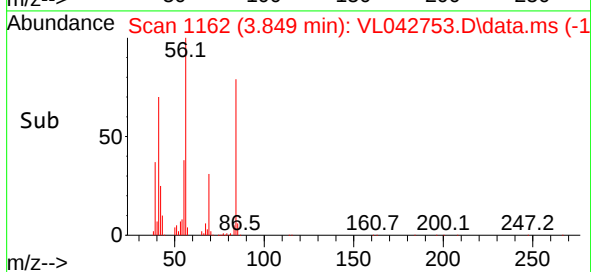
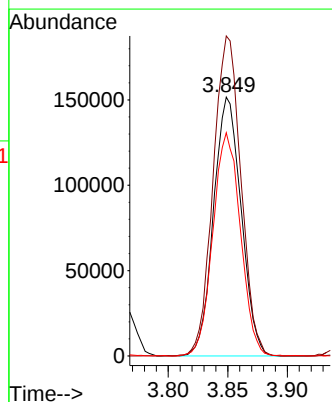
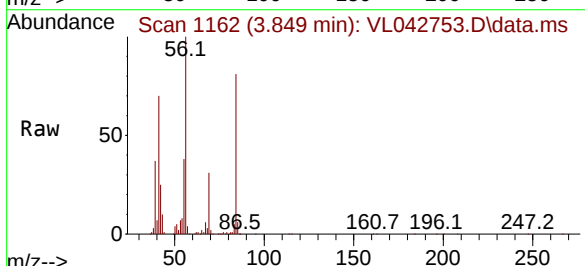
Tgt Ion: 84 Resp: 244116

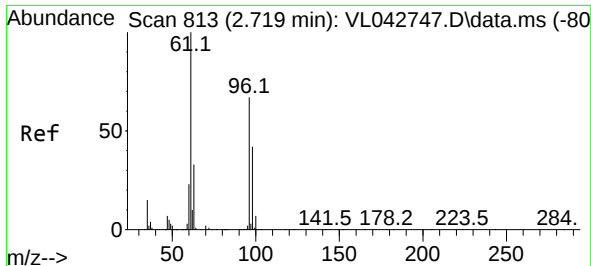
Ion Ratio Lower Upper

84 100

56 124.4 97.5 146.3

41 85.9 67.2 100.8

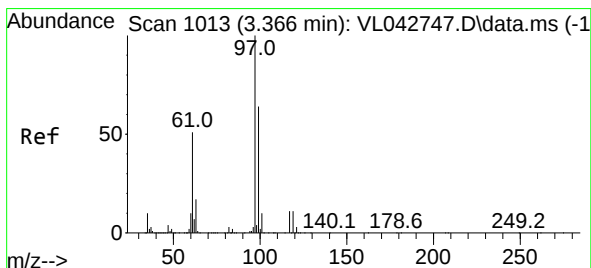
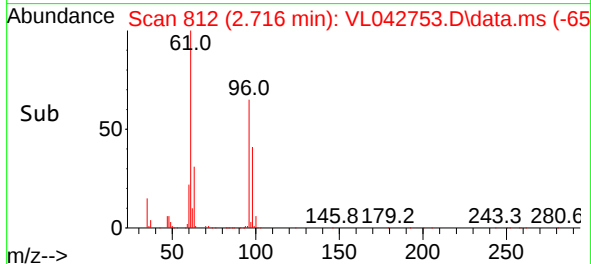
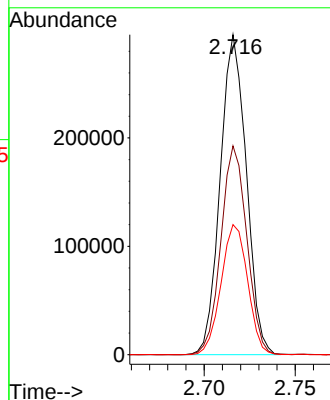
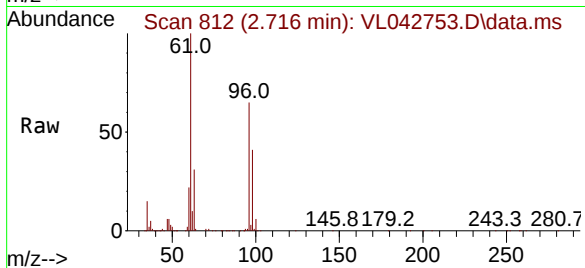




#31
 cis-1,2-Dichloroethene
 Concen: 14.192 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

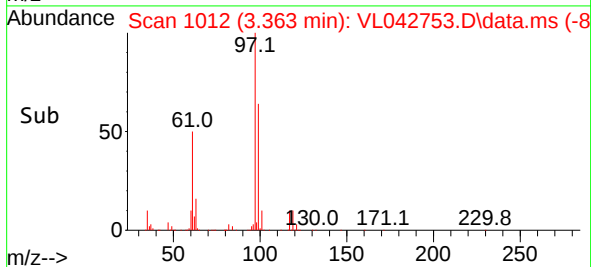
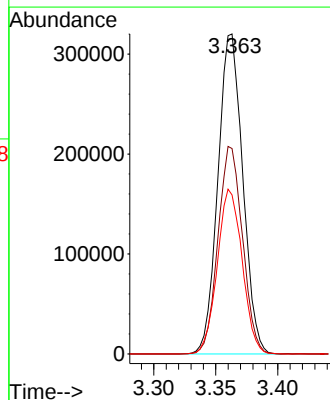
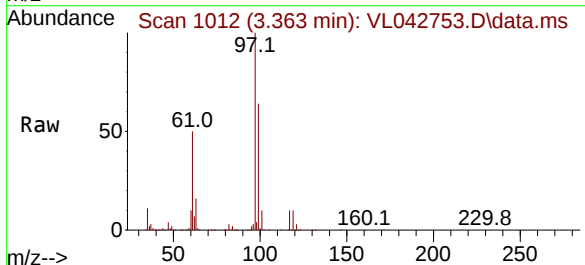
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

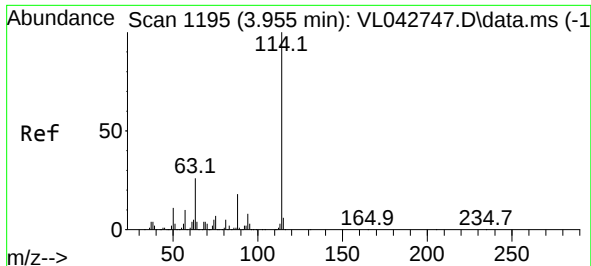
Tgt Ion: 61 Resp: 293947
 Ion Ratio Lower Upper
 61 100
 96 65.3 53.5 80.3
 98 40.7 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 13.796 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Tgt Ion: 97 Resp: 447592
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.0 76.6
 61 51.5 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

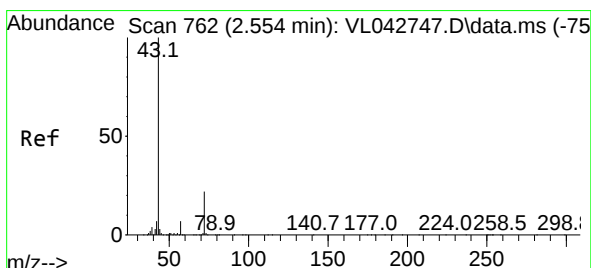
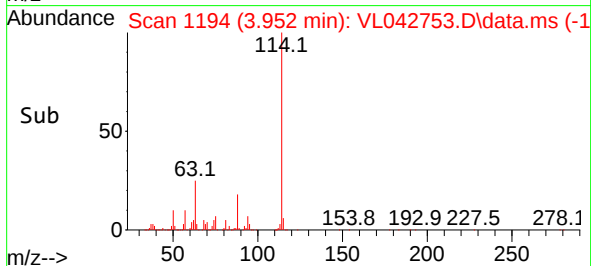
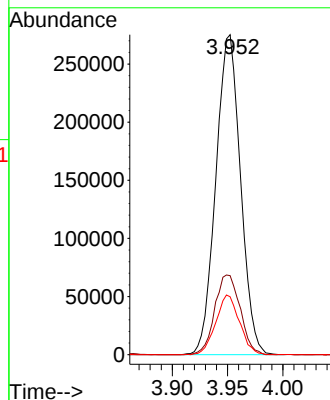
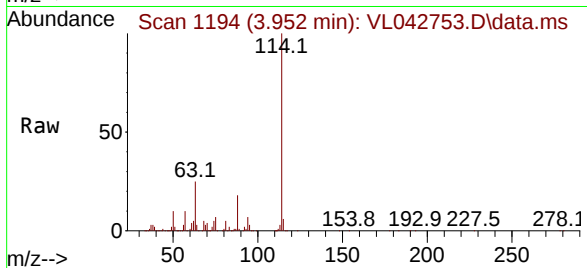
Tgt Ion:114 Resp: 427438

Ion Ratio Lower Upper

114 100

63 25.7 20.5 30.7

88 17.9 14.0 21.0



#34

2-Butanone

Concen: 14.297 ppbv

RT: 2.551 min Scan# 761

Delta R.T. -0.003 min

Lab File: VL042753.D

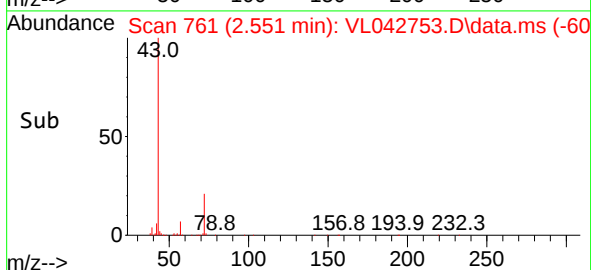
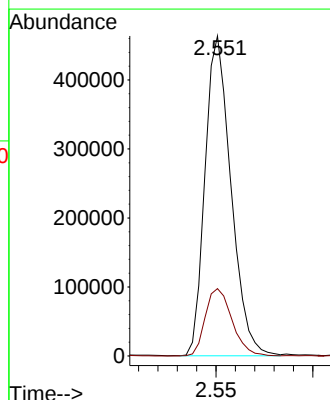
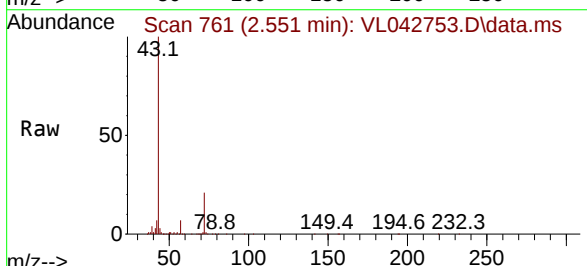
Acq: 23 Jul 2025 12:26

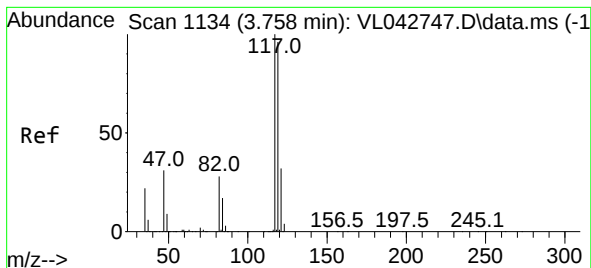
Tgt Ion: 43 Resp: 432873

Ion Ratio Lower Upper

43 100

72 21.8 17.4 26.0





#35

Carbon Tetrachloride

Concen: 14.764 ppbv

RT: 3.755 min Scan# 1133

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

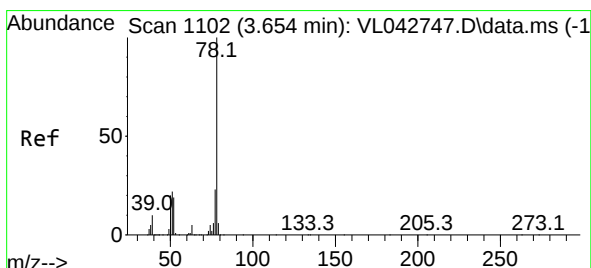
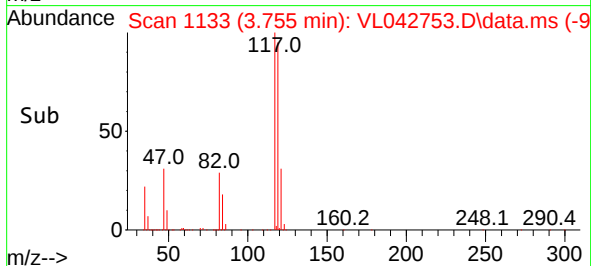
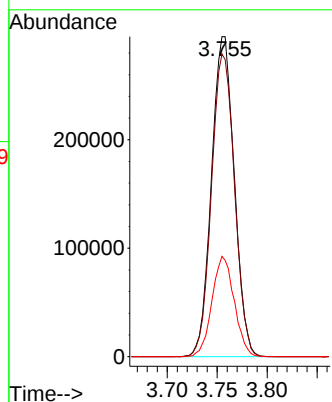
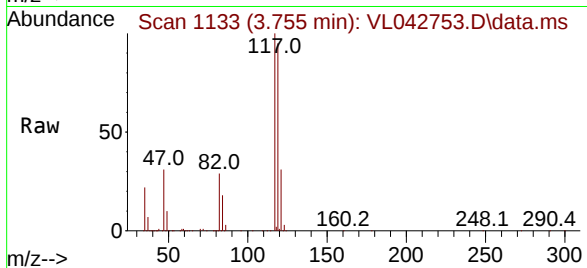
Tgt Ion:117 Resp: 468957

Ion Ratio Lower Upper

117 100

119 94.6 77.1 115.7

121 31.4 25.5 38.3



#36

Benzene

Concen: 14.247 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

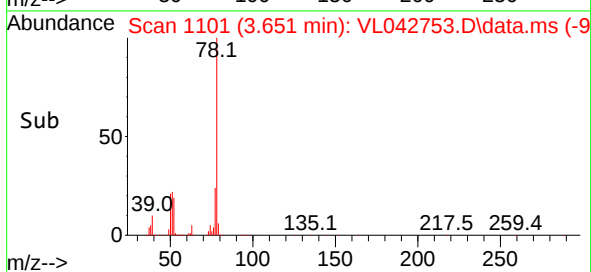
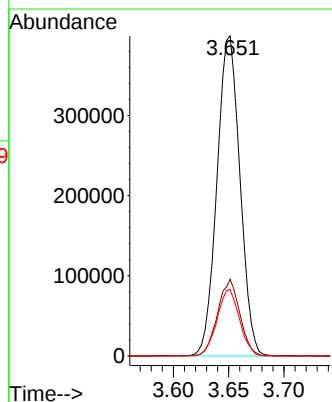
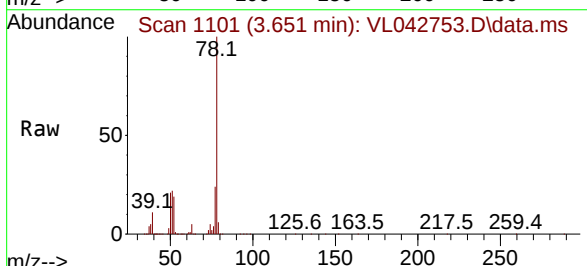
Tgt Ion: 78 Resp: 577153

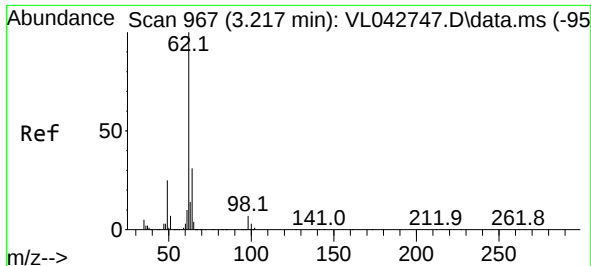
Ion Ratio Lower Upper

78 100

77 23.9 18.5 27.7

50 20.7 16.2 24.2





#37

1,2-Dichloroethane

Concen: 14.533 ppbv

RT: 3.211 min Scan# 9

Delta R.T. -0.006 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

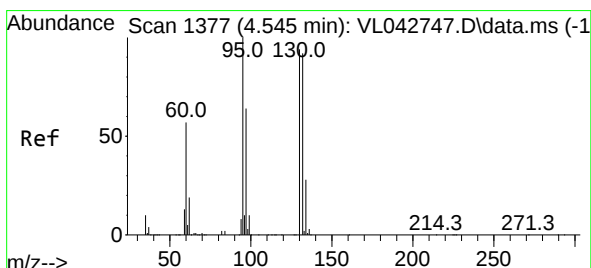
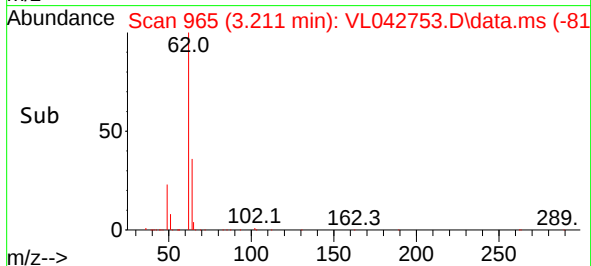
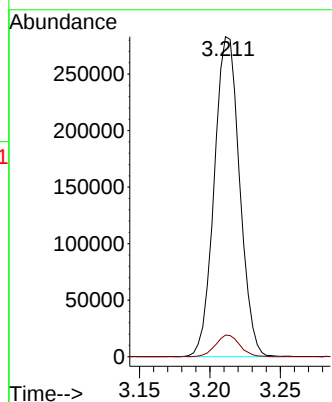
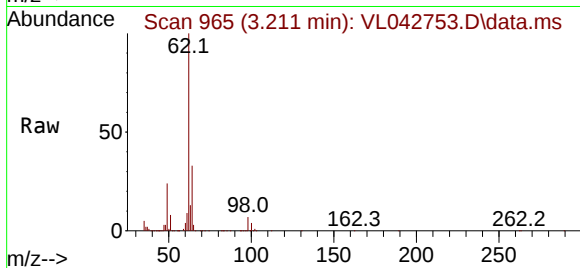
VSTDIC015

Tgt Ion: 62 Resp: 354637

Ion Ratio Lower Upper

62 100

98 6.5 5.2 7.8



#38

Trichloroethene

Concen: 13.416 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion:130 Resp: 262041

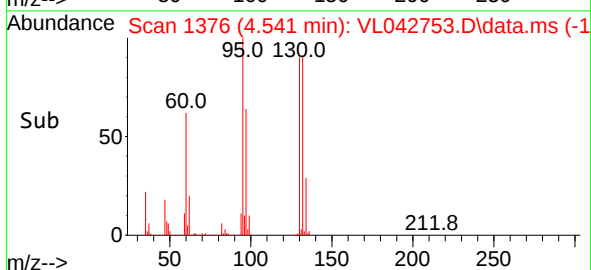
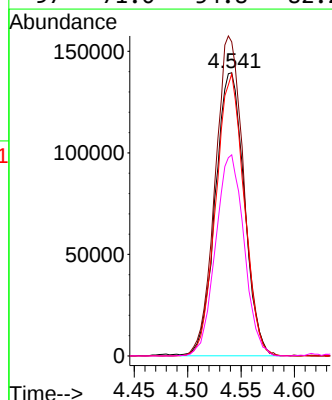
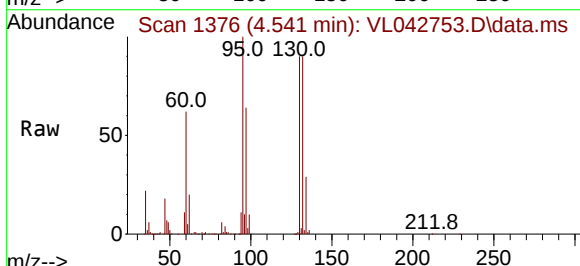
Ion Ratio Lower Upper

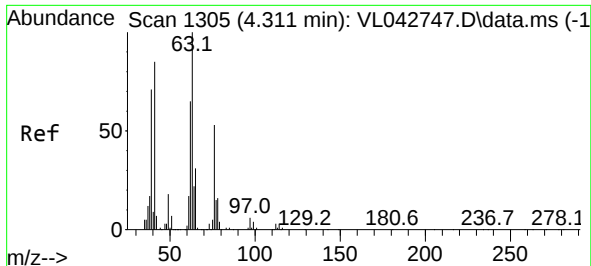
130 100

95 110.8 85.4 128.2

132 99.5 78.2 117.2

97 71.0 54.8 82.2





#39

1,2-Dichloropropane

Concen: 14.150 ppbv

RT: 4.305 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

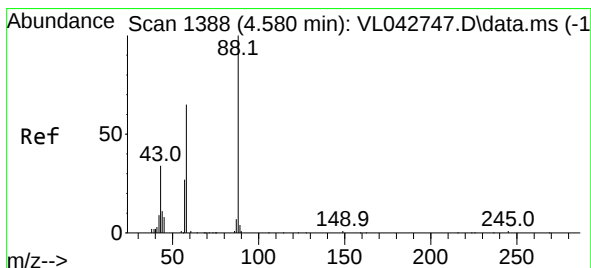
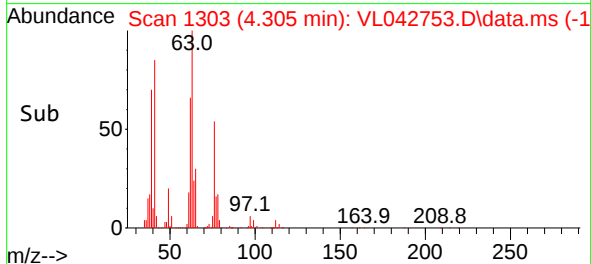
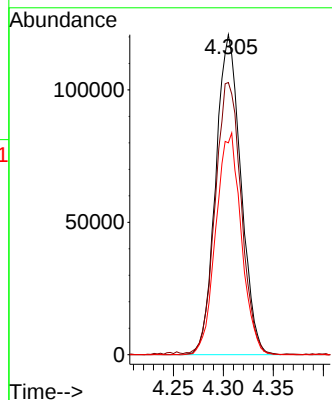
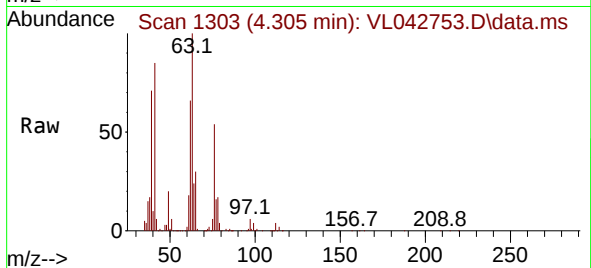
Tgt Ion: 63 Resp: 211594

Ion Ratio Lower Upper

63 100

41 85.0 68.2 102.4

62 66.2 52.0 78.0



#40

1,4-Dioxane

Concen: 13.926 ppbv

RT: 4.567 min Scan# 1384

Delta R.T. -0.013 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion: 88 Resp: 98196

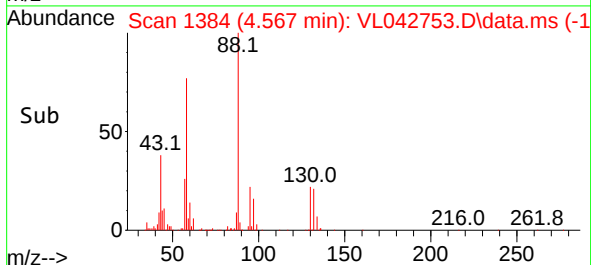
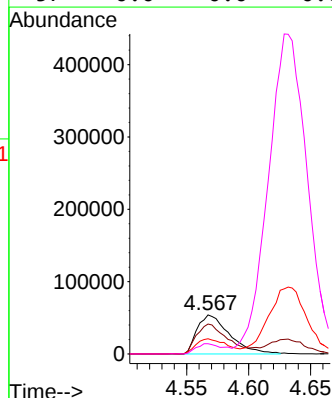
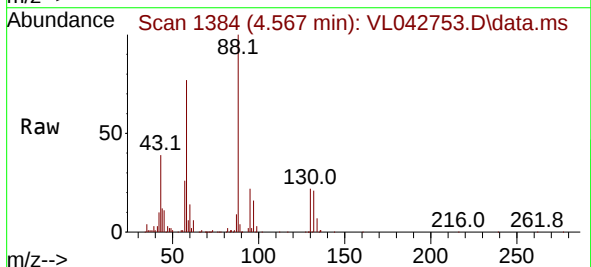
Ion Ratio Lower Upper

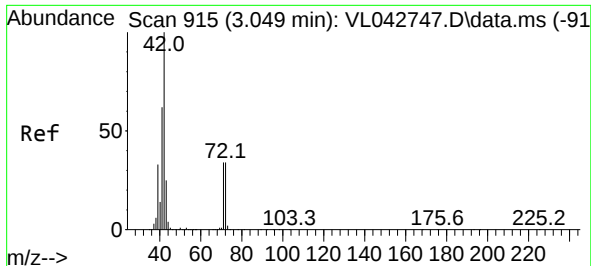
88 100

58 71.9 58.8 88.2

43 35.8 28.9 43.3

57 0.0 0.0 0.0

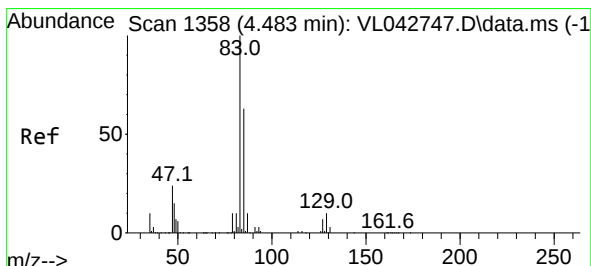
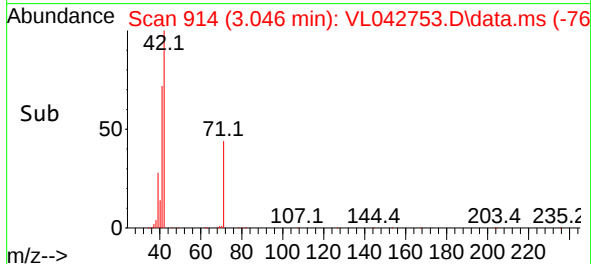
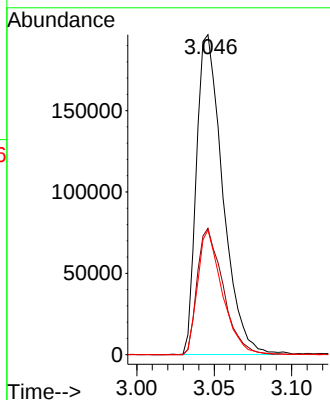
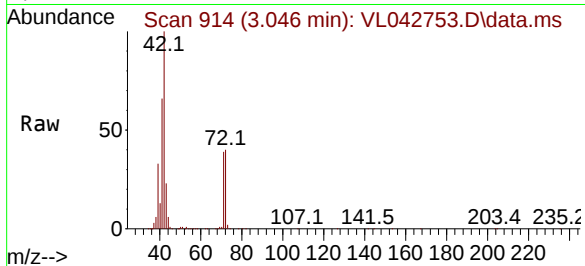




#41
Tetrahydrofuran
Concen: 15.278 ppbv
RT: 3.046 min Scan# 915
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

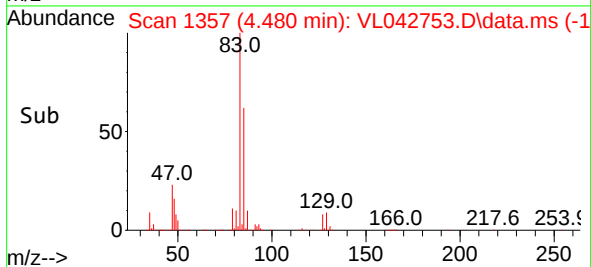
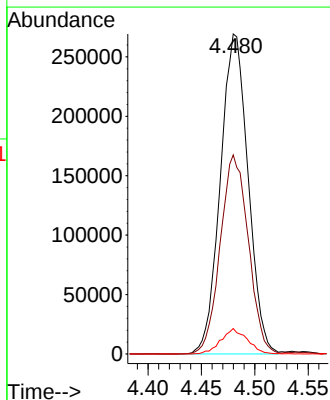
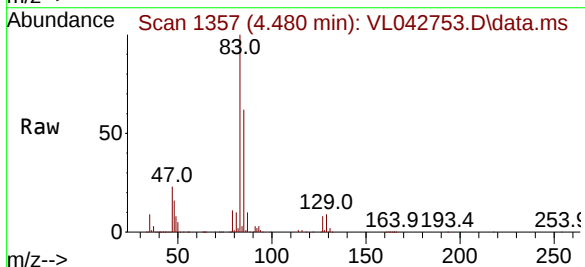
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

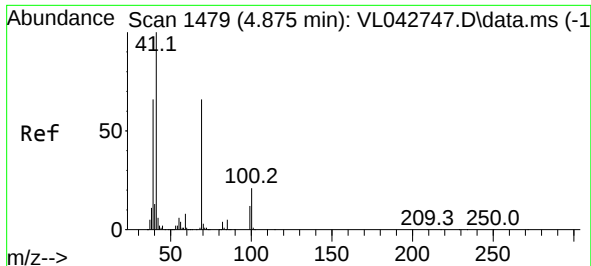
Tgt Ion: 42 Resp: 232393
Ion Ratio Lower Upper
42 100
72 39.2 30.9 46.3
71 36.6 28.6 43.0



#42
Bromodichloromethane
Concen: 15.303 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 83 Resp: 486831
Ion Ratio Lower Upper
83 100
85 62.2 50.2 75.4
127 8.0 5.4 8.2

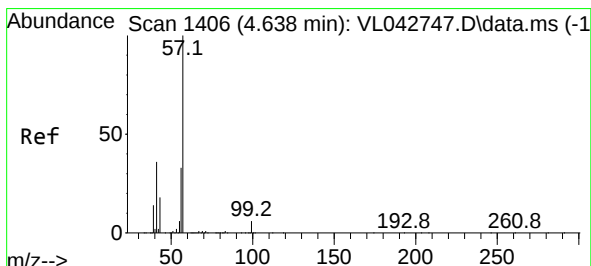
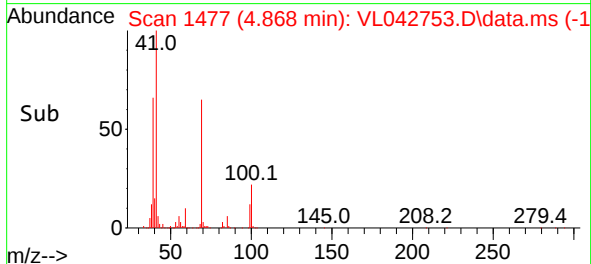
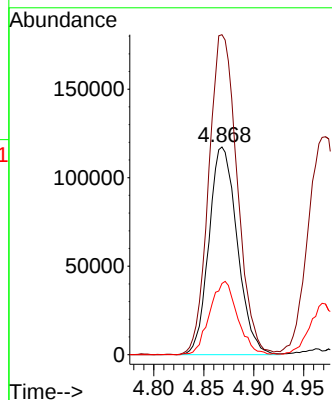
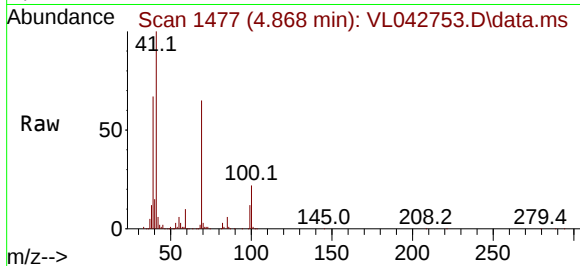




#43
Methyl Methacrylate
Concen: 16.059 ppbv
RT: 4.868 min Scan# 1479
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

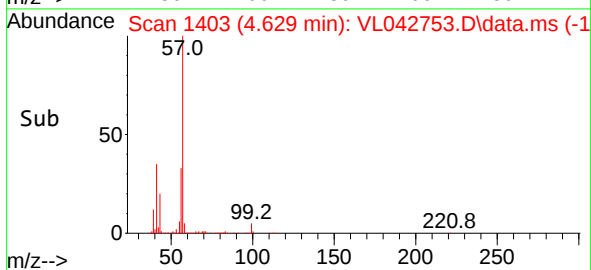
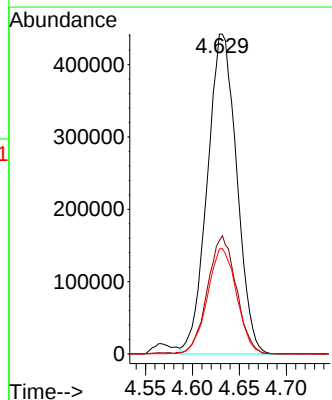
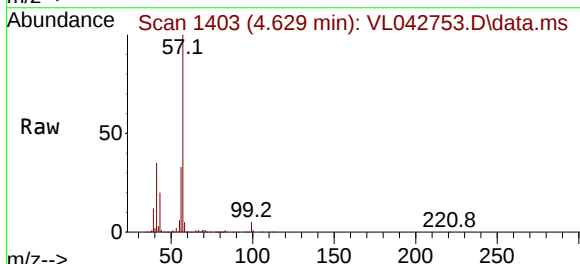
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

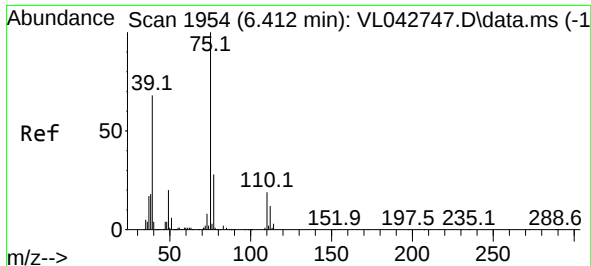
Tgt Ion: 69 Resp: 231227
Ion Ratio Lower Upper
69 100
41 155.0 125.7 188.5
100 34.8 28.6 42.8



#44
2,2,4-Trimethylpentane
Concen: 14.598 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.010 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 57 Resp: 963867
Ion Ratio Lower Upper
57 100
41 36.4 28.3 42.5
56 32.9 25.8 38.6

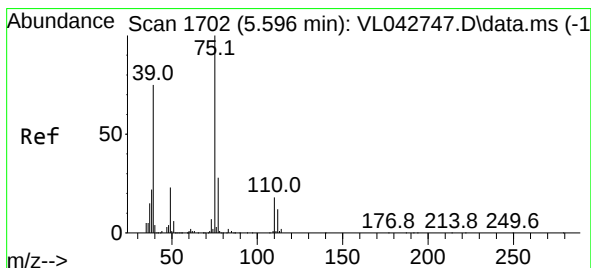
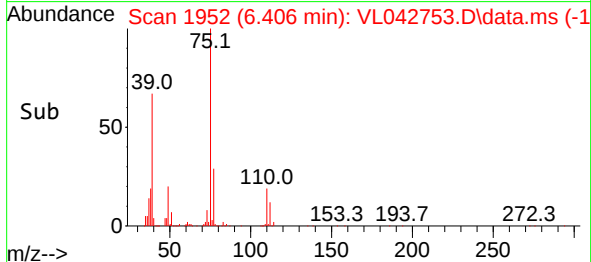
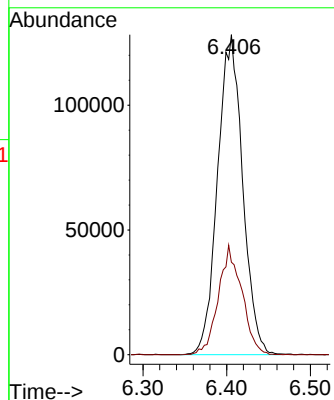
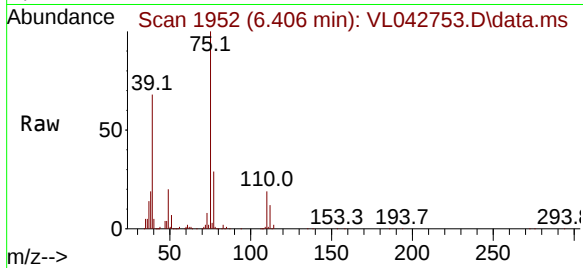




#45
 t-1,3-Dichloropropene
 Concen: 16.478 ppbv
 RT: 6.406 min Scan# 1954
 Delta R.T. -0.006 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

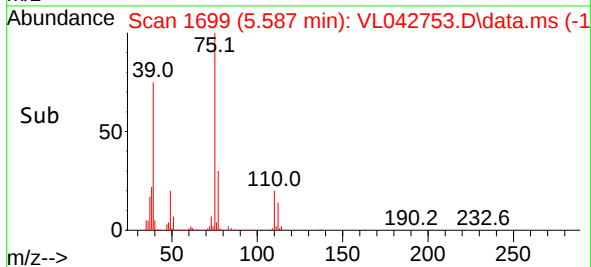
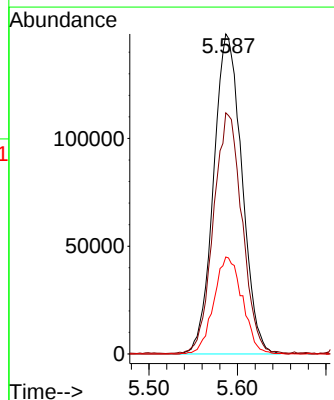
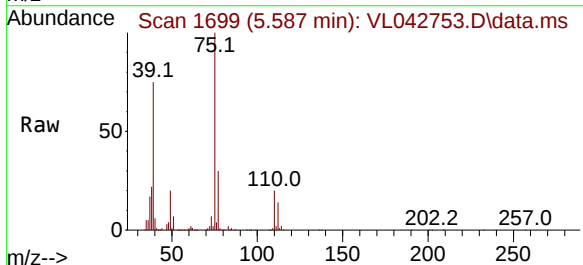
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

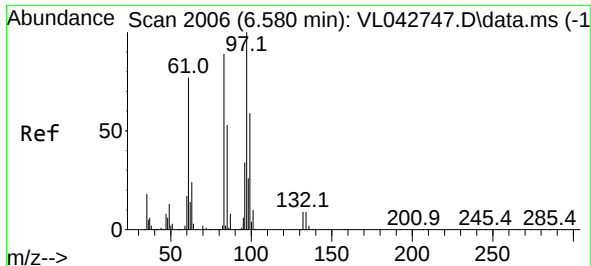
Tgt Ion: 75 Resp: 266194
 Ion Ratio Lower Upper
 75 100
 77 28.9 22.4 33.6



#46
 cis-1,3-Dichloropropene
 Concen: 16.115 ppbv
 RT: 5.587 min Scan# 1699
 Delta R.T. -0.010 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Tgt Ion: 75 Resp: 329850
 Ion Ratio Lower Upper
 75 100
 39 74.8 60.2 90.2
 77 30.2 22.6 34.0

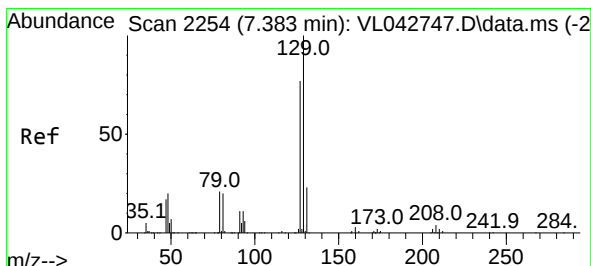
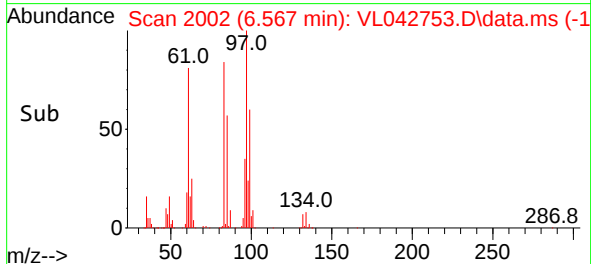
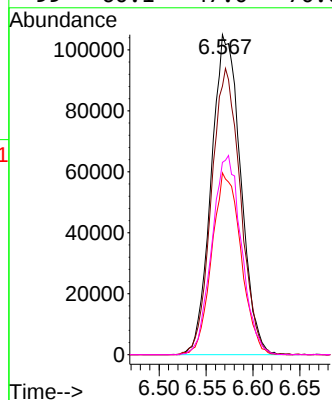
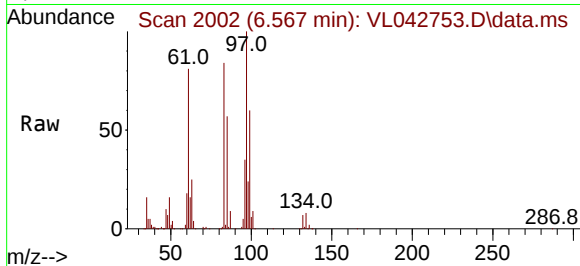




#47
 1,1,2-Trichloroethane
 Concen: 14.335 ppbv
 RT: 6.567 min Scan# 2006
 Delta R.T. -0.013 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

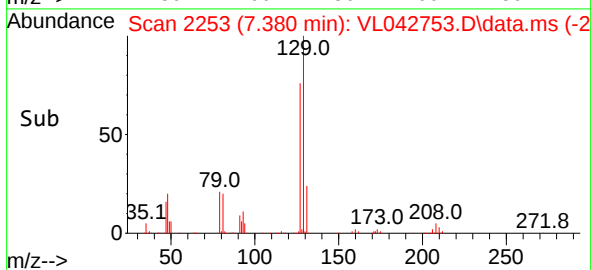
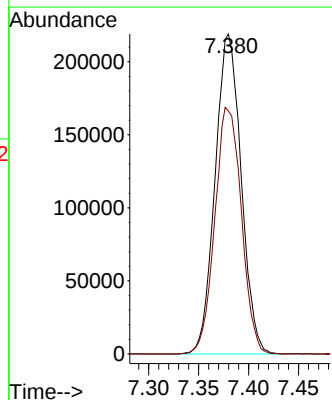
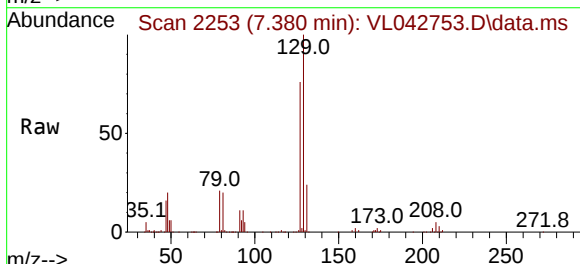
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

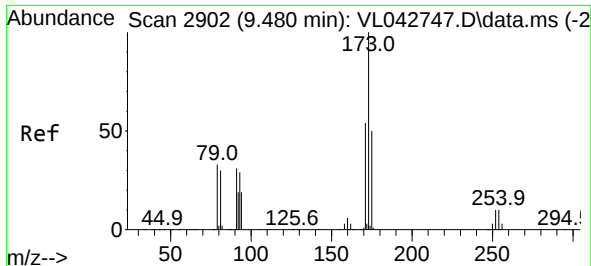
Tgt Ion: 97 Resp: 228492
 Ion Ratio Lower Upper
 97 100
 83 83.7 71.1 106.7
 85 56.7 43.0 64.4
 99 60.1 47.0 70.6



#48
 Dibromochloromethane
 Concen: 15.695 ppbv
 RT: 7.380 min Scan# 2253
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Tgt Ion: 129 Resp: 397179
 Ion Ratio Lower Upper
 129 100
 127 78.5 38.7 116.1

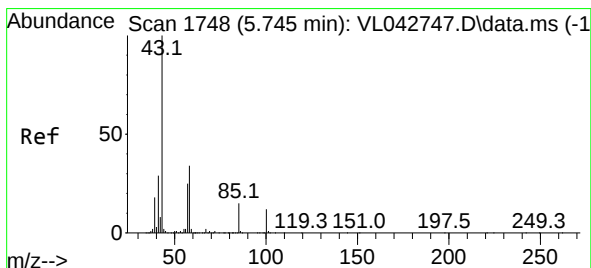
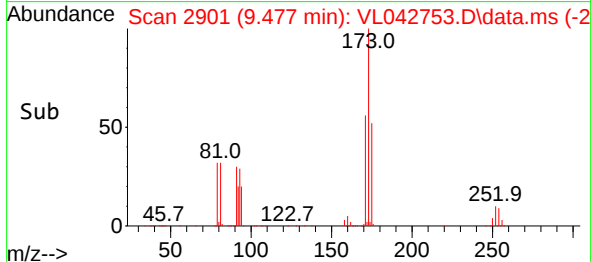
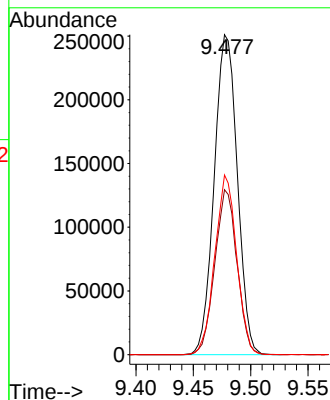
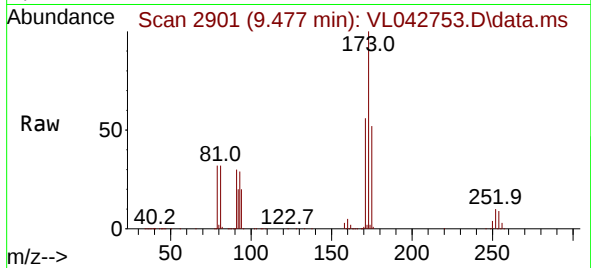




#49
Bromoform
Concen: 15.955 ppbv
RT: 9.477 min Scan# 2901
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

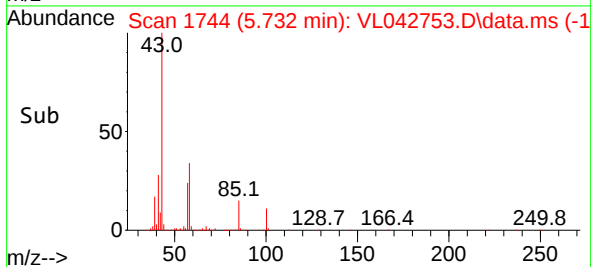
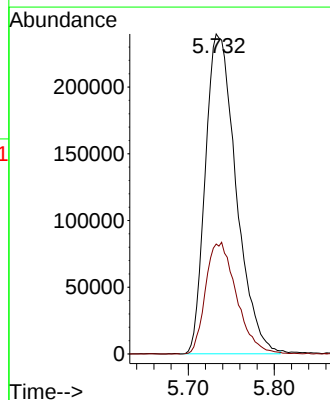
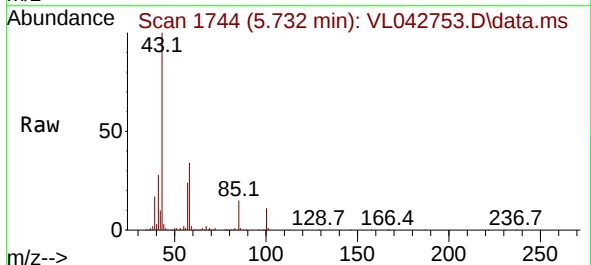
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

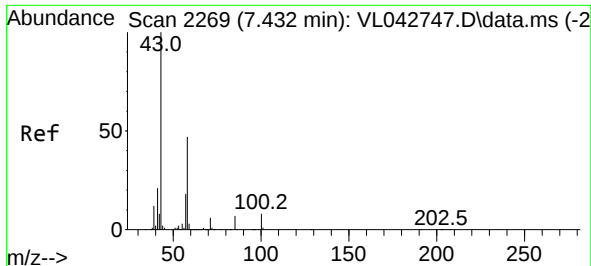
Tgt Ion:173 Resp: 352050
Ion Ratio Lower Upper
173 100
175 49.6 38.4 57.6
171 53.1 40.9 61.3



#50
4-Methyl-2-Pentanone
Concen: 15.427 ppbv
RT: 5.732 min Scan# 1744
Delta R.T. -0.013 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 43 Resp: 594973
Ion Ratio Lower Upper
43 100
58 35.1 27.8 41.8

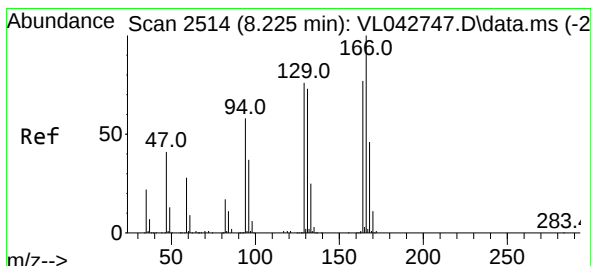
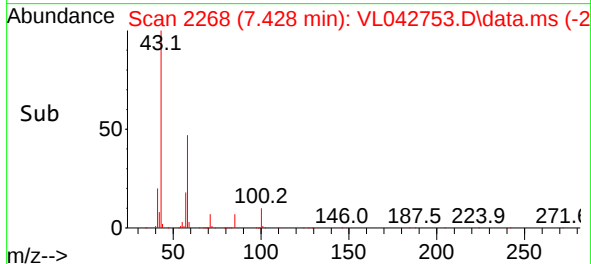
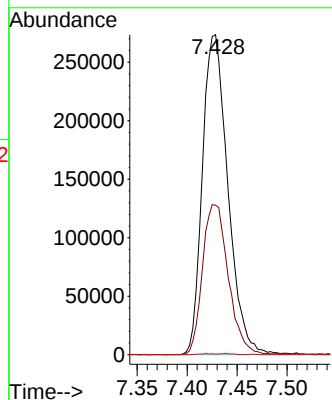
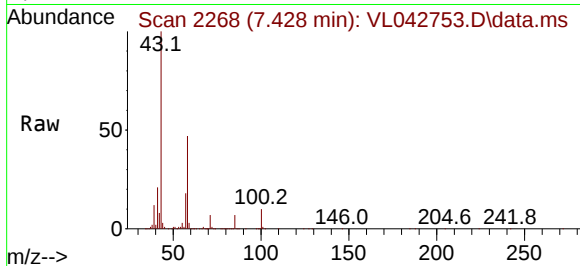




#51
2-Hexanone
Concen: 16.467 ppbv
RT: 7.428 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

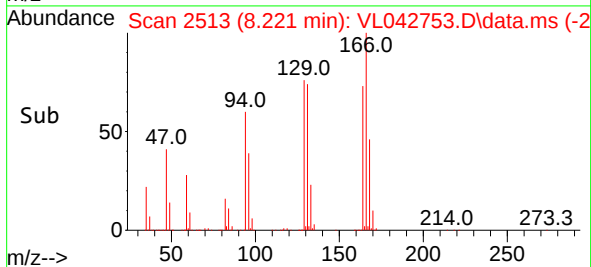
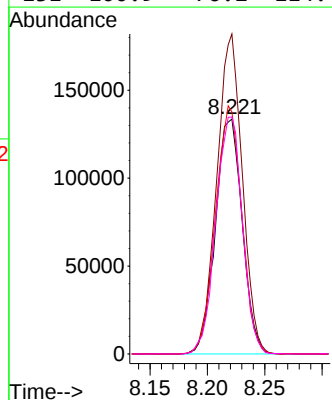
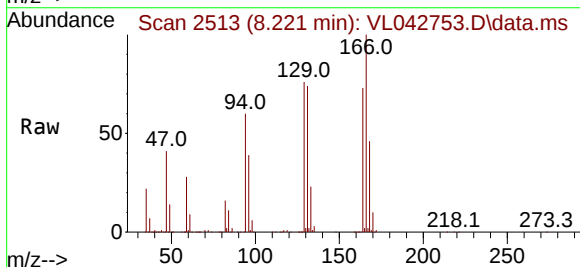
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

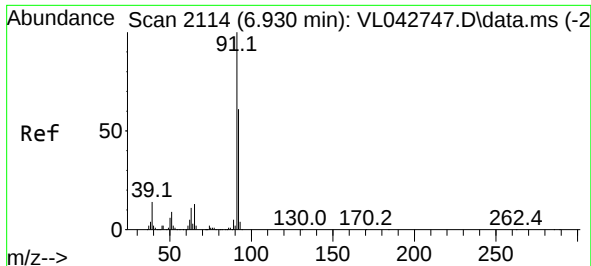
Tgt Ion: 43 Resp: 485325
Ion Ratio Lower Upper
43 100
58 47.7 38.0 57.0
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 12.899 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 164 Resp: 217184
Ion Ratio Lower Upper
164 100
166 136.3 104.0 156.0
129 103.1 79.2 118.8
131 100.9 76.2 114.4

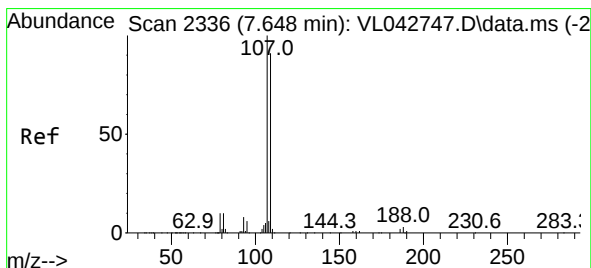
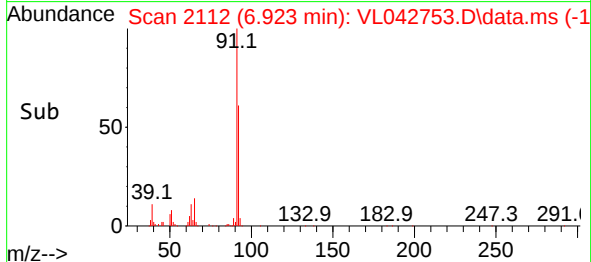
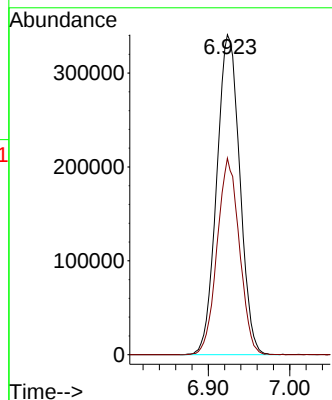
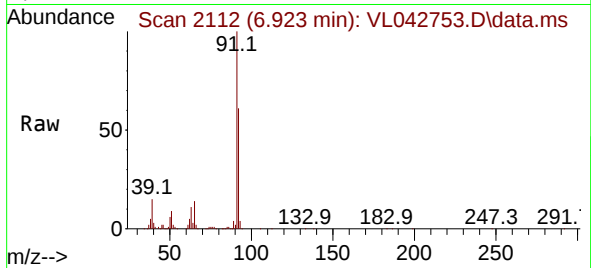




#53
Toluene
Concen: 15.405 ppbv
RT: 6.923 min Scan# 2112
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

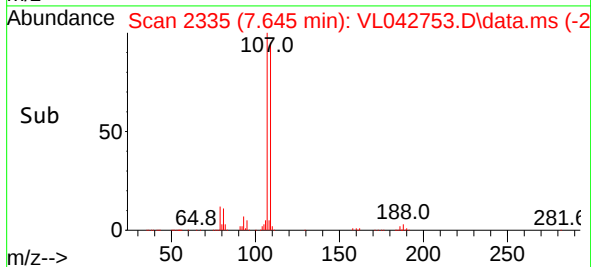
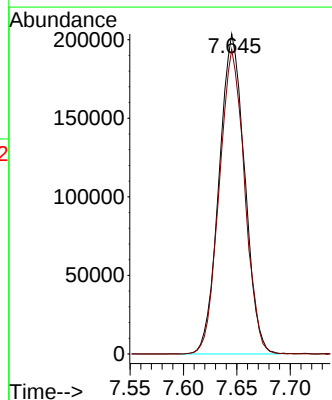
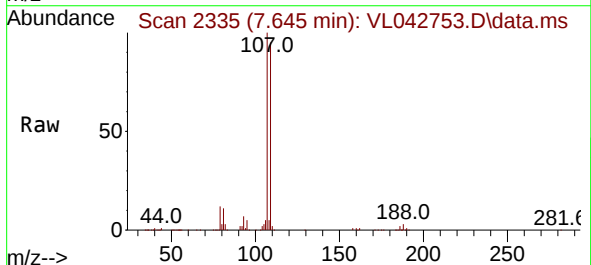
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

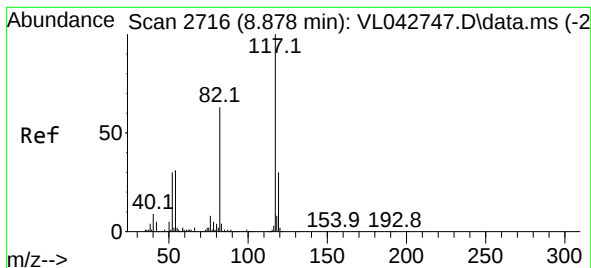
Tgt Ion: 91 Resp: 670142
Ion Ratio Lower Upper
91 100
92 59.3 48.0 72.0



#54
1,2-Dibromoethane
Concen: 15.019 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 107 Resp: 338867
Ion Ratio Lower Upper
107 100
109 95.1 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 2716

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

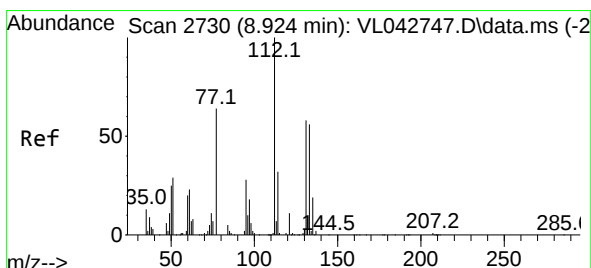
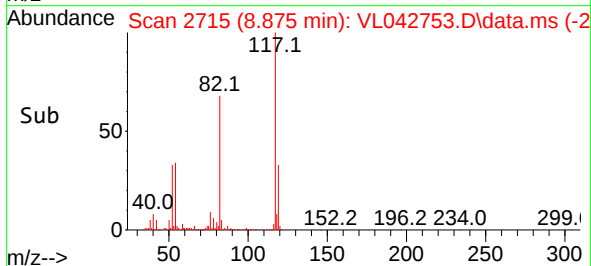
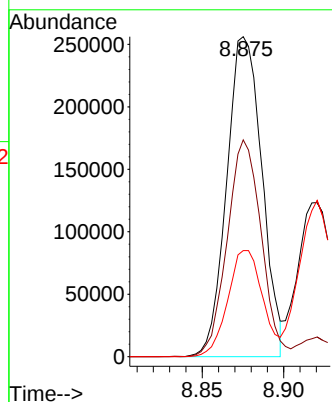
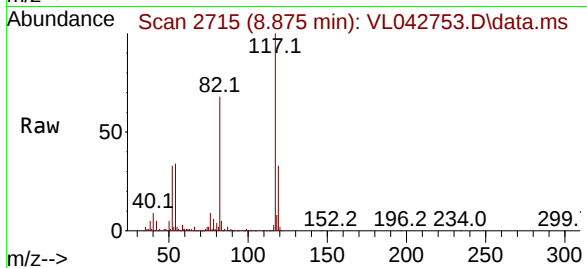
Tgt Ion:117 Resp: 385223

Ion Ratio Lower Upper

117 100

82 71.0 53.3 79.9

119 32.3 25.8 38.6



#56

1,1,1,2-Tetrachloroethane

Concen: 14.648 ppbv

RT: 8.920 min Scan# 2729

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

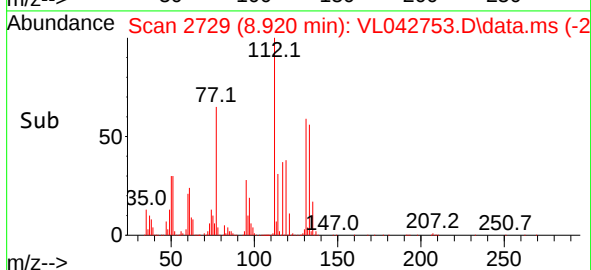
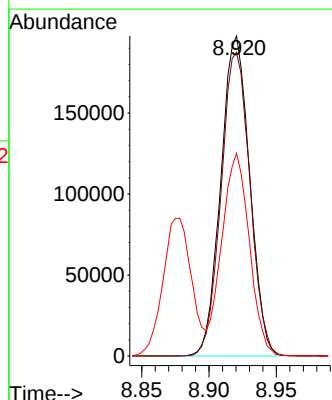
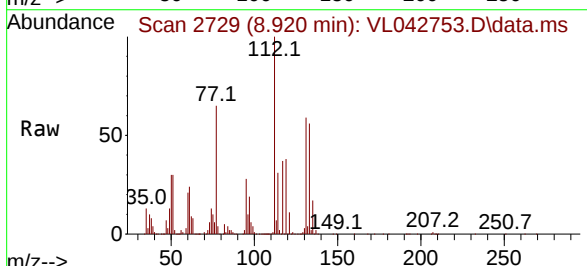
Tgt Ion:131 Resp: 293384

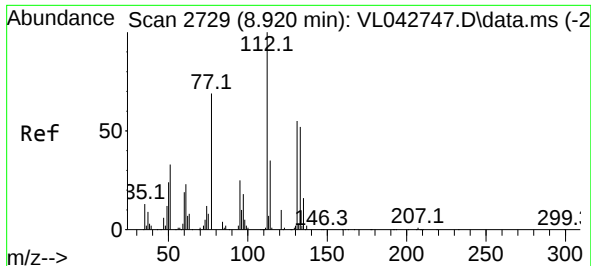
Ion Ratio Lower Upper

131 100

133 95.4 76.8 115.2

119 60.7 49.7 74.5

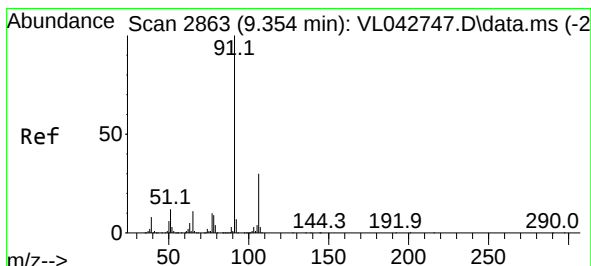
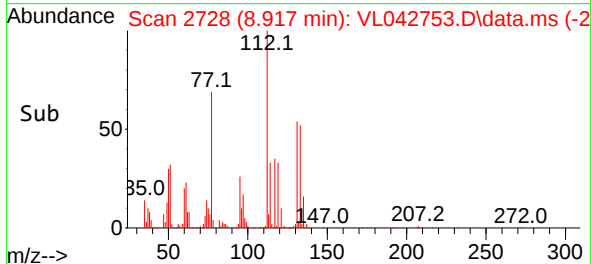
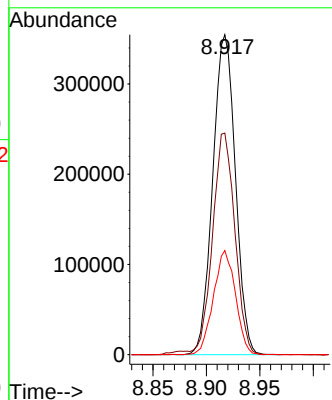
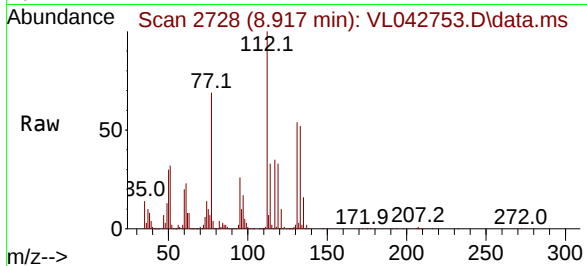




#57
Chlorobenzene
Concen: 14.025 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

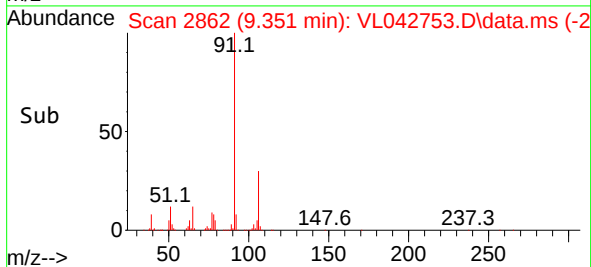
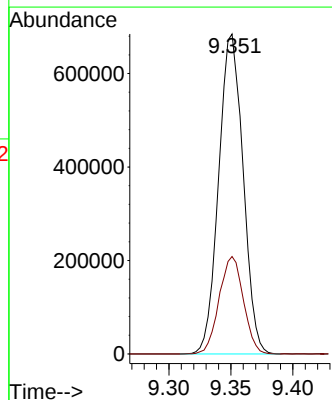
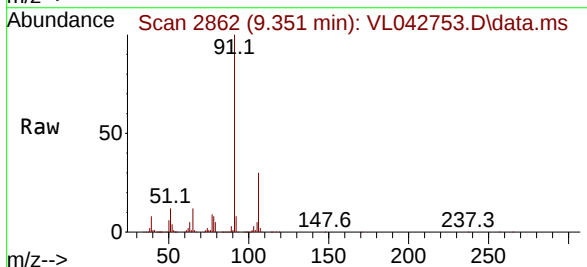
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

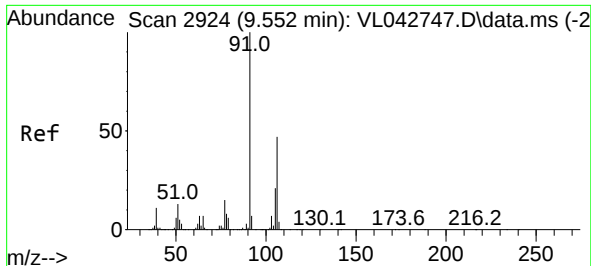
Tgt Ion:112 Resp: 522894
Ion Ratio Lower Upper
112 100
77 69.2 56.4 84.6
114 32.6 31.2 38.2



#58
Ethyl Benzene
Concen: 15.454 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 940159
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.6

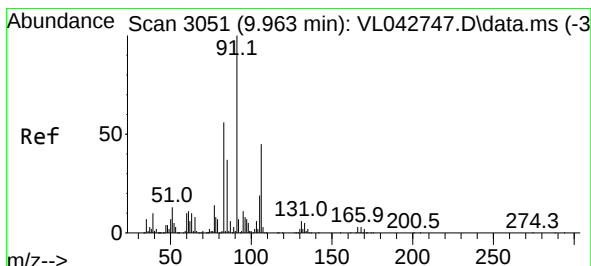
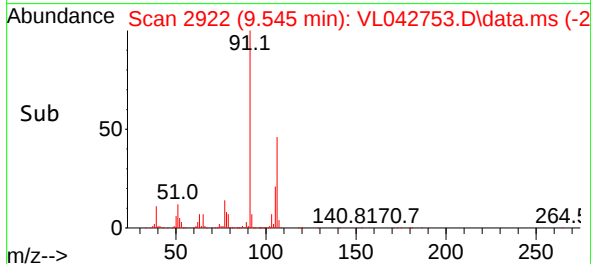
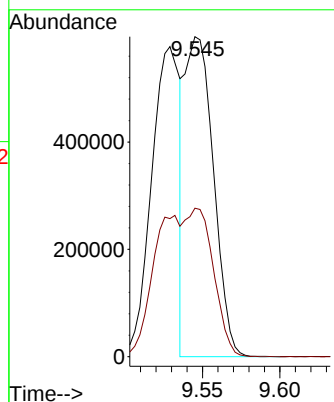
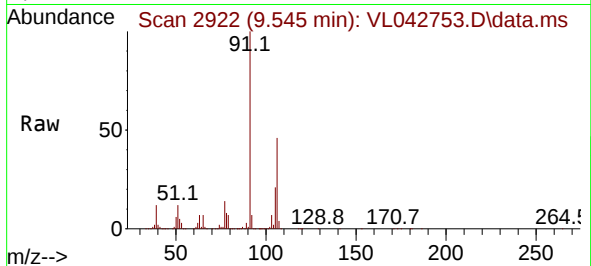




#59
m/p-Xylene
Concen: 15.756 ppbv
RT: 9.545 min Scan# 2924
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

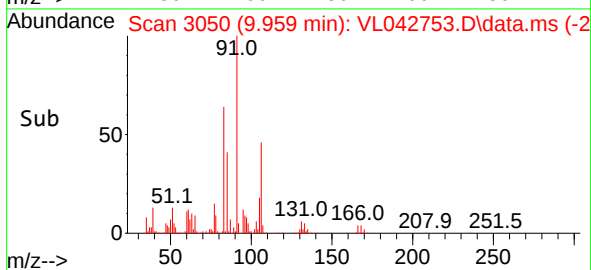
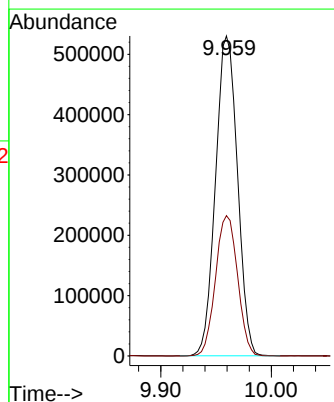
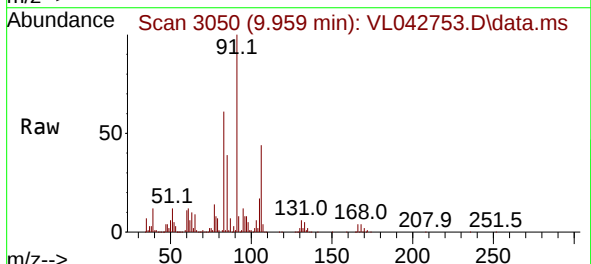
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

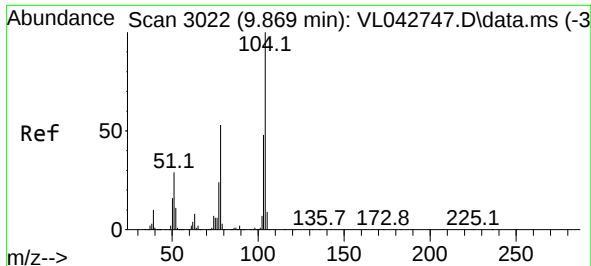
Tgt Ion: 91 Resp: 766284
Ion Ratio Lower Upper
91 100
106 91.0 37.4 56.2#



#60
o-Xylene
Concen: 15.030 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 730161
Ion Ratio Lower Upper
91 100
106 44.1 22.0 66.0

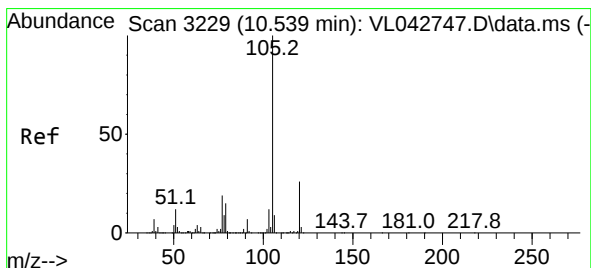
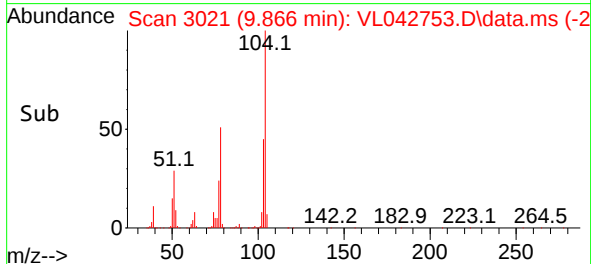
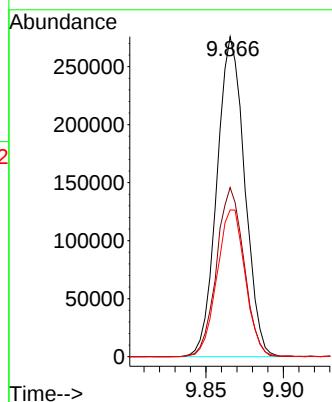
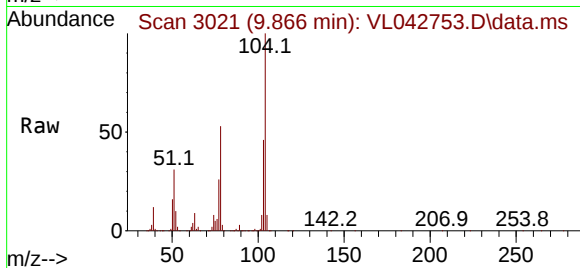




#61
Styrene
Concen: 16.805 ppbv
RT: 9.866 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

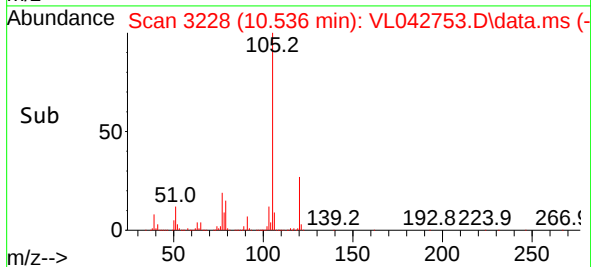
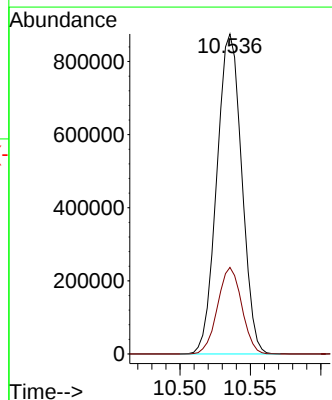
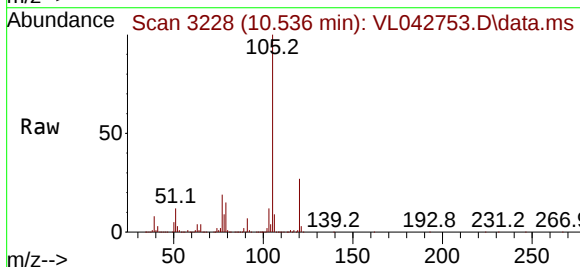
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

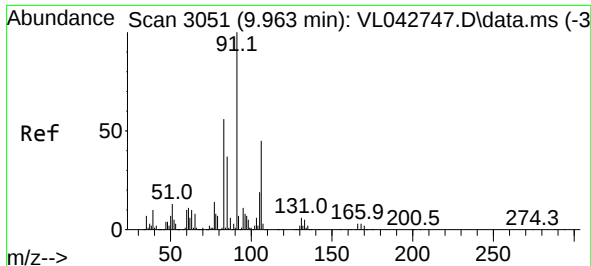
Tgt Ion:104 Resp: 343429
Ion Ratio Lower Upper
104 100
78 52.3 41.5 62.3
103 46.9 37.5 56.3



#62
Isopropylbenzene
Concen: 15.049 ppbv
RT: 10.536 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 1078393
Ion Ratio Lower Upper
105 100
120 26.2 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 13.261 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

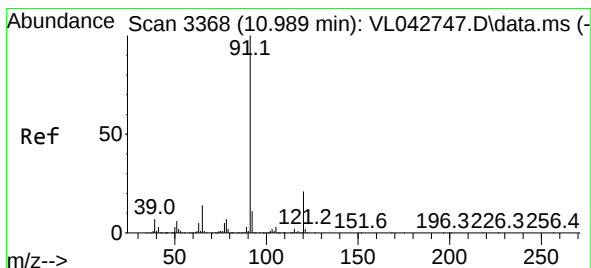
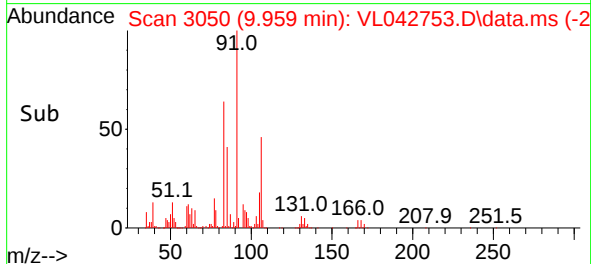
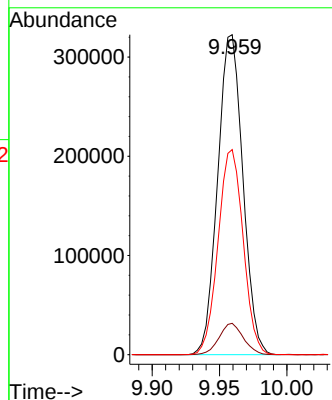
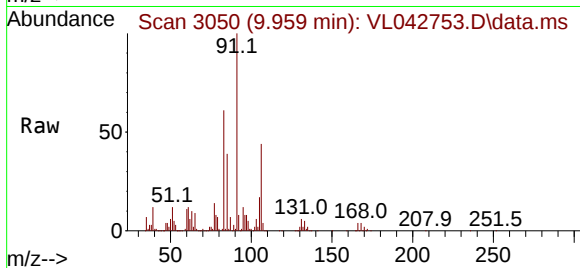
Tgt Ion: 83 Resp: 419734

Ion Ratio Lower Upper

83 100

131 9.5 5.0 15.0

85 63.8 32.6 97.7



#64

n-propylbenzene

Concen: 15.348 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. -0.003 min

Lab File: VL042753.D

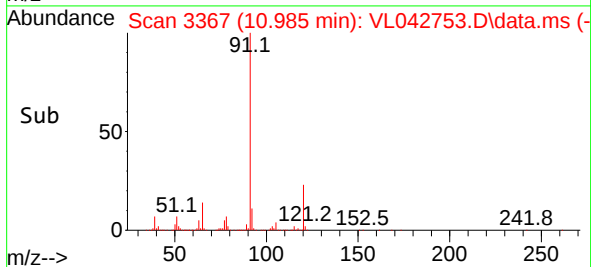
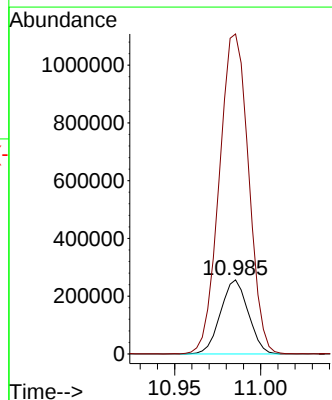
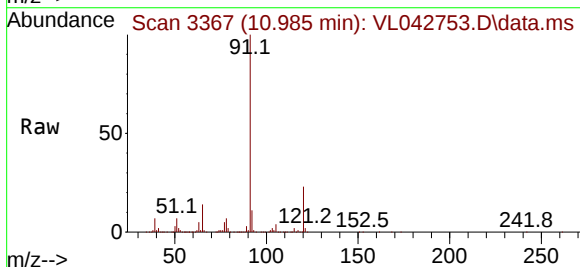
Acq: 23 Jul 2025 12:26

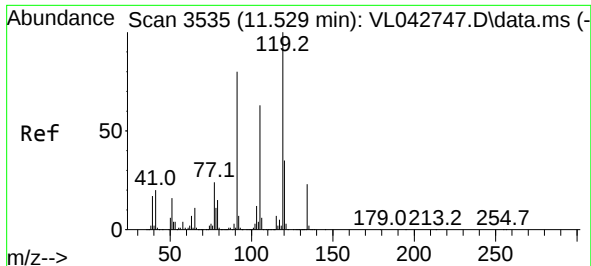
Tgt Ion: 120 Resp: 286724

Ion Ratio Lower Upper

120 100

91 458.1 372.7 559.1

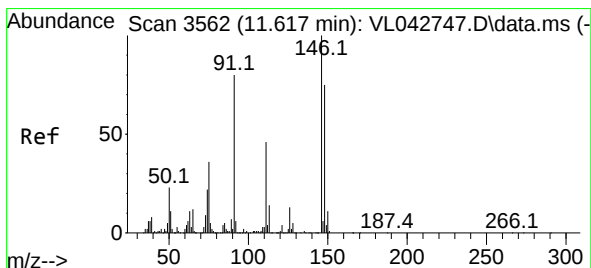
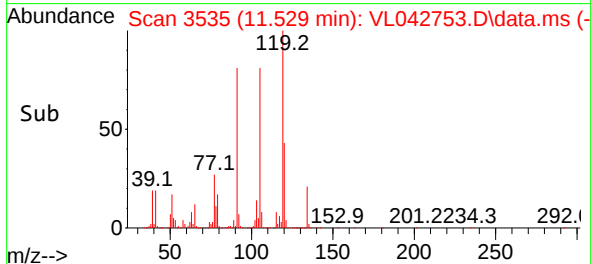
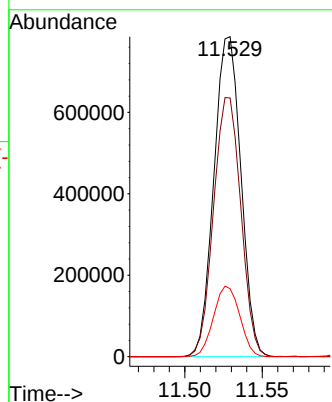
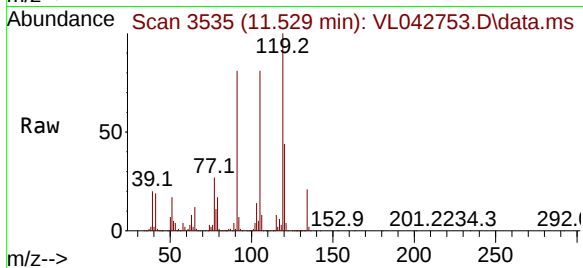




#65
tert-Butylbenzene
Concen: 14.995 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

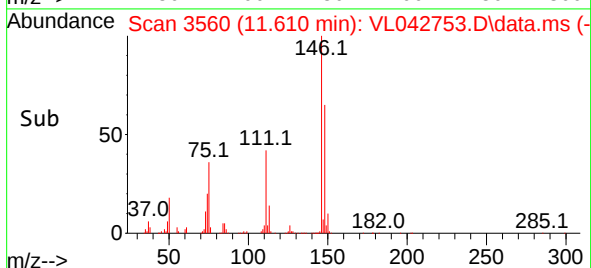
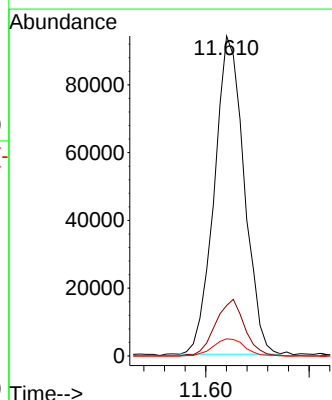
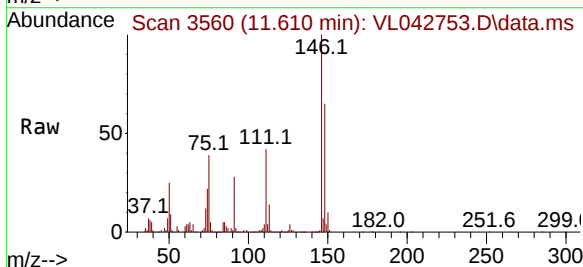
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

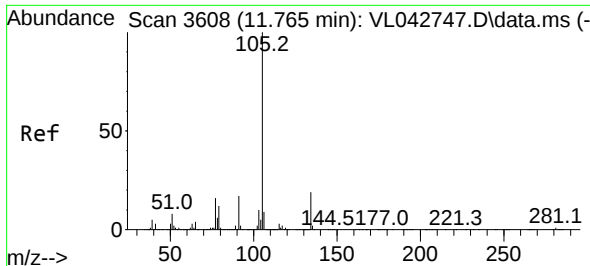
Tgt Ion:119 Resp: 954459
Ion Ratio Lower Upper
119 100
91 81.9 64.0 96.0
134 21.4 17.3 25.9



#66
Benzyl Chloride
Concen: 18.031 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 94218
Ion Ratio Lower Upper
91 100
126 17.3 14.4 21.6
128 5.7 5.2 7.8

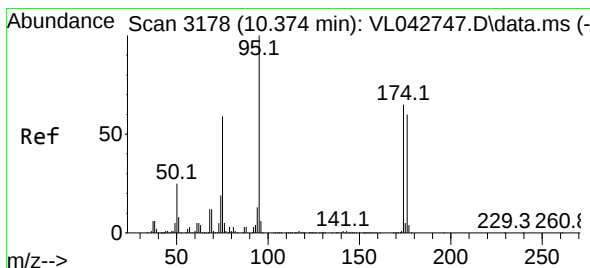
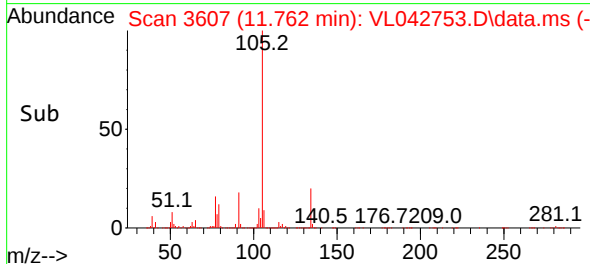
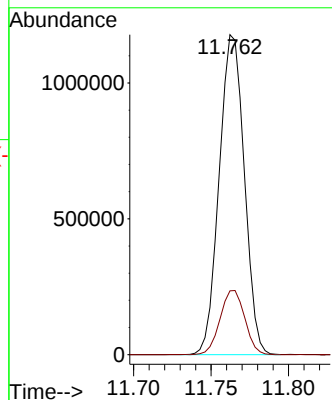
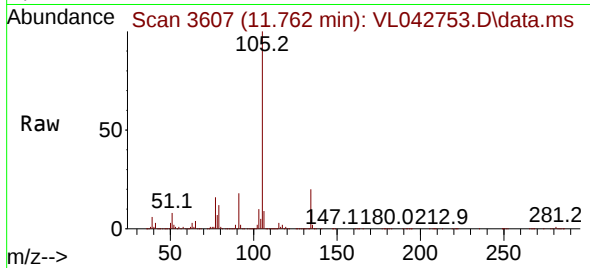




#67
 sec-Butylbenzene
 Concen: 14.662 ppbv
 RT: 11.762 min Scan# 3107
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

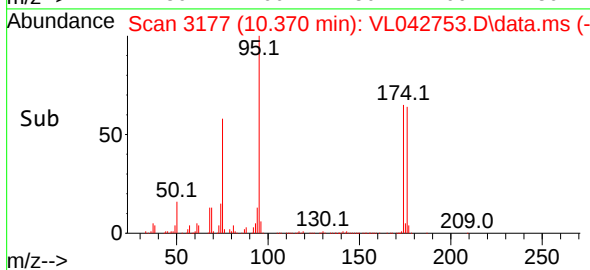
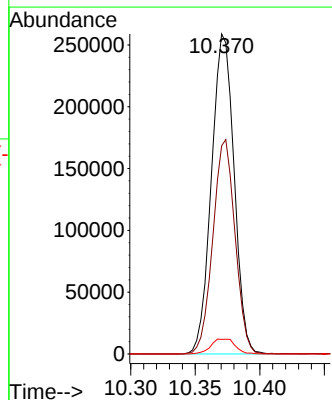
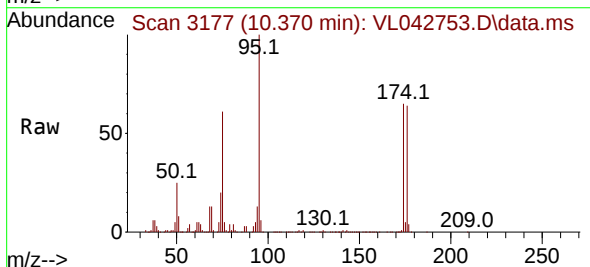
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

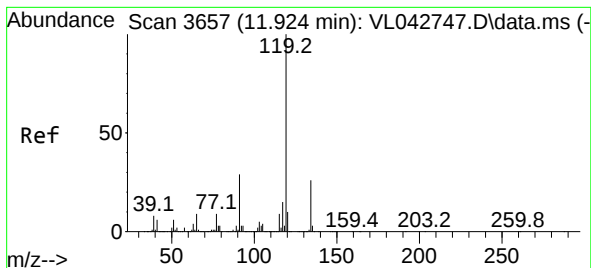
Tgt Ion:105 Resp: 1327393
 Ion Ratio Lower Upper
 105 100
 134 19.8 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.335 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Tgt Ion: 95 Resp: 315293
 Ion Ratio Lower Upper
 95 100
 174 65.7 53.8 80.6
 175 5.0 4.0 6.0

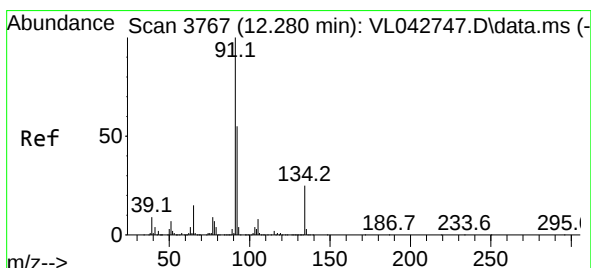
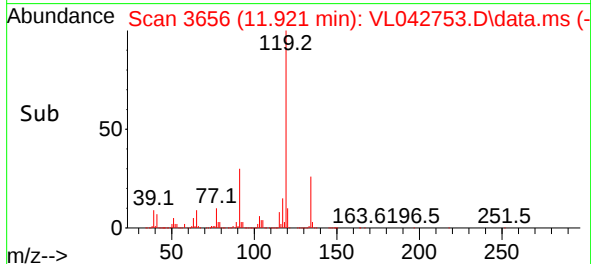
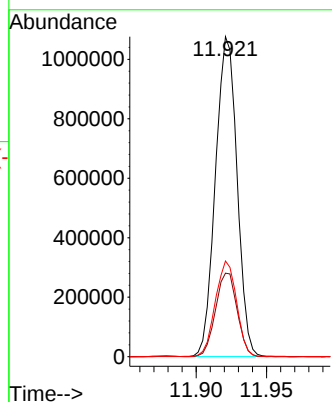
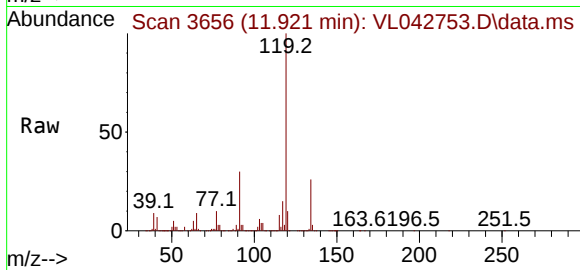




#69
p-Isopropyltoluene
Concen: 15.571 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

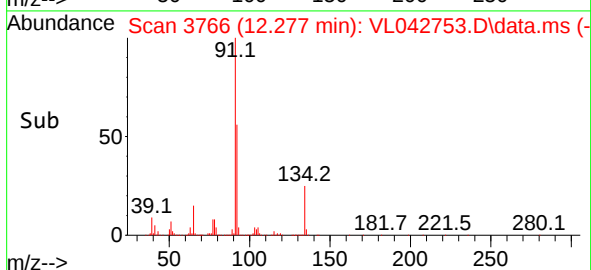
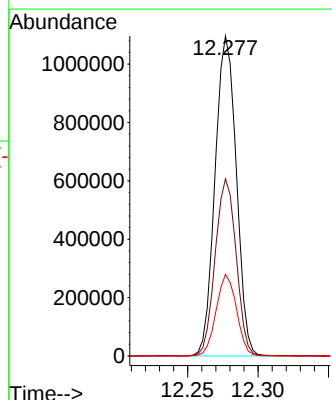
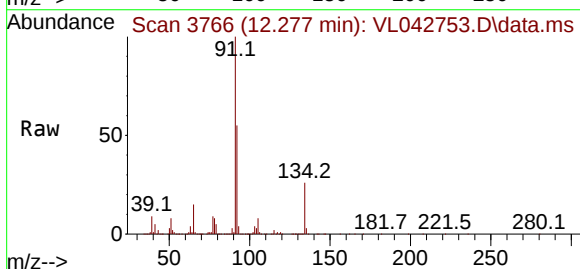
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

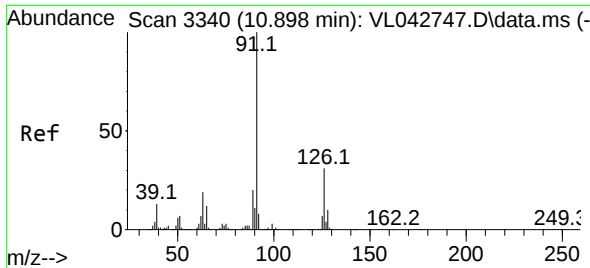
Tgt Ion:119 Resp: 1149418
Ion Ratio Lower Upper
119 100
134 26.3 20.6 31.0
91 29.6 23.2 34.8



#70
n-Butylbenzene
Concen: 16.159 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion: 91 Resp: 1152207
Ion Ratio Lower Upper
91 100
92 54.6 43.4 65.2
134 24.5 19.6 29.4

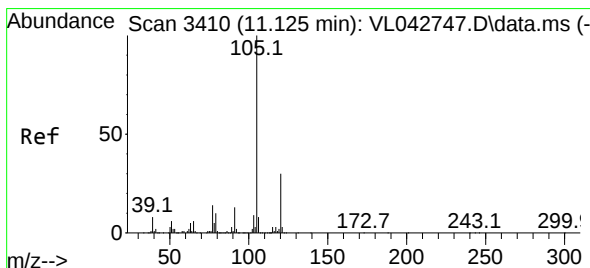
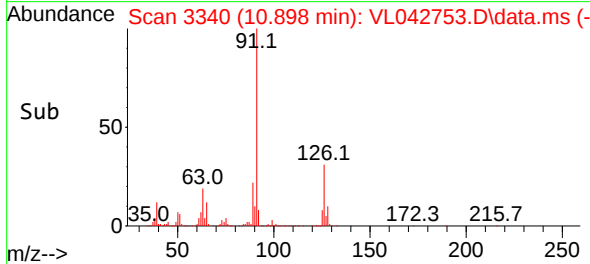
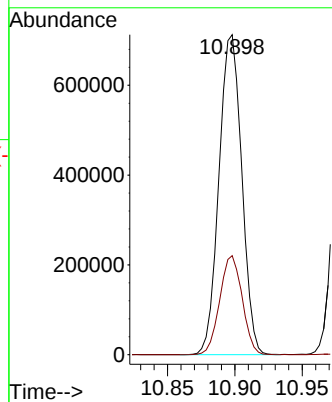
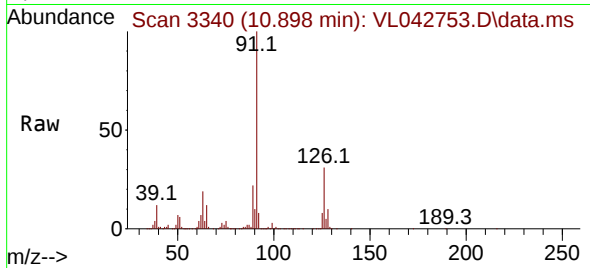




#71
2-Chlorotoluene
Concen: 15.257 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

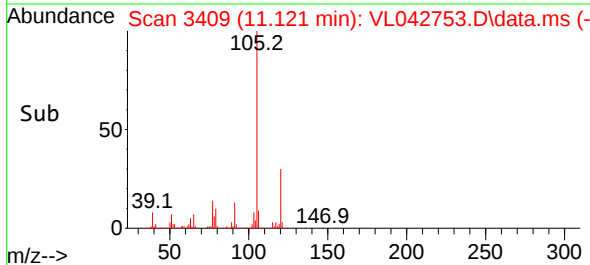
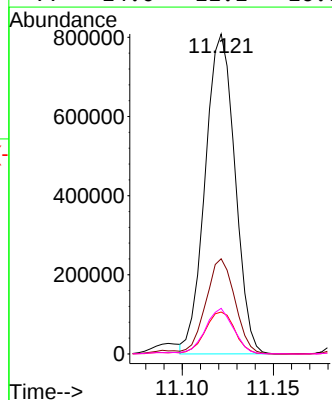
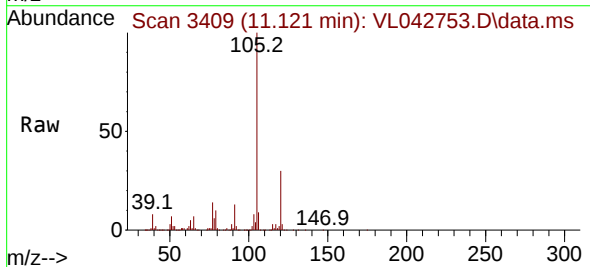
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

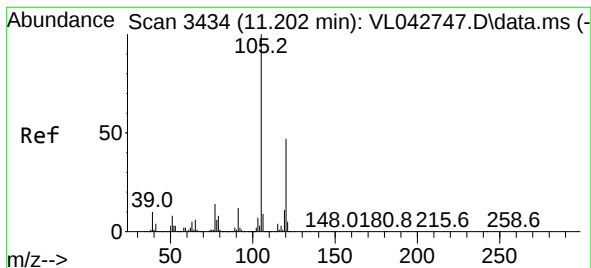
Tgt Ion: 91 Resp: 838335
Ion Ratio Lower Upper
91 100
126 30.5 12.0 48.2



#72
4-Ethyltoluene
Concen: 15.830 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 918453
Ion Ratio Lower Upper
105 100
120 30.1 24.4 36.6
91 13.5 10.6 15.8
77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 15.977 ppbv

RT: 11.199 min Scan# 3434

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_L

ClientSampleId :

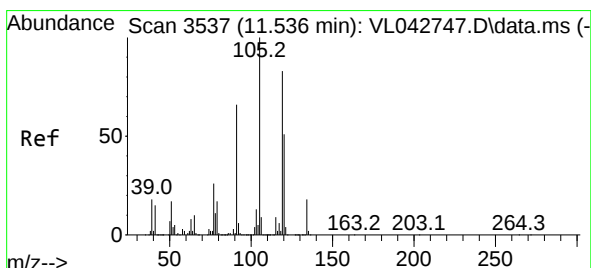
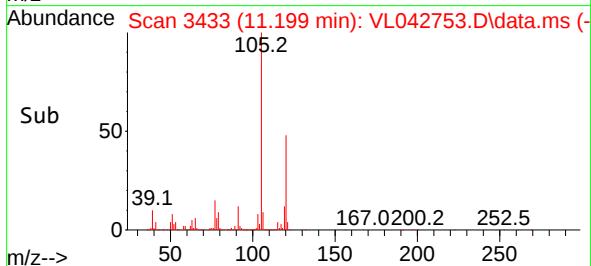
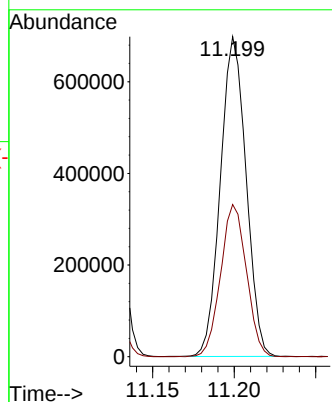
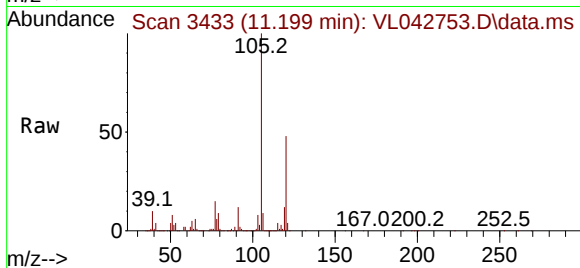
VSTDIC015

Tgt Ion:105 Resp: 763212

Ion Ratio Lower Upper

105 100

120 47.5 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 15.873 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Tgt Ion:105 Resp: 827222

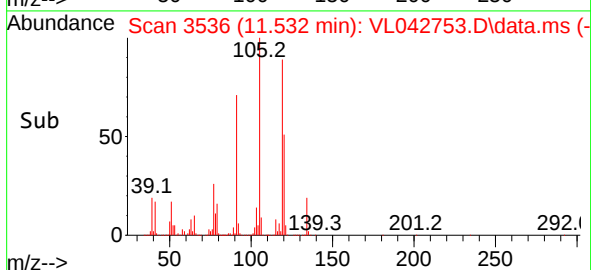
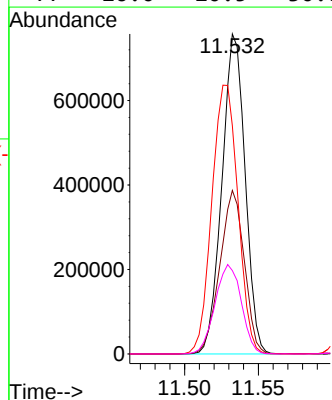
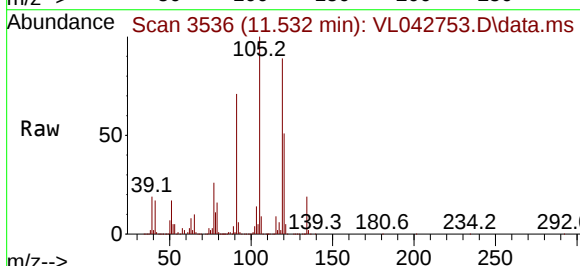
Ion Ratio Lower Upper

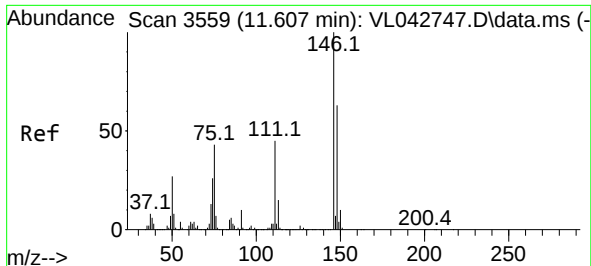
105 100

120 51.1 40.8 61.2

91 71.2 53.0 79.4

77 26.0 20.5 30.7

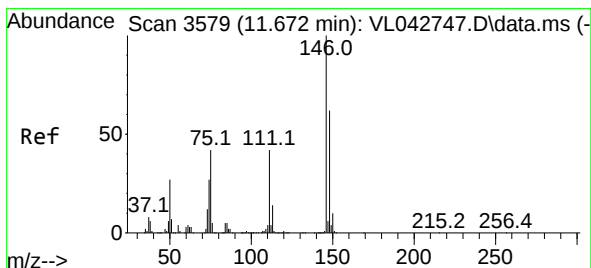
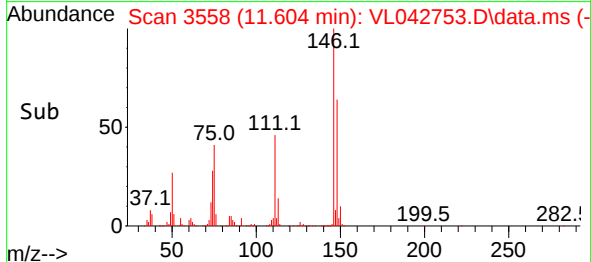
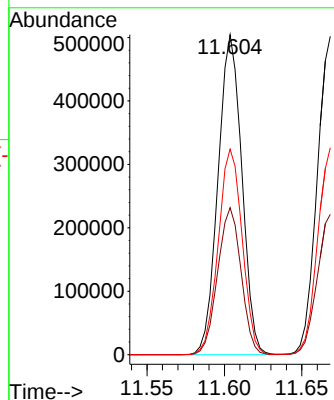
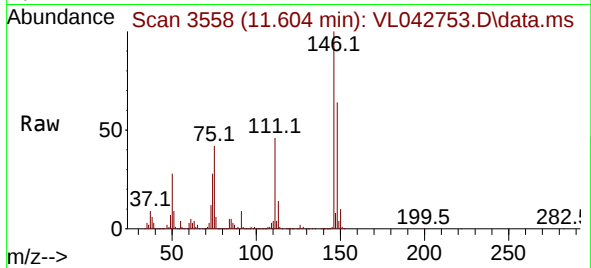




#75
1,3-Dichlorobenzene
Concen: 14.761 ppbv
RT: 11.604 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

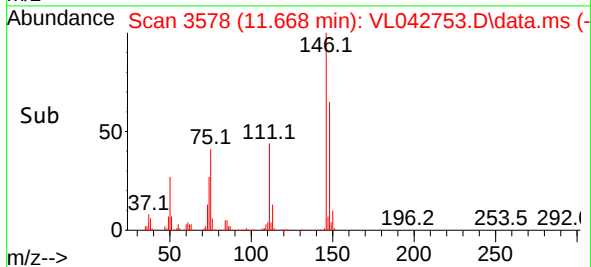
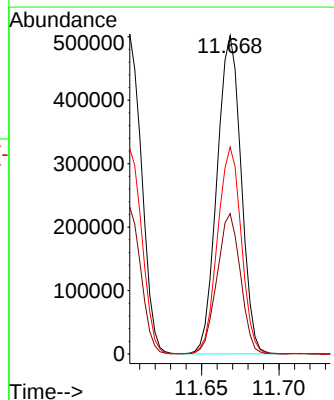
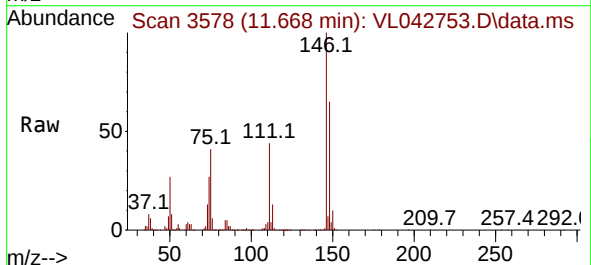
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

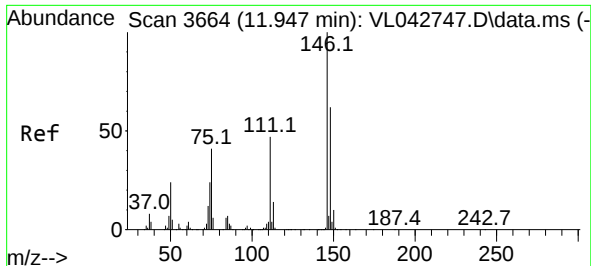
Tgt Ion:146 Resp: 539284
Ion Ratio Lower Upper
146 100
111 45.2 22.7 68.0
148 64.6 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 15.188 ppbv
RT: 11.668 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:146 Resp: 542998
Ion Ratio Lower Upper
146 100
111 43.1 21.4 64.2
148 64.3 32.1 96.3

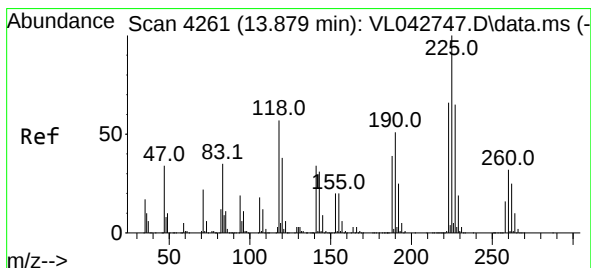
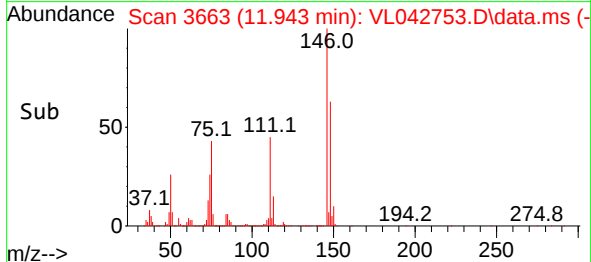
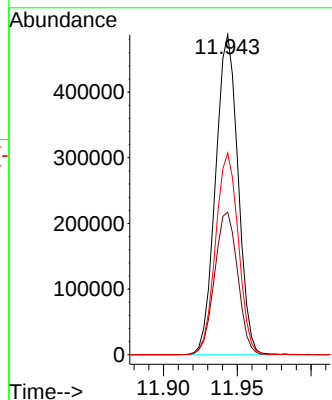
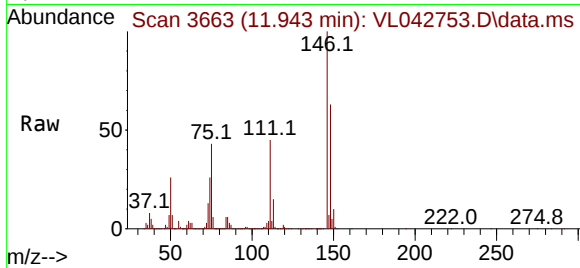




#77
1,2-Dichlorobenzene
Concen: 14.390 ppbv
RT: 11.943 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

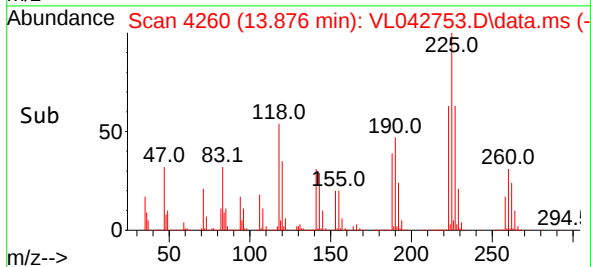
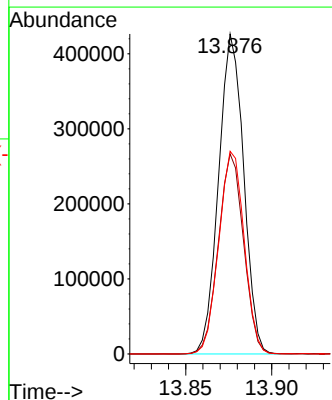
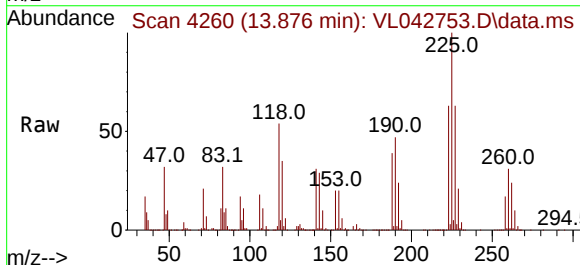
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

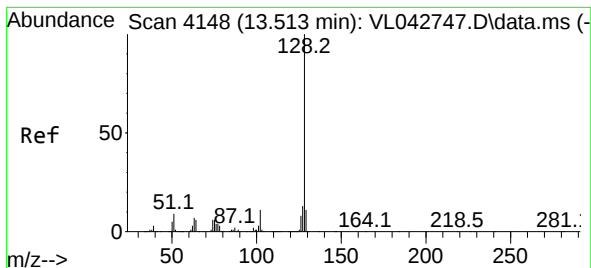
Tgt Ion:146 Resp: 516714
Ion Ratio Lower Upper
146 100
111 45.9 23.7 71.1
148 64.0 32.6 97.7



#78
Hexachloro-1,3-Butadiene
Concen: 13.296 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.003 min
Lab File: VL042753.D
Acq: 23 Jul 2025 12:26

Tgt Ion:225 Resp: 432138
Ion Ratio Lower Upper
225 100
223 62.9 50.7 76.1
227 64.3 50.5 75.7





#79

Naphthalene

Concen: 15.265 ppbv

RT: 13.507 min Scan# 4146

Delta R.T. -0.006 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

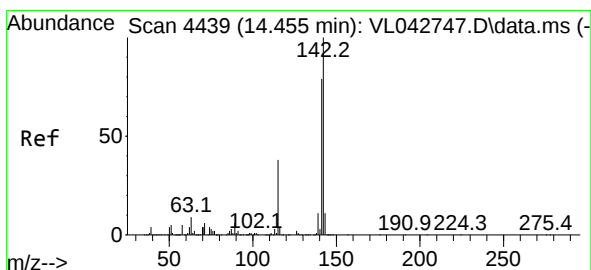
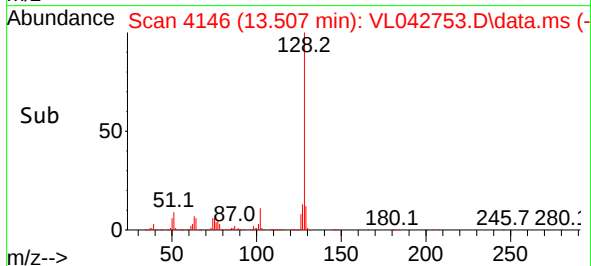
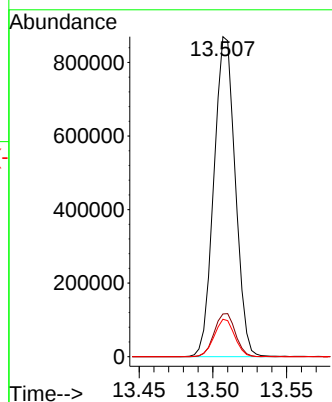
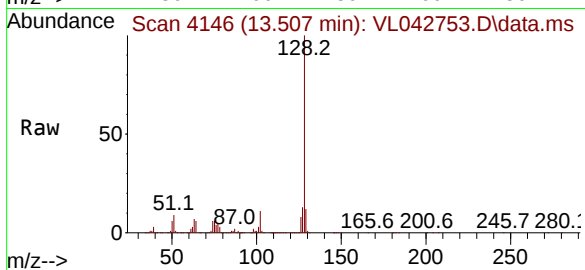
Tgt Ion:128 Resp: 876734

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 11.7 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 15.438 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. -0.003 min

Lab File: VL042753.D

Acq: 23 Jul 2025 12:26

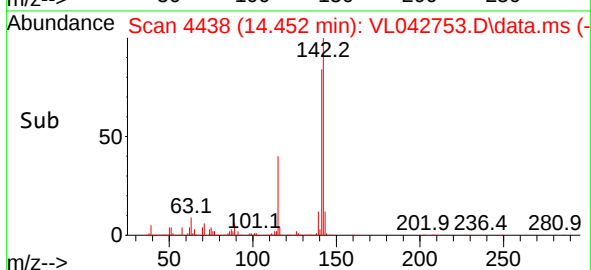
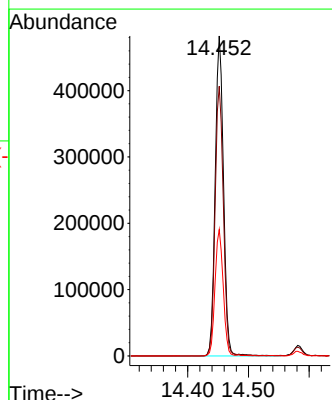
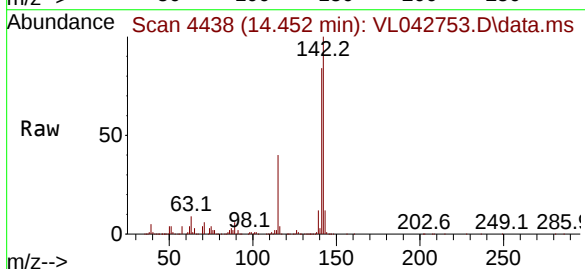
Tgt Ion:142 Resp: 456529

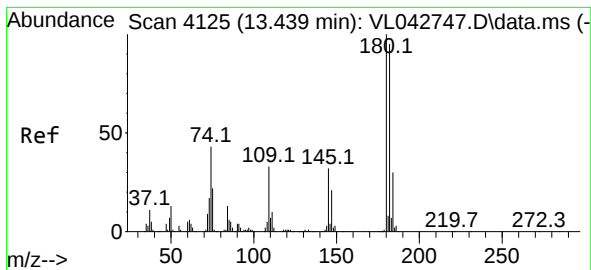
Ion Ratio Lower Upper

142 100

141 84.4 65.8 98.8

115 39.2 31.2 46.8





#81
 1,2,4-Trichlorobenzene
 Concen: 15.200 ppbv
 RT: 13.436 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042753.D
 Acq: 23 Jul 2025 12:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 490575
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.2 114.2
 184 30.3 24.8 37.2

