

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042921.D
 Acq On : 10 Sep 2025 09:36
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 11 01:09:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	144491	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	369791	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.878	117	305623	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	240462	10.491	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	219399	10.361	ppbv	98
3) Chlorodifluoromethane	1.473	51	246673	10.538	ppbv	97
4) Chloromethane	1.531	50	85744	10.034	ppbv	99
5) Vinyl Chloride	1.580	62	80418	9.555	ppbv	99
6) Bromomethane	1.667	94	32182	9.563	ppbv	94
7) Chloroethane	1.703	64	30351	9.235	ppbv	91
8) Dichlorotetrafluoroethane	1.554	85	179453	10.356	ppbv	95
9) Propene	1.479	41	59661	5.902	ppbv	89
10) Heptane	4.978	43	260221	9.611	ppbv	98
11) Trichlorofluoromethane	1.878	101	206293	9.874	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	167643	10.067	ppbv	95
13) Ethanol	1.719	45	6825	7.384	ppbv	92
14) Bromoethene	1.780	108	59848	9.928	ppbv	99
15) Acetone	1.835	43	165034	8.634	ppbv	99
16) 1,3-Butadiene	1.609	39	78297	9.036	ppbv	98
17) tert-Butyl alcohol	2.039	59	183075	8.077	ppbv	100
18) 1,1-Dichloroethene	2.033	96	74153	10.129	ppbv	93
19) Isopropyl Alcohol	1.884	45	98538	8.632	ppbv	92
20) Methylene Chloride	2.059	84	63489	7.929	ppbv	85
21) Allyl Chloride	2.094	41	129434	9.586	ppbv	95
22) trans-1,2-Dichloroethene	2.340	96	85301	10.071	ppbv	99
23) Vinyl Acetate	2.460	43	261874	9.965	ppbv	99
24) 1,1-Dichloroethane	2.408	63	170273	10.066	ppbv	99
25) Ethyl Acetate	2.832	43	468275	10.123	ppbv	98
26) Hexane	2.823	57	208072	9.745	ppbv	93
27) Carbon Disulfide	2.149	76	212382	10.221	ppbv	100
28) Methyl tert-Butyl Ether	2.437	73	92228	8.471	ppbv	93
29) Chloroform	2.845	83	303826	9.966	ppbv	99
30) Cyclohexane	3.855	84	168007	8.974	ppbv	95
31) cis-1,2-Dichloroethene	2.719	61	196556	9.216	ppbv	97
32) 1,1,1-Trichloroethane	3.366	97	288888	8.966	ppbv	97
34) 2-Butanone	2.557	43	294642	11.800	ppbv	99
35) Carbon Tetrachloride	3.761	117	286634	11.243	ppbv	99
36) Benzene	3.654	78	404205	11.415	ppbv	98
37) 1,2-Dichloroethane	3.217	62	225218	12.174	ppbv	99
38) Trichloroethene	4.545	130	163714	10.123	ppbv	94
39) 1,2-Dichloropropane	4.311	63	154962	11.982	ppbv	98
40) 1,4-Dioxane	4.577	88	58073	9.443	ppbv #	86
41) Tetrahydrofuran	3.052	42	160811	11.551	ppbv	97
42) Bromodichloromethane	4.486	83	328462	11.915	ppbv	98
43) Methyl Methacrylate	4.875	69	155022	10.627	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	706023	11.747	ppbv	98
45) t-1,3-Dichloropropene	6.415	75	83974	5.101	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091025\
 Data File : VL042921.D
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

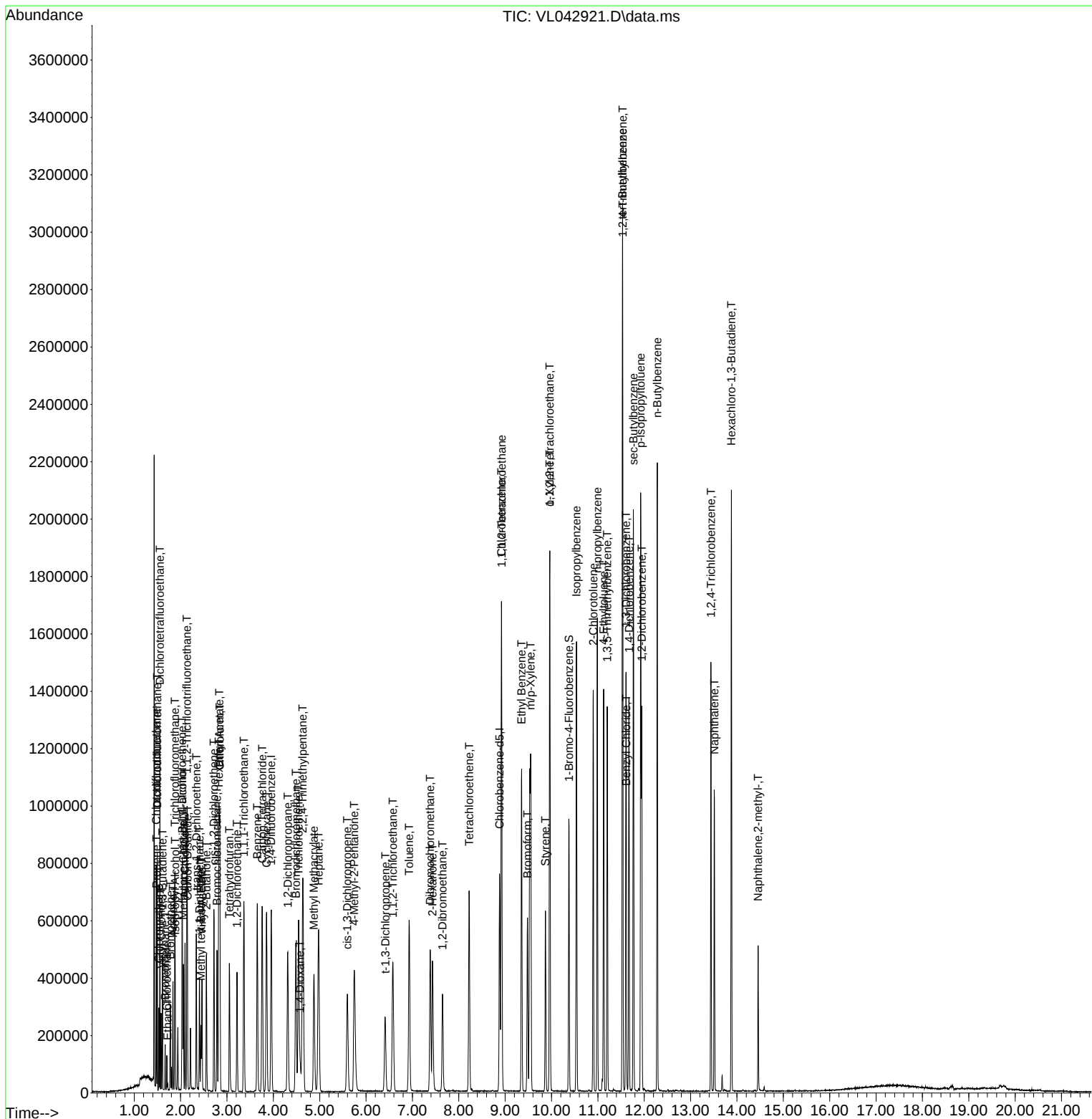
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 ClientSampleId :
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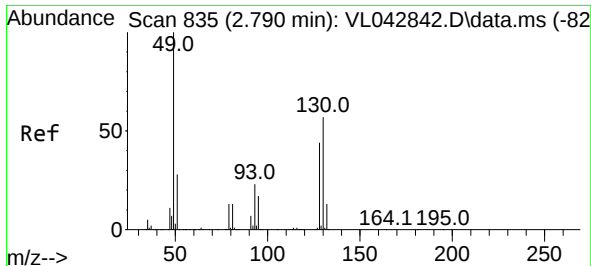
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	216444	10.552	ppbv	99
47) 1,1,2-Trichloroethane	6.577	97	156830	11.446	ppbv	96
48) Dibromochloromethane	7.383	129	251601	11.347	ppbv	98
49) Bromoform	9.484	173	200058	10.940	ppbv	99
50) 4-Methyl-2-Pentanone	5.745	43	395608	11.721	ppbv	96
51) 2-Hexanone	7.432	43	311297	11.721	ppbv #	95
52) Tetrachloroethene	8.225	164	119161	9.302	ppbv	95
53) Toluene	6.930	91	439287	10.435	ppbv	99
54) 1,2-Dibromoethane	7.648	107	219380	10.955	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.924	131	186640	11.809	ppbv	98
57) Chlorobenzene	8.920	112	340369	11.713	ppbv #	97
58) Ethyl Benzene	9.354	91	606281	11.241	ppbv	100
59) m/p-Xylene	9.548	91	450042	10.646	ppbv #	100
60) o-Xylene	9.963	91	502791	11.823	ppbv	100
61) Styrene	9.869	104	206921	10.386	ppbv	99
62) Isopropylbenzene	10.539	105	710629	11.435	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	299792	12.819	ppbv	99
64) n-propylbenzene	10.989	120	183438	11.569	ppbv	93
65) tert-Butylbenzene	11.529	119	616689	11.256	ppbv	97
66) Benzyl Chloride	11.613	91	58646	8.432	ppbv	98
67) sec-Butylbenzene	11.765	105	896657	11.660	ppbv	98
69) p-Isopropyltoluene	11.924	119	727408	11.018	ppbv	99
70) n-Butylbenzene	12.280	91	766483	11.706	ppbv	99
71) 2-Chlorotoluene	10.901	91	542770	11.248	ppbv	96
72) 4-Ethyltoluene	11.125	105	593493	11.513	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	489404	11.164	ppbv	100
74) 1,2,4-Trimethylbenzene	11.536	105	561027	11.659	ppbv	97
75) 1,3-Dichlorobenzene	11.607	146	316381	11.566	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	317342	11.471	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	305223	11.395	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	180011	8.200	ppbv	99
79) Naphthalene	13.513	128	460877	10.565	ppbv	98
80) Naphthalene,2-methyl-	14.455	142	127495	7.821	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	221503	10.102	ppbv	99

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

Quant Time: Sep 11 01:09:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
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QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

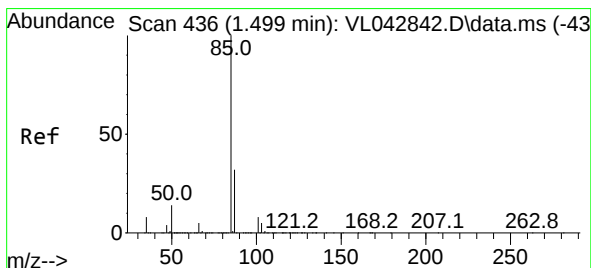
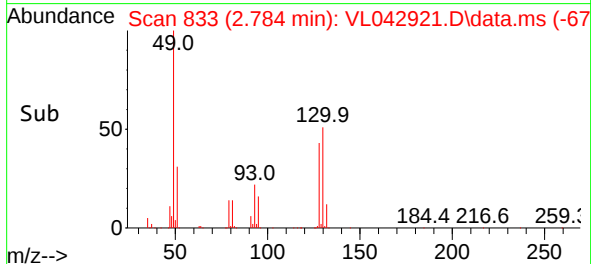
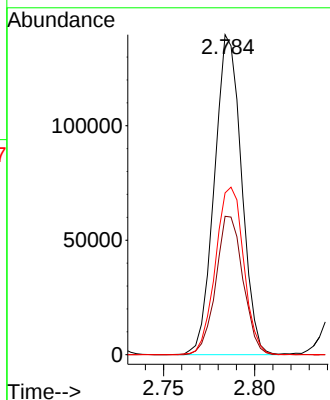
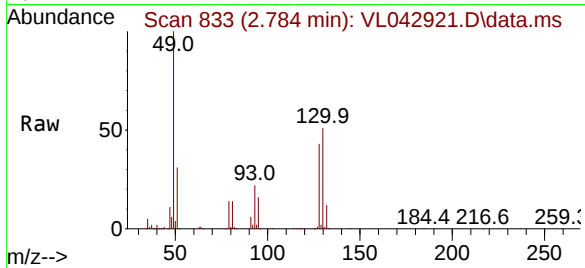




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

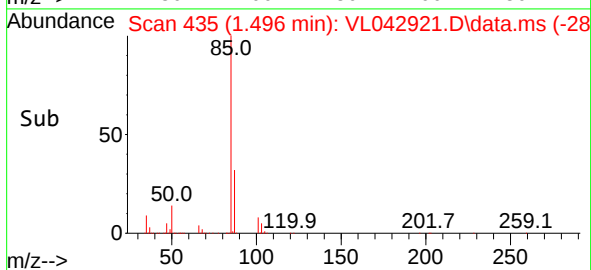
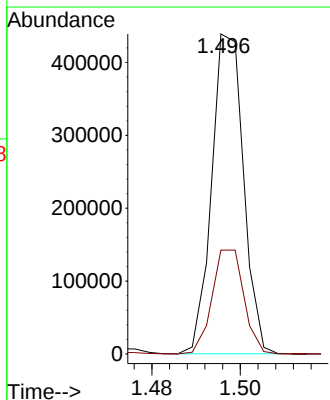
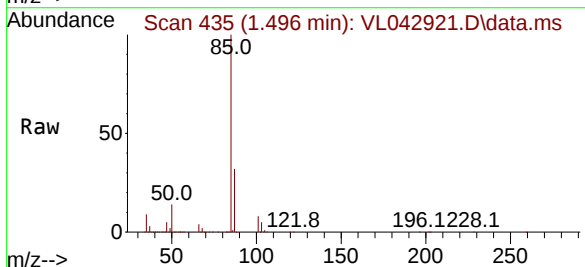
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

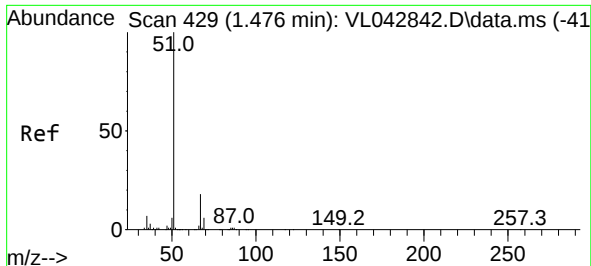
Tgt Ion: 49 Resp: 144491
Ion Ratio Lower Upper
49 100
128 43.4 23.7 71.1
130 54.5 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 10.361 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 85 Resp: 219399
Ion Ratio Lower Upper
85 100
87 32.4 25.3 37.9

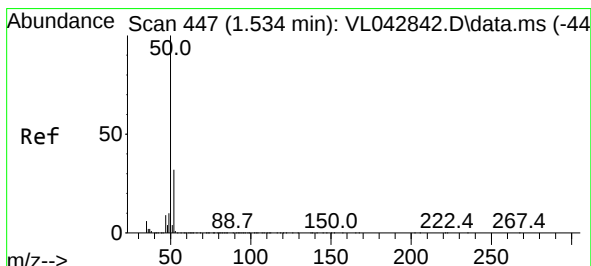
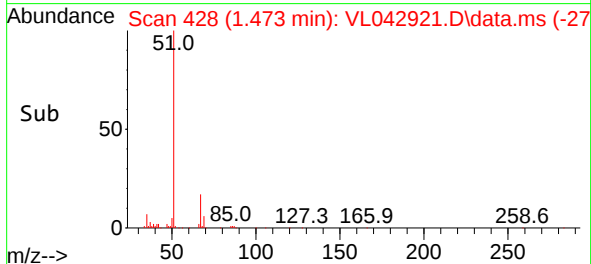
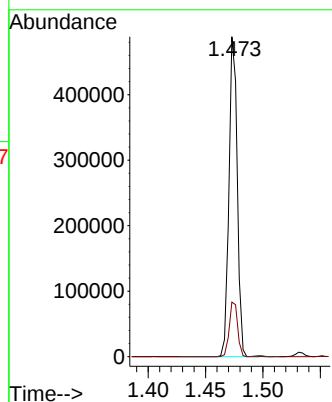
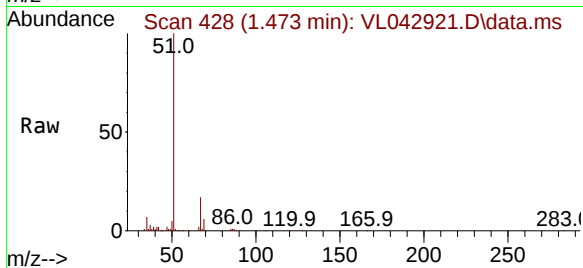




#3
Chlorodifluoromethane
Concen: 10.538 ppbv
RT: 1.473 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

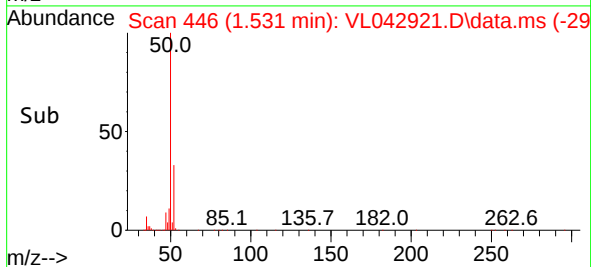
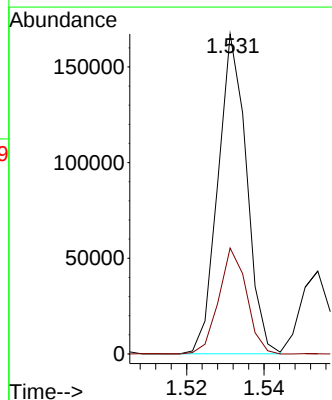
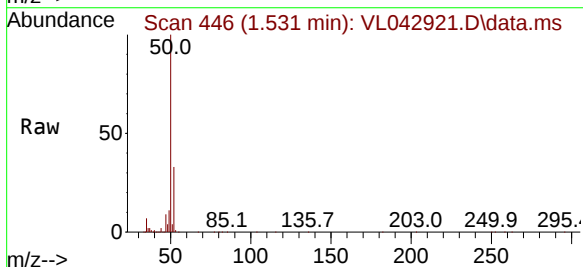
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ClientSampleId :
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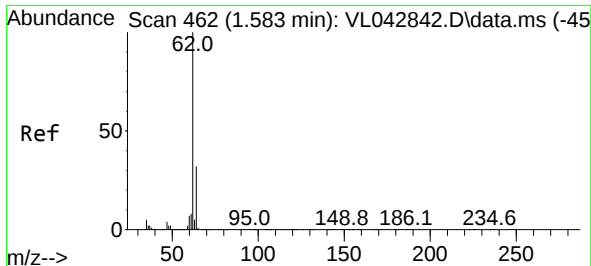
Tgt Ion: 51 Resp: 246673
Ion Ratio Lower Upper
51 100
67 17.3 14.9 22.3



#4
Chloromethane
Concen: 10.034 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 50 Resp: 85744
Ion Ratio Lower Upper
50 100
52 33.1 25.9 38.9

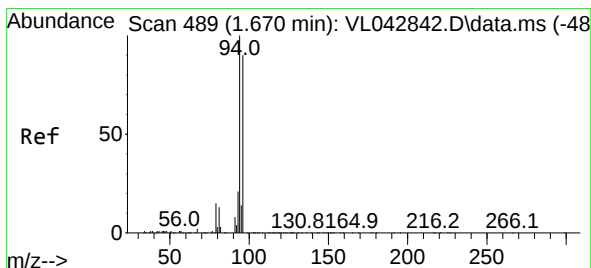
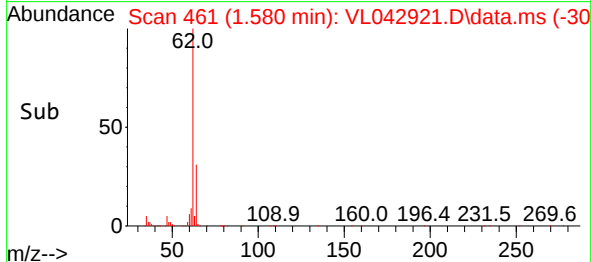
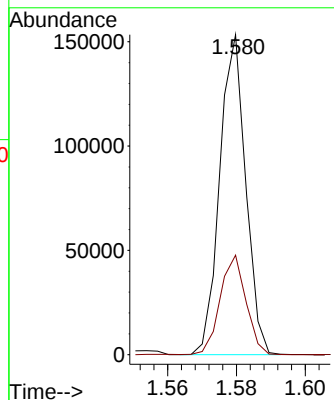
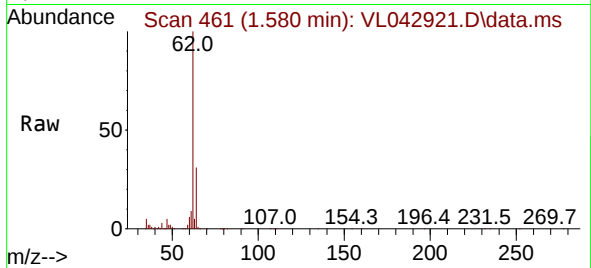




#5
 Vinyl Chloride
 Concen: 9.555 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

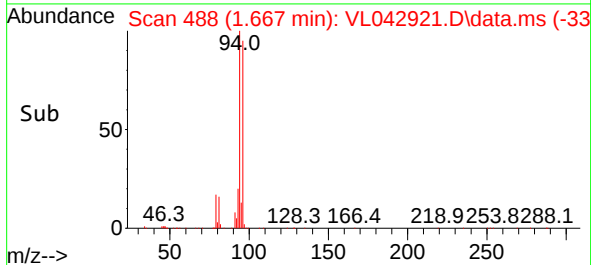
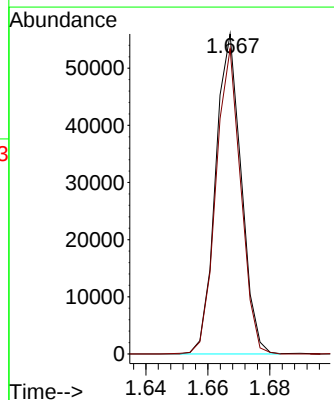
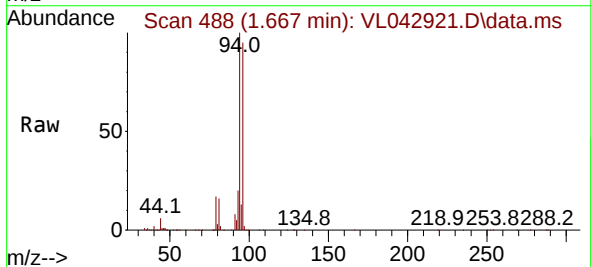
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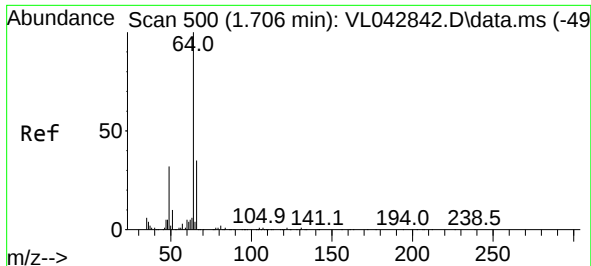
Tgt Ion: 62 Resp: 80418
 Ion Ratio Lower Upper
 62 100
 64 31.0 25.4 38.2



#6
 Bromomethane
 Concen: 9.563 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Tgt Ion: 94 Resp: 32182
 Ion Ratio Lower Upper
 94 100
 96 95.4 72.1 108.1

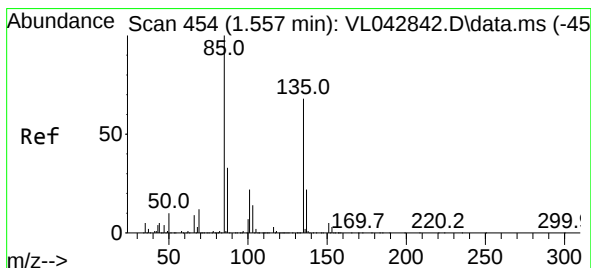
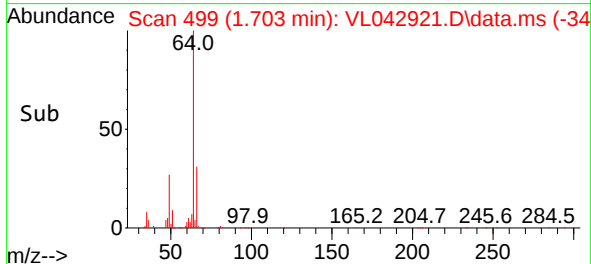
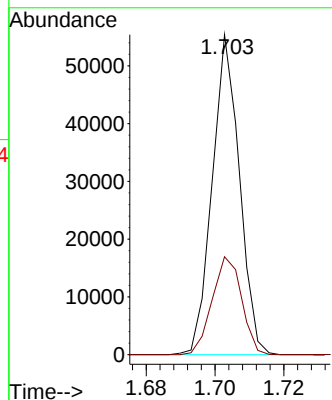
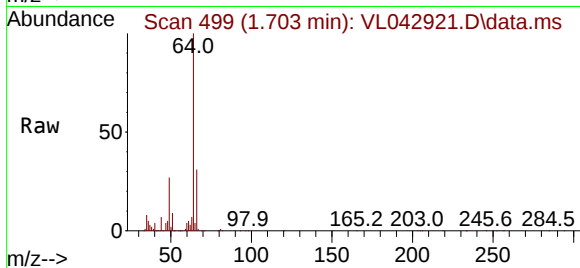




#7
Chloroethane
Concen: 9.235 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

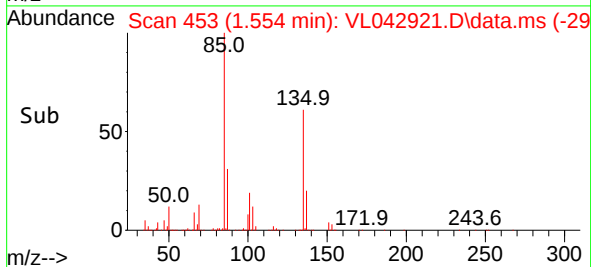
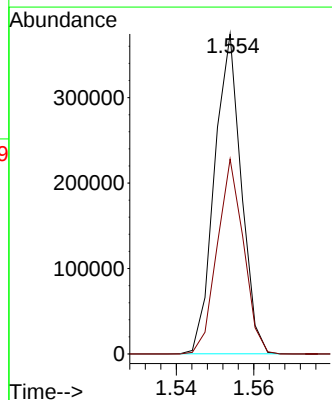
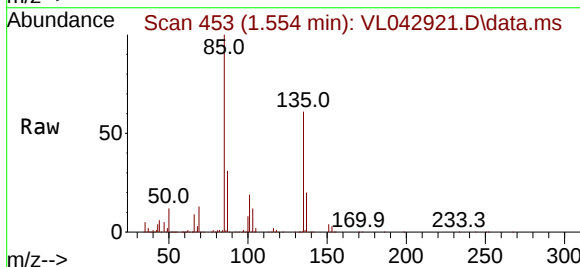
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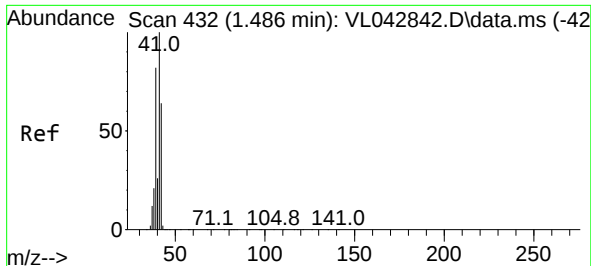
Tgt Ion: 64 Resp: 30351
Ion Ratio Lower Upper
64 100
66 30.6 28.6 42.8



#8
Dichlorotetrafluoroethane
Concen: 10.356 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 85 Resp: 179453
Ion Ratio Lower Upper
85 100
135 60.2 51.2 76.8





#9

Propene

Concen: 5.902 ppbv

RT: 1.479 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

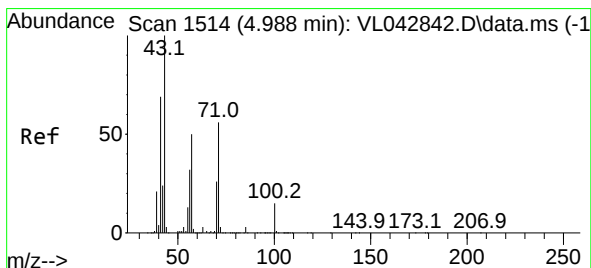
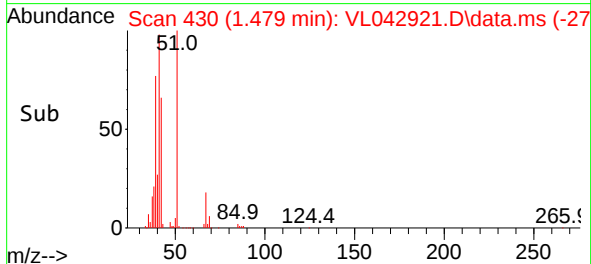
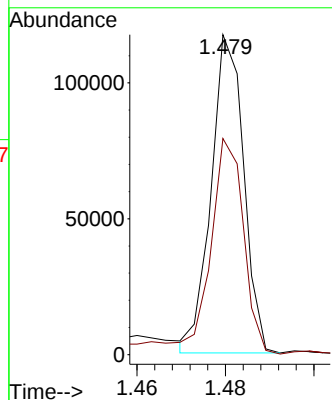
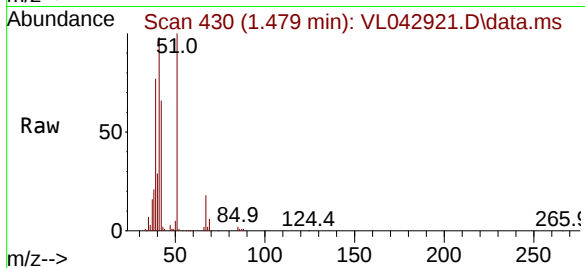
VSTDCCC010

Tgt Ion: 41 Resp: 59661

Ion Ratio Lower Upper

41 100

42 75.1 53.0 79.4



#10

Heptane

Concen: 9.611 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.019 min

Lab File: VL042921.D

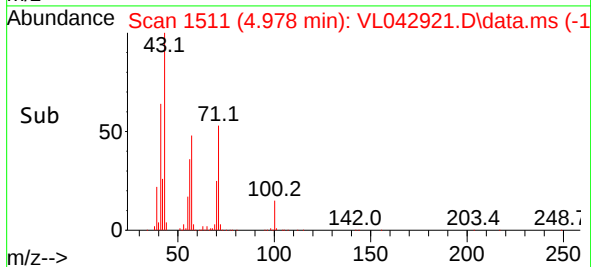
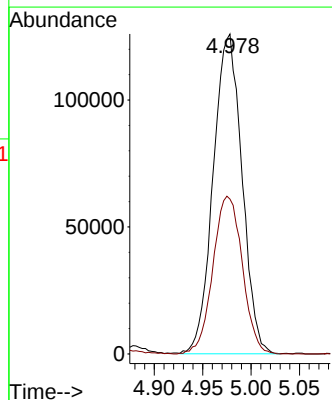
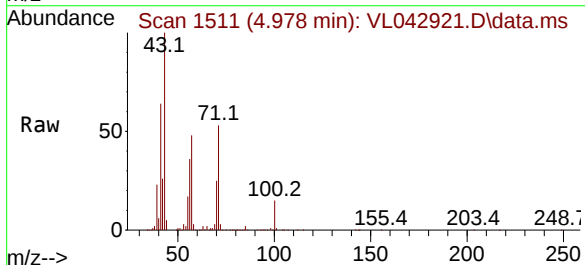
Acq: 10 Sep 2025 09:36

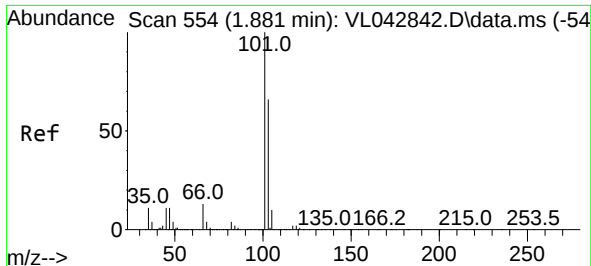
Tgt Ion: 43 Resp: 260221

Ion Ratio Lower Upper

43 100

57 50.4 41.4 62.0

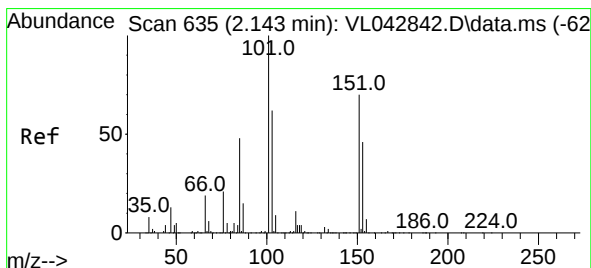
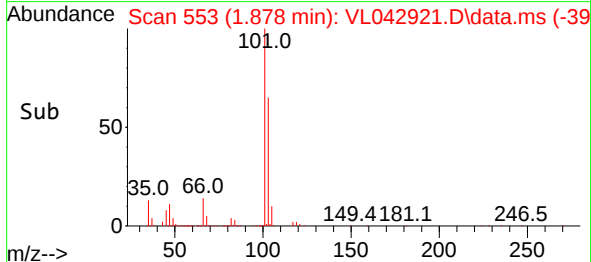
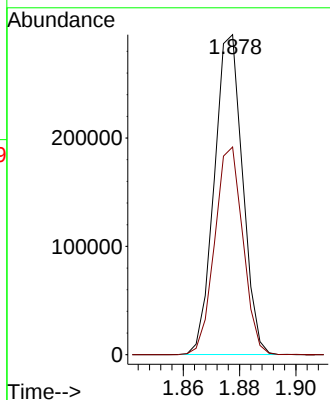
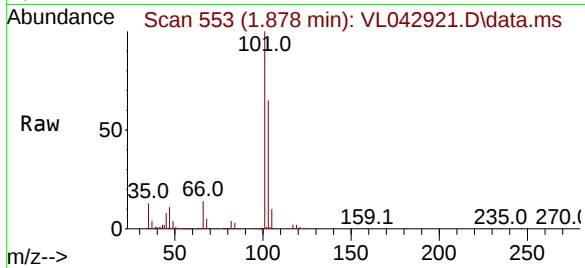




#11
 Trichlorofluoromethane
 Concen: 9.874 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

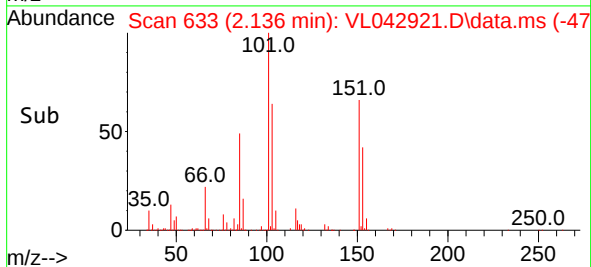
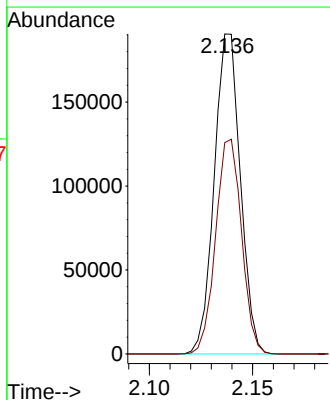
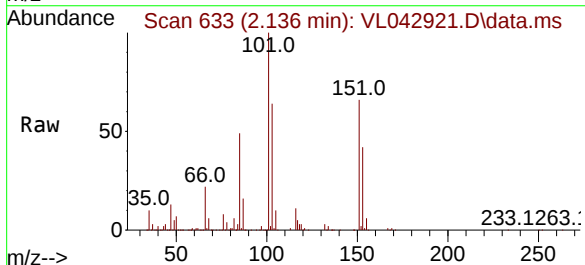
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

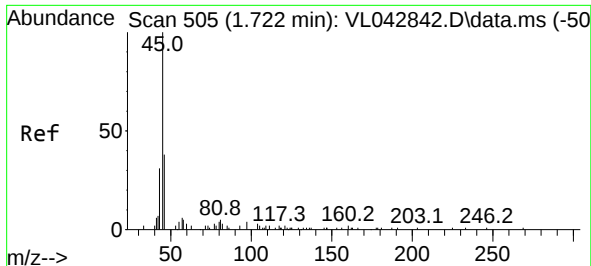
Tgt Ion:101 Resp: 206293
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.067 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. 0.003 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Tgt Ion:101 Resp: 167643
 Ion Ratio Lower Upper
 101 100
 151 66.6 56.4 84.6

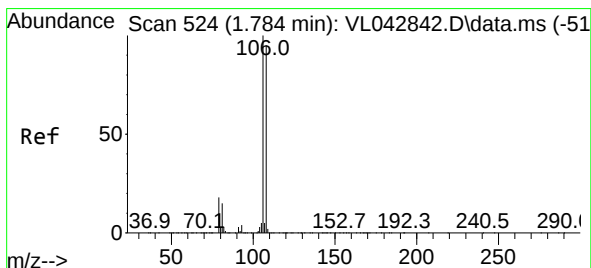
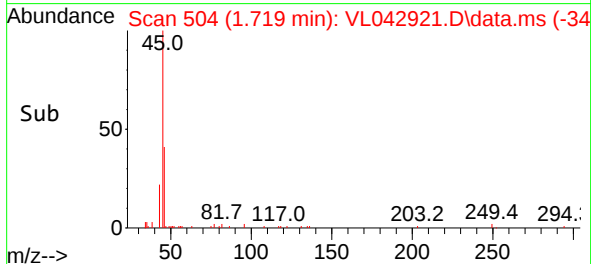
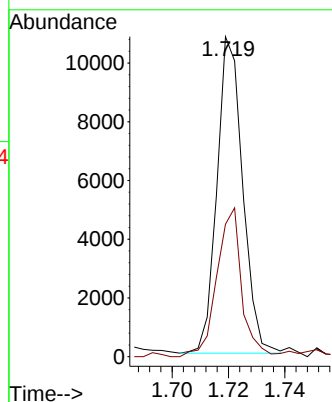
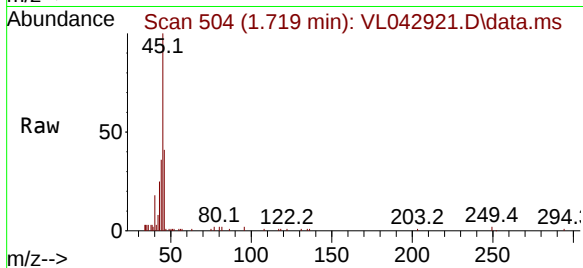




#13
Ethanol
Concen: 7.384 ppbv
RT: 1.719 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

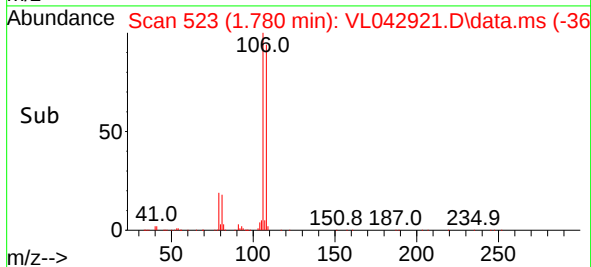
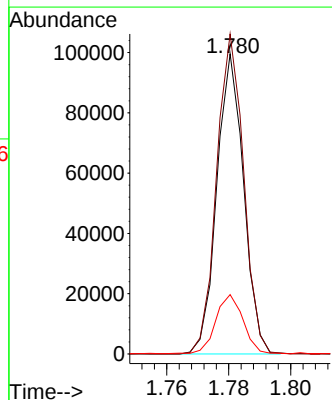
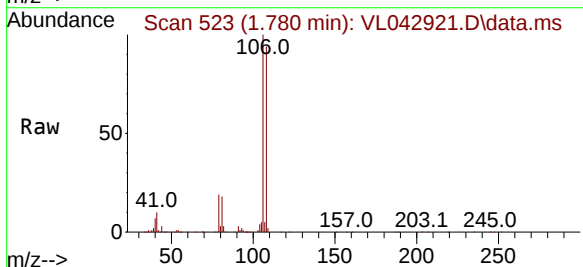
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

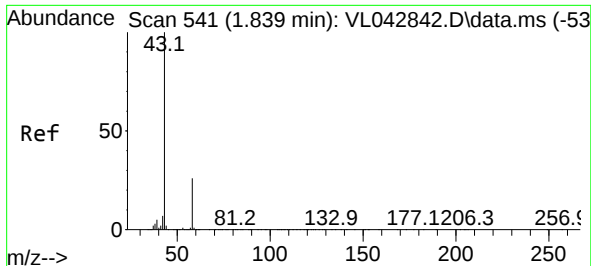
Tgt Ion: 45 Resp: 6825
Ion Ratio Lower Upper
45 100
46 48.6 17.5 69.9



#14
Bromoethene
Concen: 9.928 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 108 Resp: 59848
Ion Ratio Lower Upper
108 100
106 107.3 85.1 127.7
79 21.1 16.3 24.5

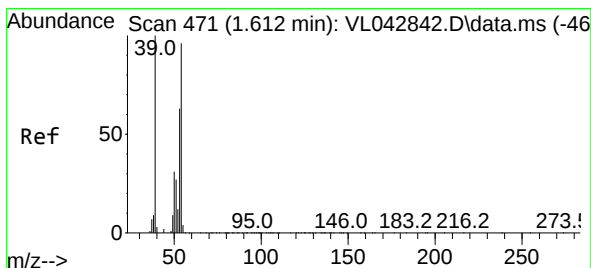
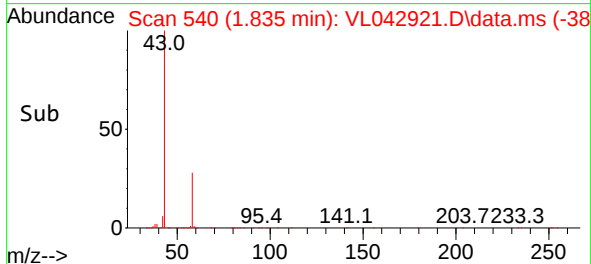
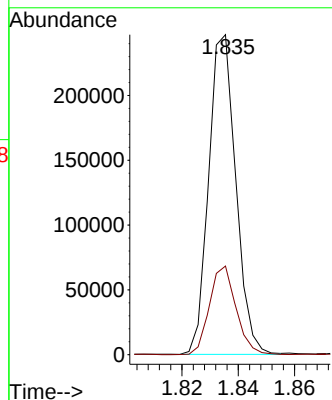
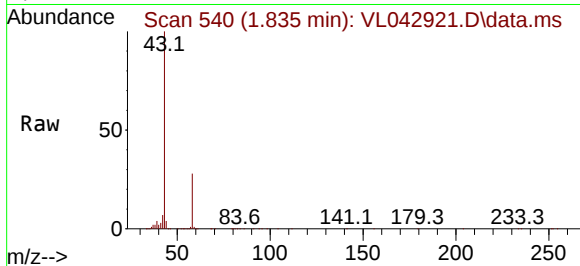




#15
Acetone
Concen: 8.634 ppbv
RT: 1.835 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

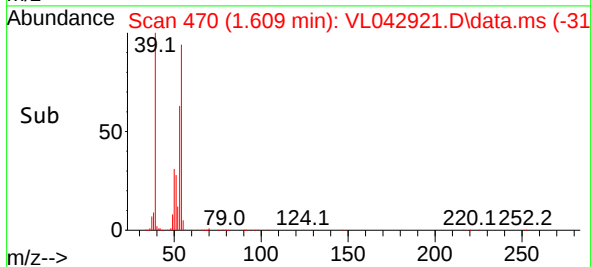
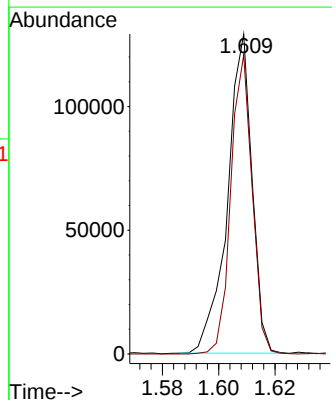
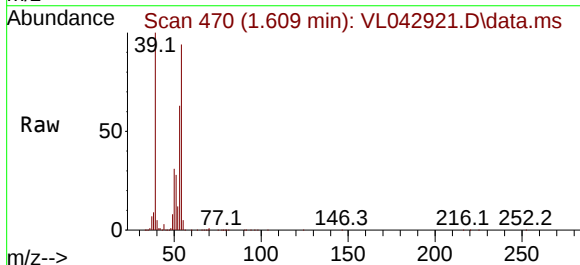
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

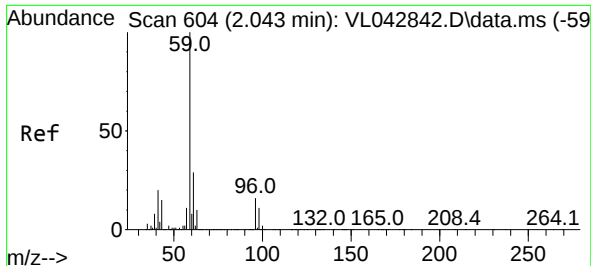
Tgt Ion: 43 Resp: 165034
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6



#16
1,3-Butadiene
Concen: 9.036 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 39 Resp: 78297
Ion Ratio Lower Upper
39 100
54 80.9 63.6 95.4





#17

tert-Butyl alcohol

Concen: 8.077 ppbv

RT: 2.039 min Scan# 60

Delta R.T. 0.006 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

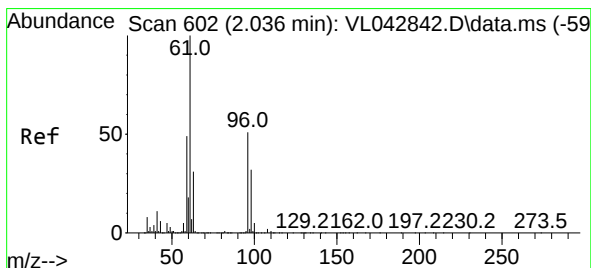
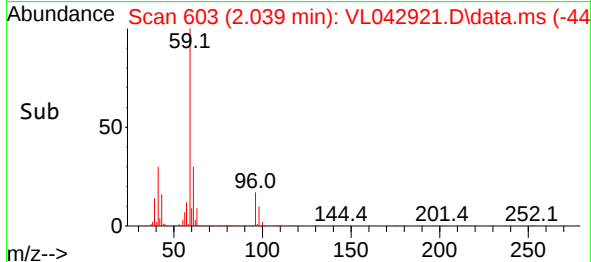
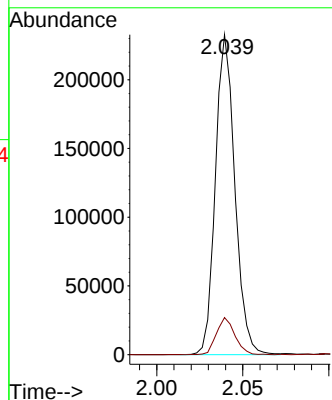
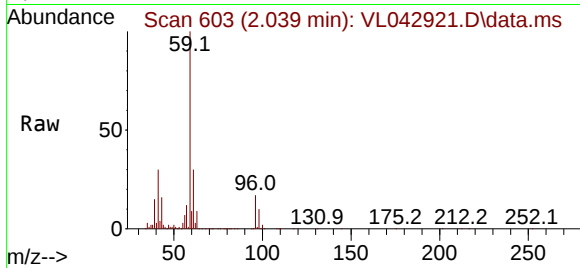
VSTDCCC010

Tgt Ion: 59 Resp: 183075

Ion Ratio Lower Upper

59 100

57 11.1 9.0 13.4



#18

1,1-Dichloroethene

Concen: 10.129 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.006 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

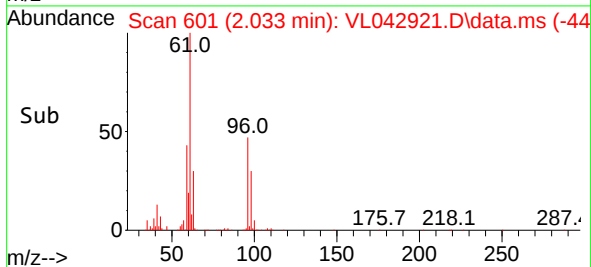
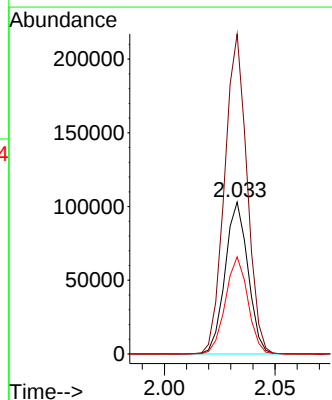
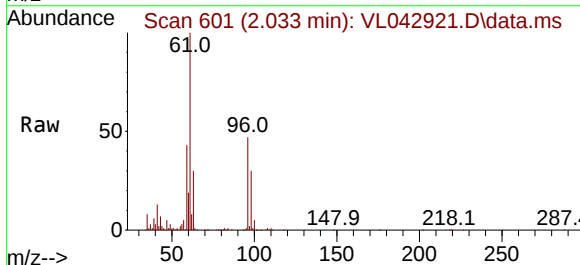
Tgt Ion: 96 Resp: 74153

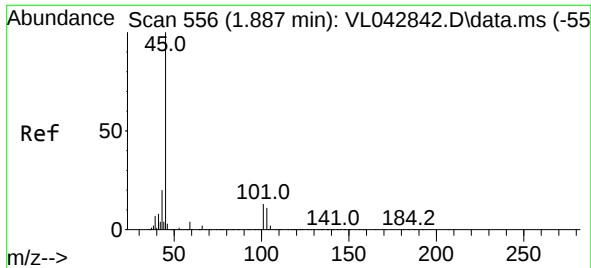
Ion Ratio Lower Upper

96 100

61 210.7 158.2 237.4

98 63.9 50.6 76.0

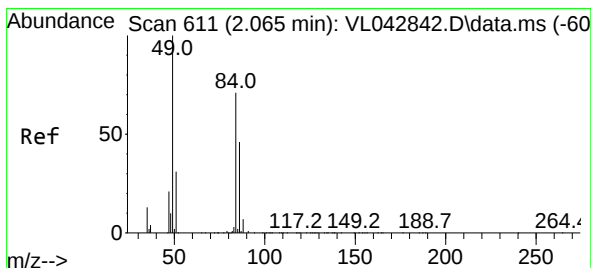
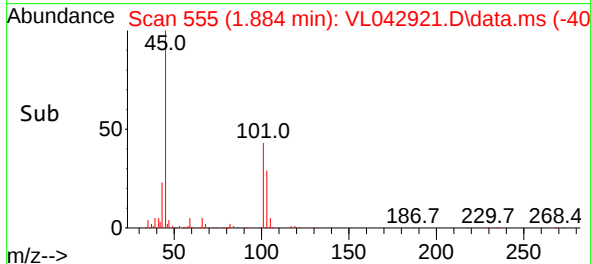
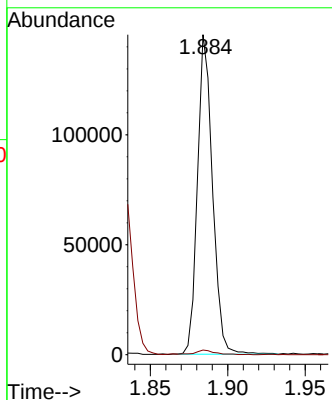
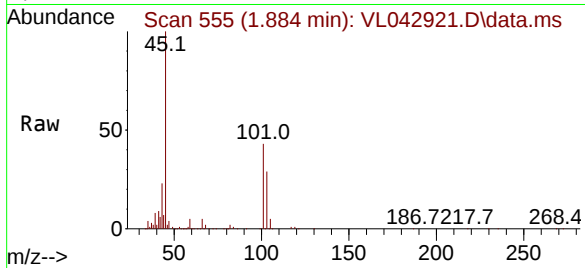




#19
Isopropyl Alcohol
Concen: 8.632 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

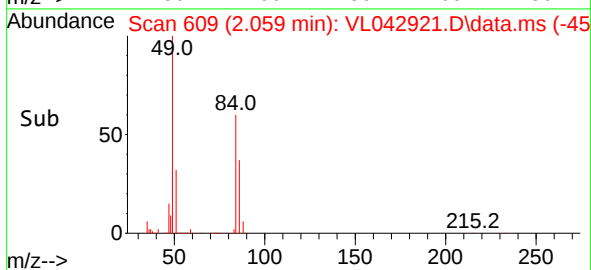
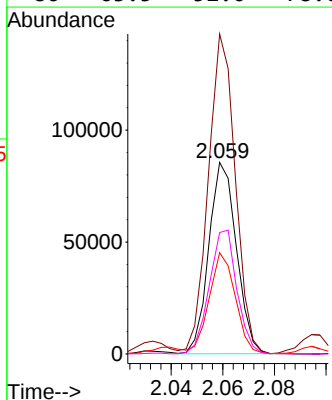
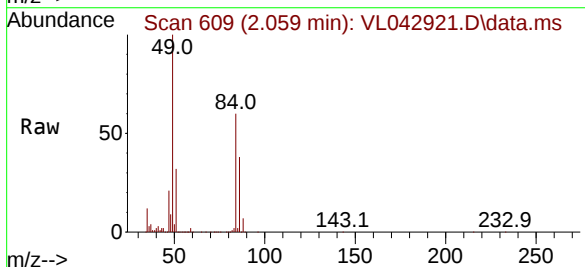
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

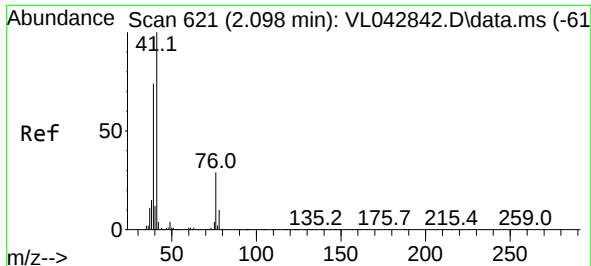
Tgt Ion: 45 Resp: 98538
Ion Ratio Lower Upper
45 100
58 45.9 32.7 49.1



#20
Methylene Chloride
Concen: 7.929 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 84 Resp: 63489
Ion Ratio Lower Upper
84 100
49 166.9 112.3 168.5
51 52.7 36.0 54.0
86 63.5 52.0 78.0

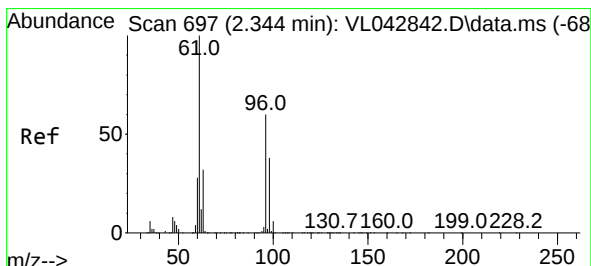
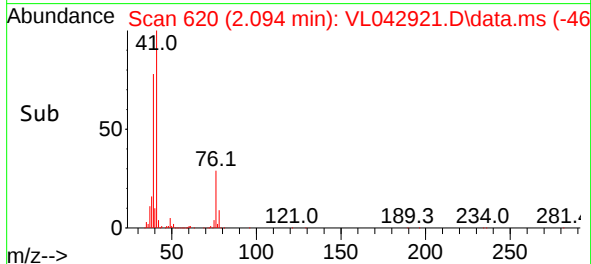
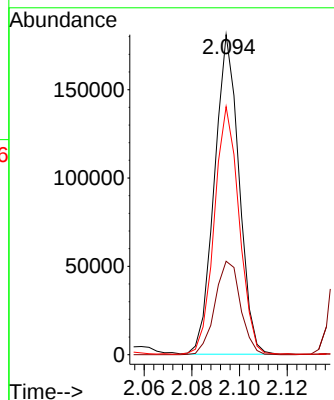
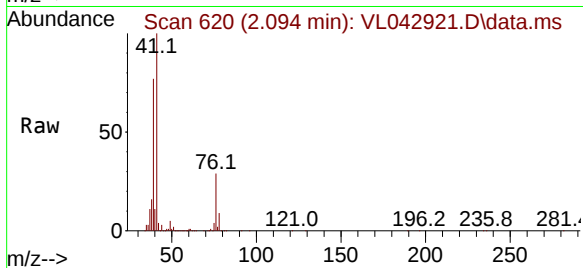




#21
 Allyl Chloride
 Concen: 9.586 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

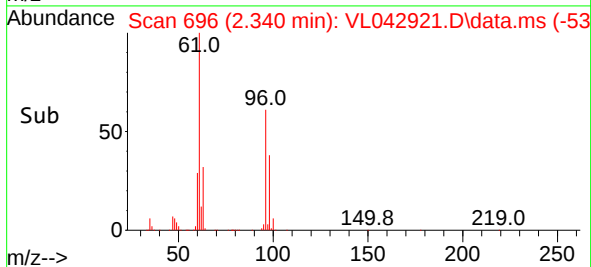
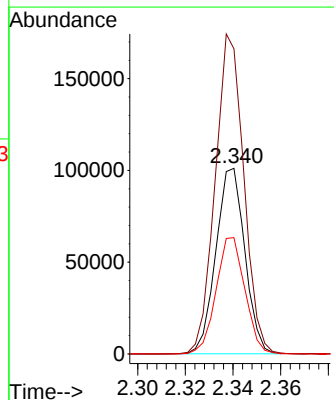
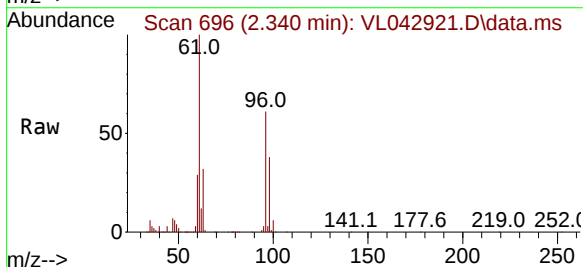
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

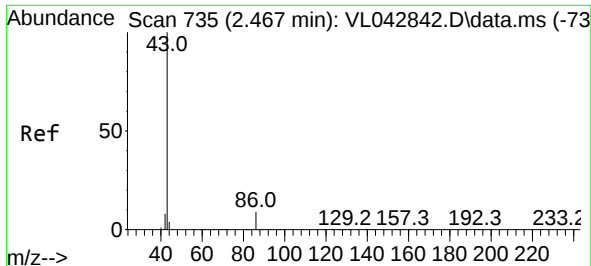
Tgt Ion: 41 Resp: 129434
 Ion Ratio Lower Upper
 41 100
 76 30.4 23.9 35.9
 39 78.0 57.8 86.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.071 ppbv
 RT: 2.340 min Scan# 696
 Delta R.T. 0.010 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Tgt Ion: 96 Resp: 85301
 Ion Ratio Lower Upper
 96 100
 61 164.3 132.6 199.0
 98 62.7 50.0 75.0



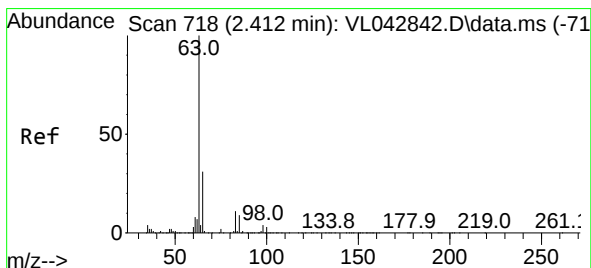
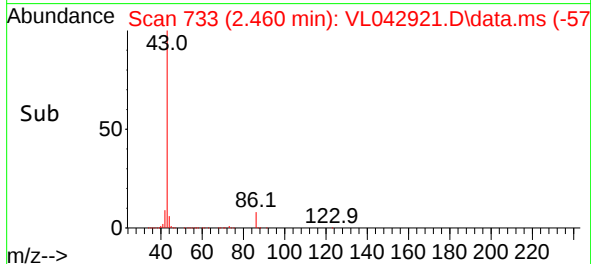
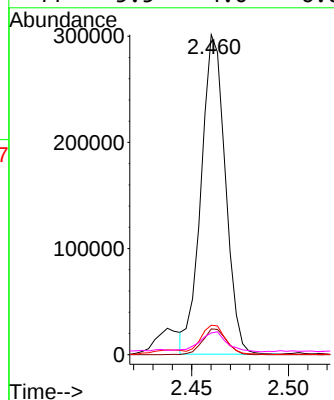
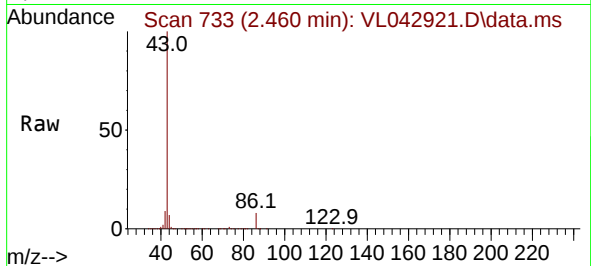


#23
 Vinyl Acetate
 Concen: 9.965 ppbv
 RT: 2.460 min Scan# 717
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 261874

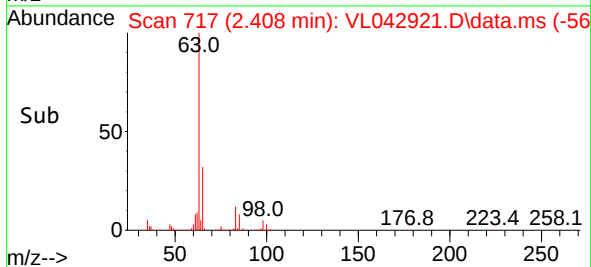
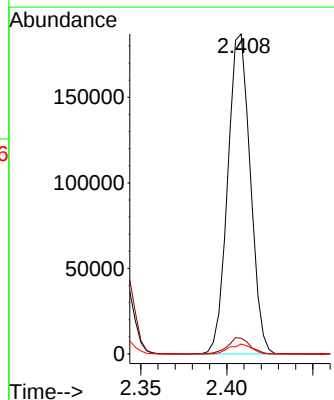
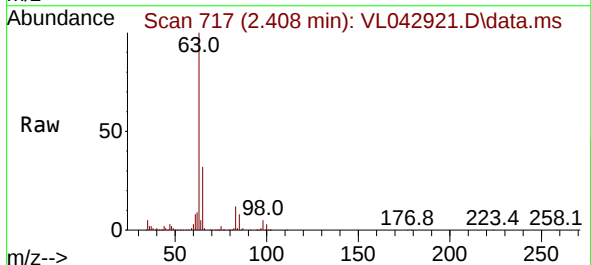
Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	9.8
42	9.1	7.0	10.6
44	5.5	4.0	6.0

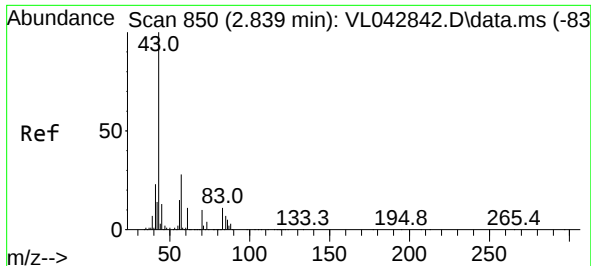


#24
 1,1-Dichloroethane
 Concen: 10.066 ppbv
 RT: 2.408 min Scan# 717
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Tgt Ion: 63 Resp: 170273

Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.1	6.5
100	3.1	1.7	5.1



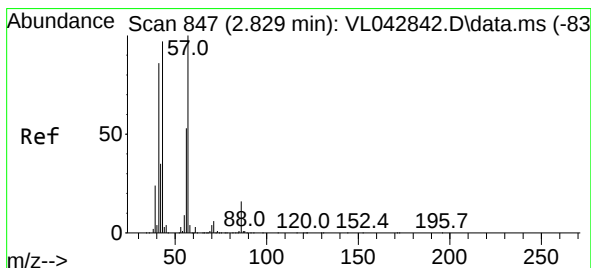
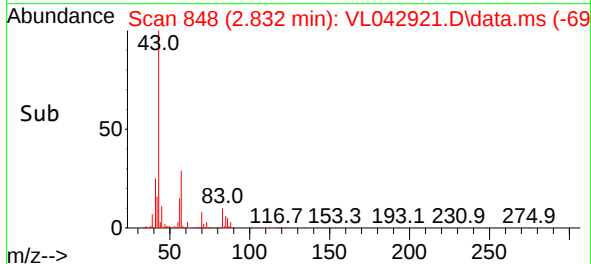
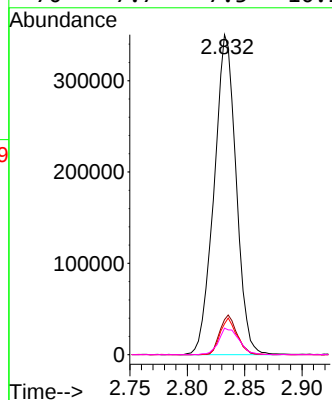
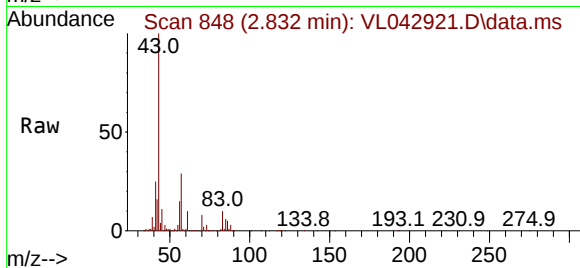


#25
Ethyl Acetate
Concen: 10.123 ppbv
RT: 2.832 min Scan# 845
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 468275

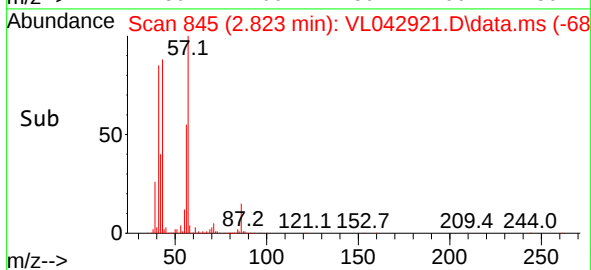
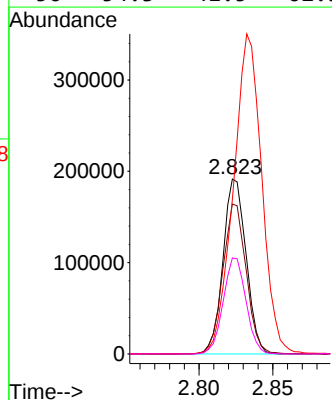
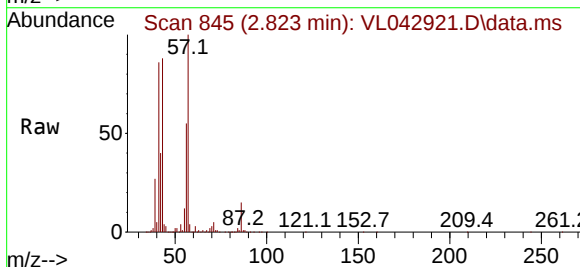
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.1	12.1
61	8.9	7.4	11.2
70	7.7	7.3	10.9

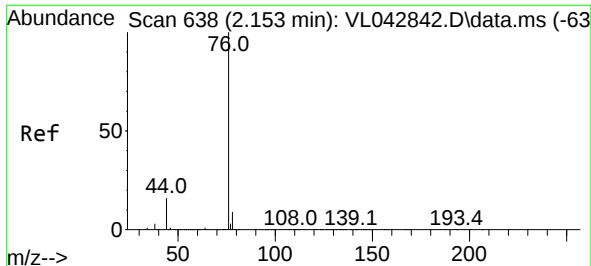


#26
Hexane
Concen: 9.745 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 57 Resp: 208072

Ion	Ratio	Lower	Upper
57	100		
41	87.4	68.6	103.0
43	225.3	168.5	252.7
56	54.3	41.5	62.3

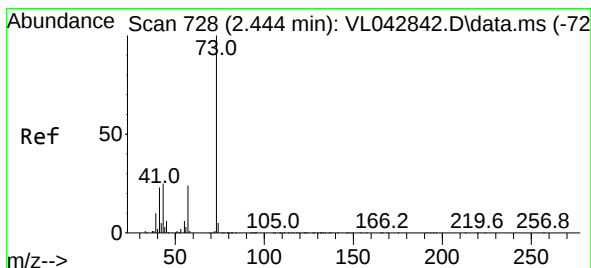
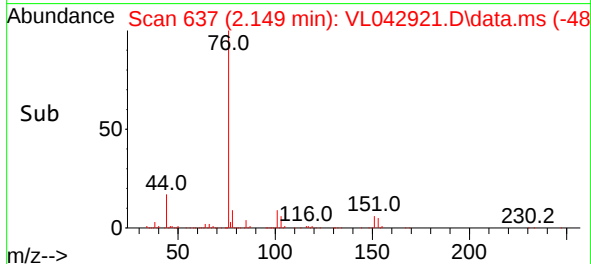
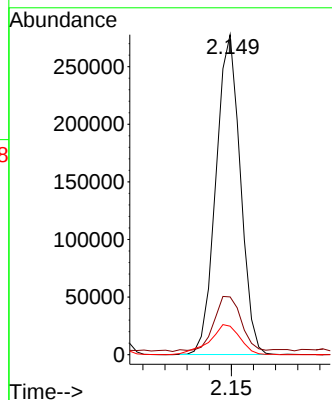
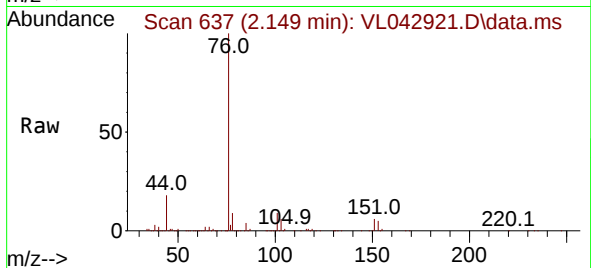




#27
Carbon Disulfide
Concen: 10.221 ppbv
RT: 2.149 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

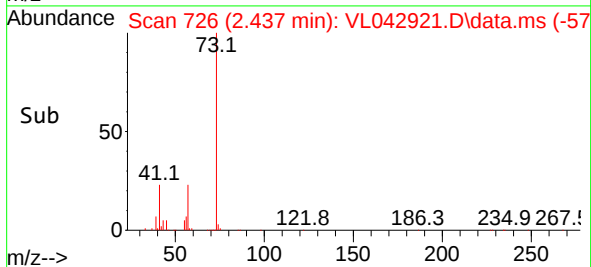
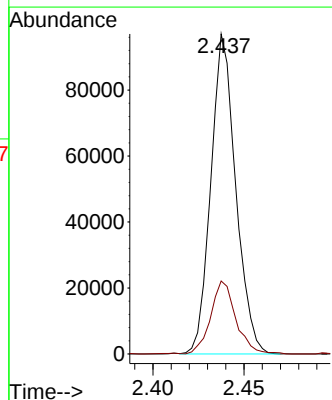
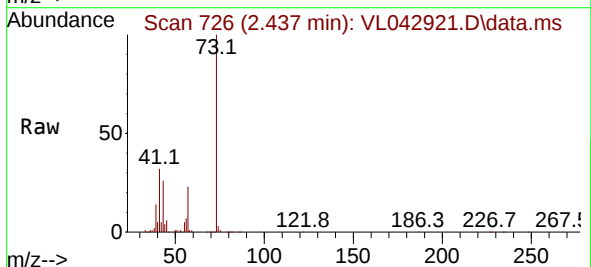
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

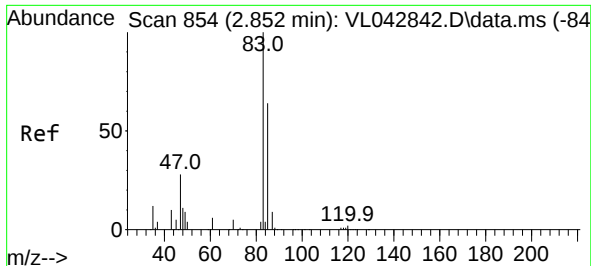
Tgt Ion: 76 Resp: 212382
Ion Ratio Lower Upper
76 100
44 20.1 15.9 23.9
78 11.8 9.5 14.3



#28
Methyl tert-Butyl Ether
Concen: 8.471 ppbv
RT: 2.437 min Scan# 726
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 73 Resp: 92228
Ion Ratio Lower Upper
73 100
57 23.2 21.6 32.4





#29

Chloroform

Concen: 9.966 ppbv

RT: 2.845 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

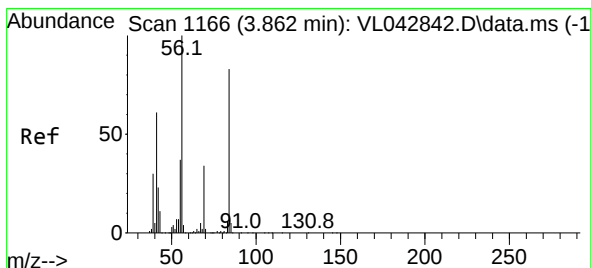
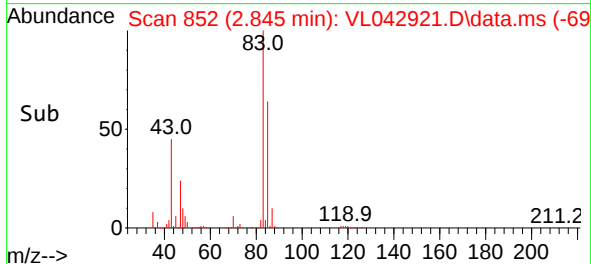
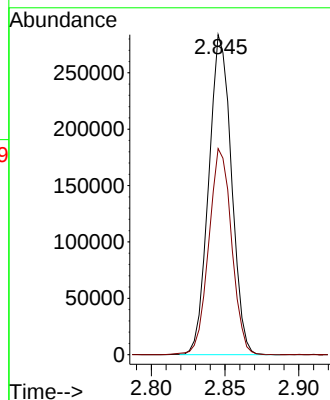
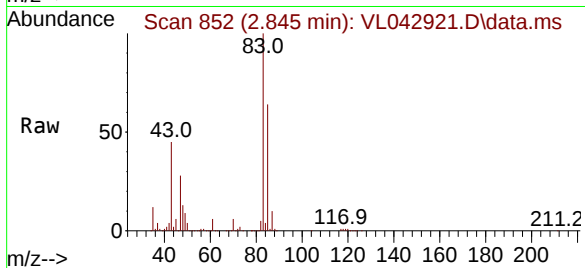
VSTDCCC010

Tgt Ion: 83 Resp: 303826

Ion Ratio Lower Upper

83 100

85 64.4 51.1 76.7



#30

Cyclohexane

Concen: 8.974 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.013 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

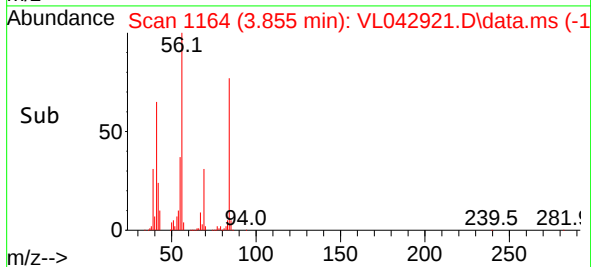
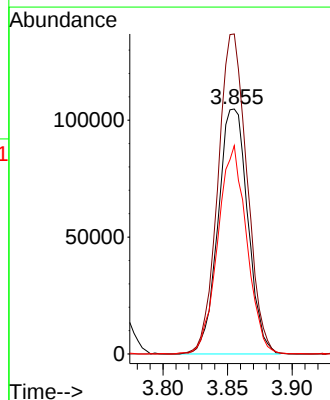
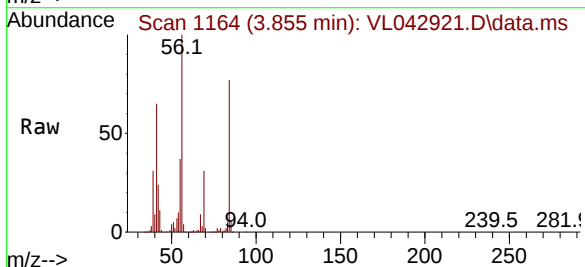
Tgt Ion: 84 Resp: 168007

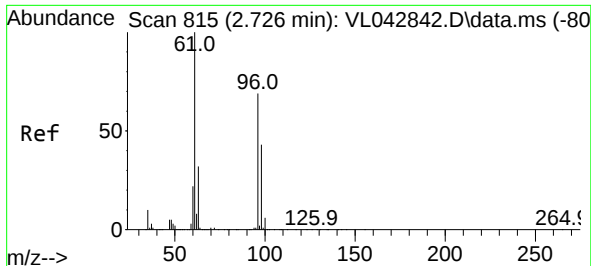
Ion Ratio Lower Upper

84 100

56 127.5 98.8 148.2

41 82.4 61.3 91.9

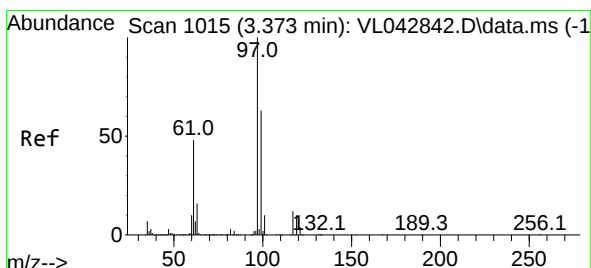
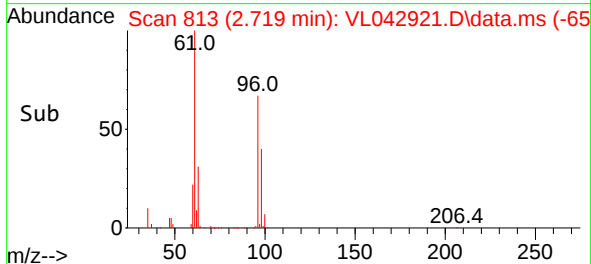
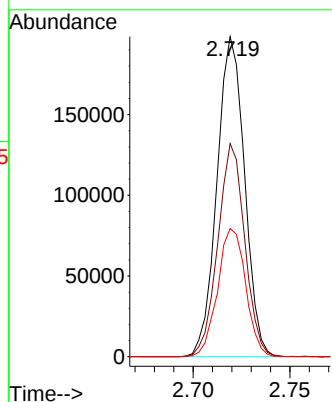
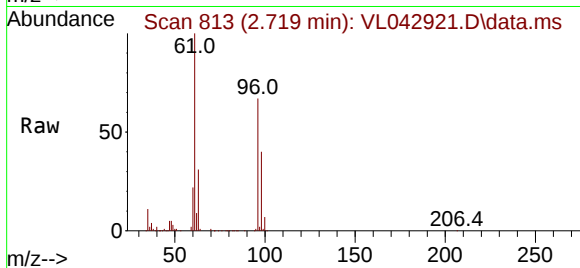




#31
 cis-1,2-Dichloroethene
 Concen: 9.216 ppbv
 RT: 2.719 min Scan# 815
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

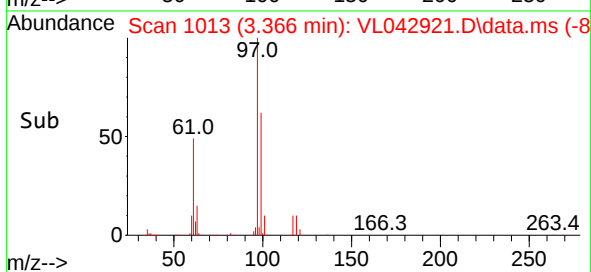
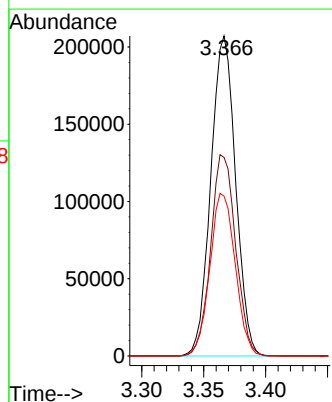
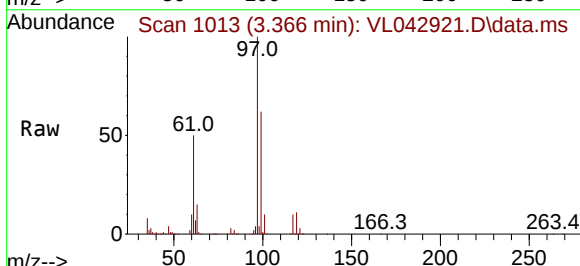
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

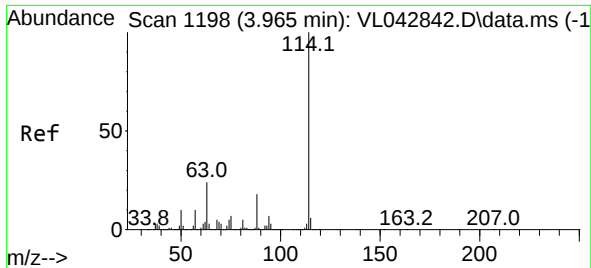
Tgt Ion: 61 Resp: 196556
 Ion Ratio Lower Upper
 61 100
 96 66.6 55.0 82.6
 98 40.1 34.3 51.5



#32
 1,1,1-Trichloroethane
 Concen: 8.966 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. 0.010 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Tgt Ion: 97 Resp: 288888
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.0 76.6
 61 52.1 38.0 57.0

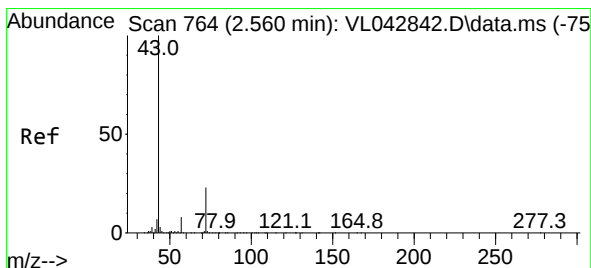
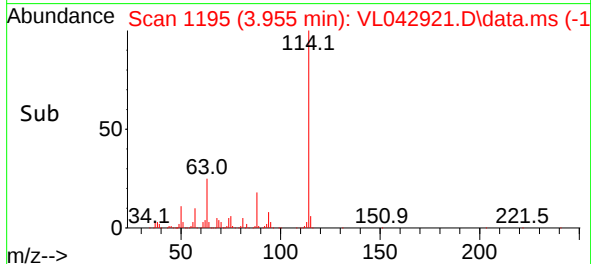
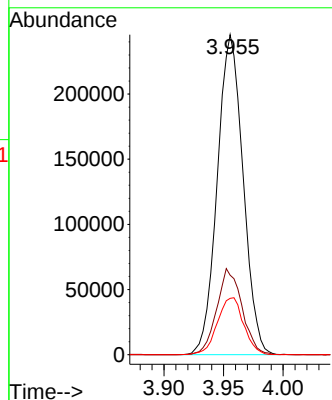
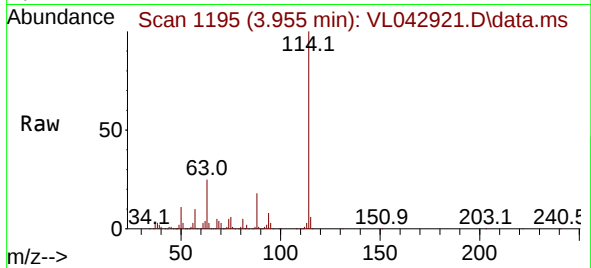




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1198
Delta R.T. 0.013 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

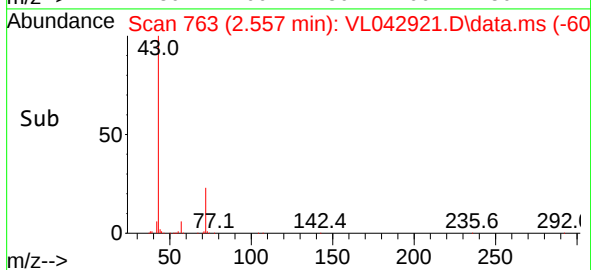
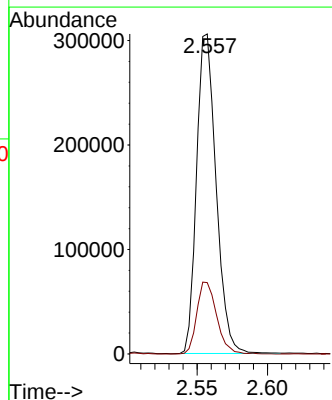
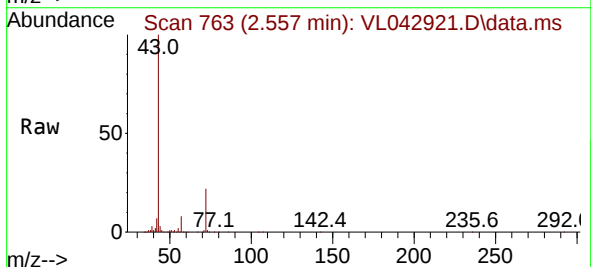
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

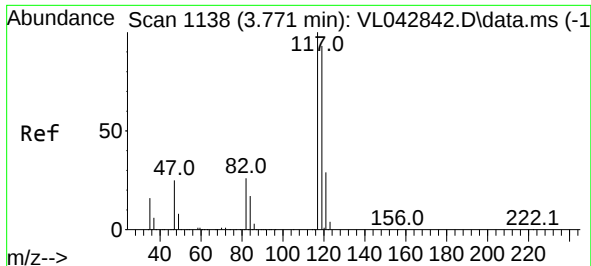
Tgt Ion:114 Resp: 369791
Ion Ratio Lower Upper
114 100
63 26.3 19.7 29.5
88 18.1 14.4 21.6



#34
2-Butanone
Concen: 11.800 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 43 Resp: 294642
Ion Ratio Lower Upper
43 100
72 22.9 18.6 28.0

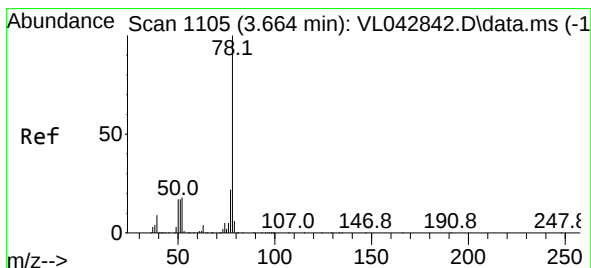
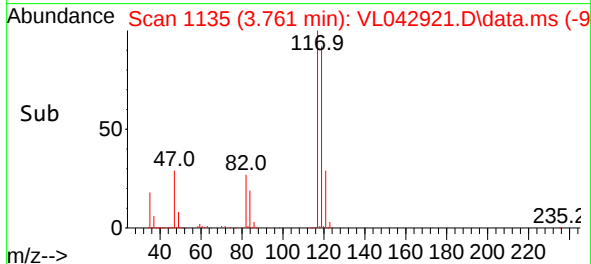
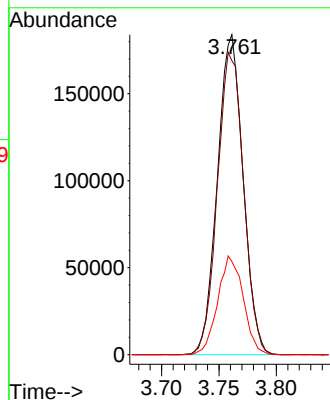
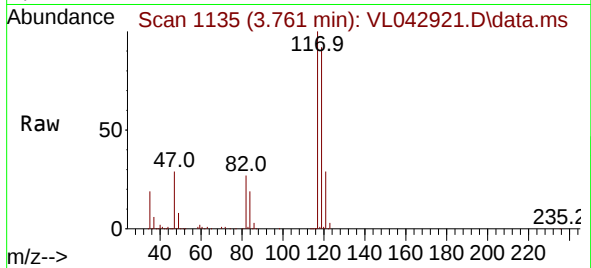




#35
Carbon Tetrachloride
Concen: 11.243 ppbv
RT: 3.761 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

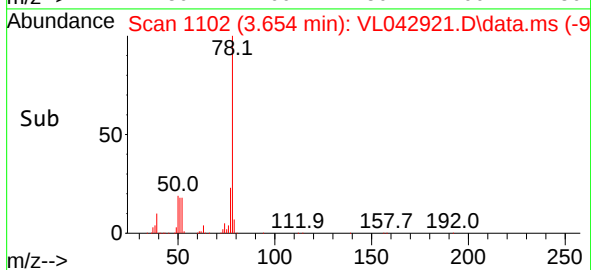
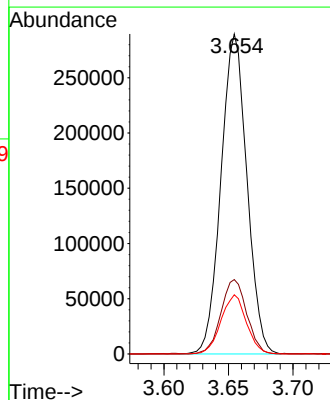
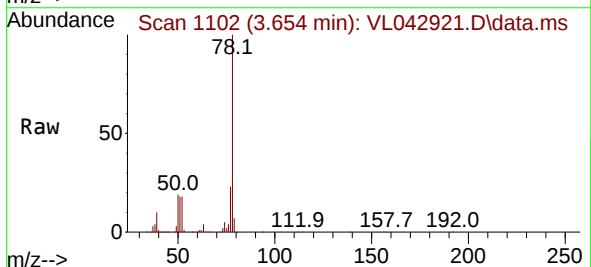
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

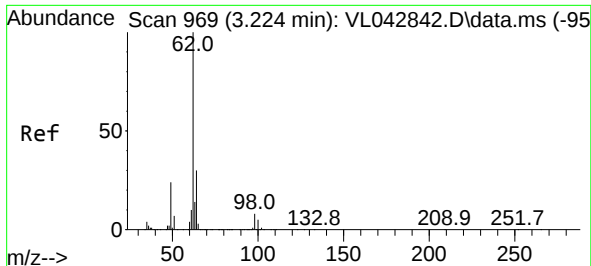
Tgt Ion:117 Resp: 286634
Ion Ratio Lower Upper
117 100
119 91.9 74.7 112.1
121 29.1 23.2 34.8



#36
Benzene
Concen: 11.415 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 78 Resp: 404205
Ion Ratio Lower Upper
78 100
77 23.2 17.7 26.5
50 18.5 13.9 20.9





#37

1,2-Dichloroethane

Concen: 12.174 ppbv

RT: 3.217 min Scan# 9

Delta R.T. 0.010 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

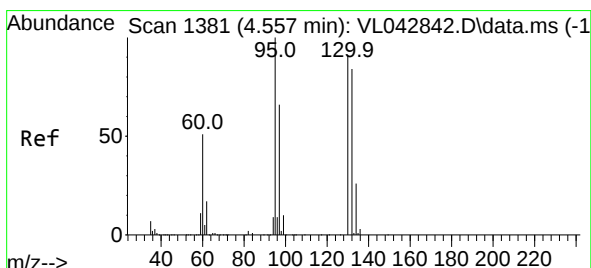
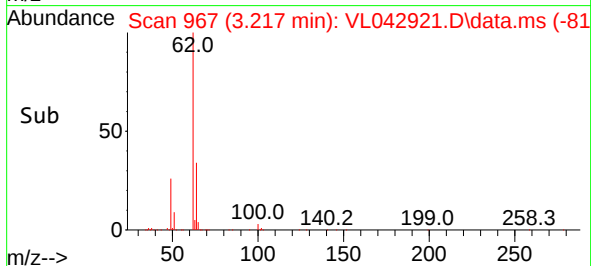
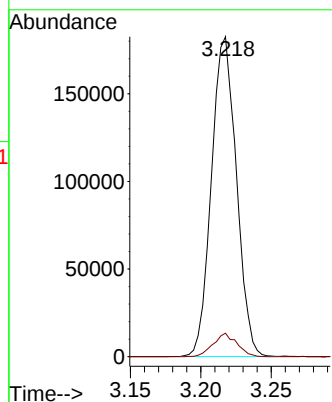
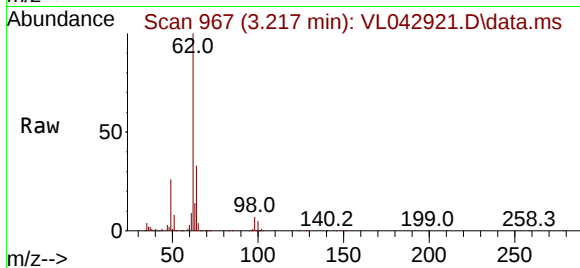
VSTDCCC010

Tgt Ion: 62 Resp: 225218

Ion Ratio Lower Upper

62 100

98 6.9 5.9 8.9



#38

Trichloroethene

Concen: 10.123 ppbv

RT: 4.545 min Scan# 1377

Delta R.T. 0.013 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Tgt Ion:130 Resp: 163714

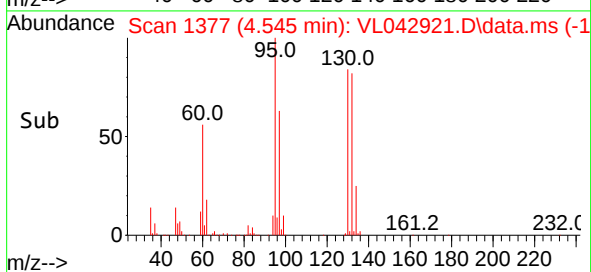
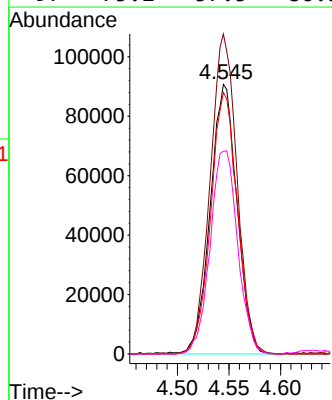
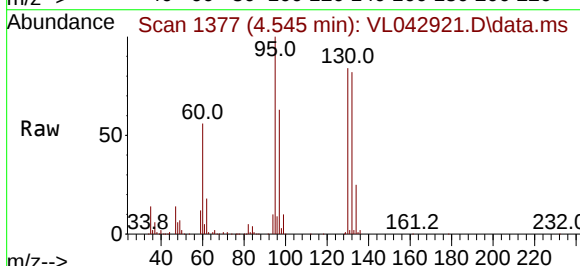
Ion Ratio Lower Upper

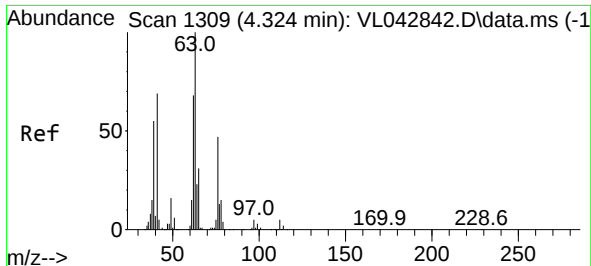
130 100

95 118.7 87.6 131.4

132 97.0 73.8 110.8

97 75.2 57.5 86.3





#39

1,2-Dichloropropane

Concen: 11.982 ppbv

RT: 4.311 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

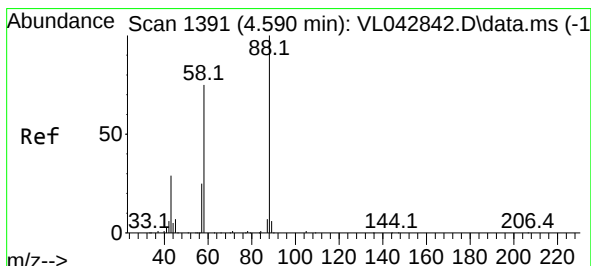
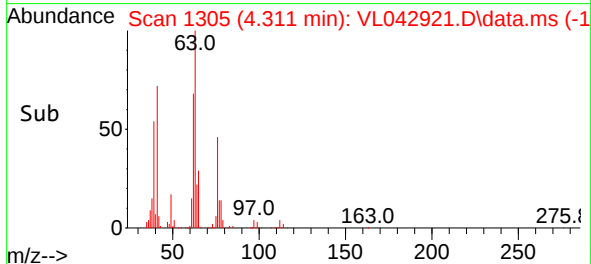
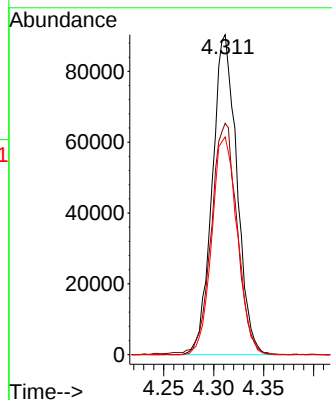
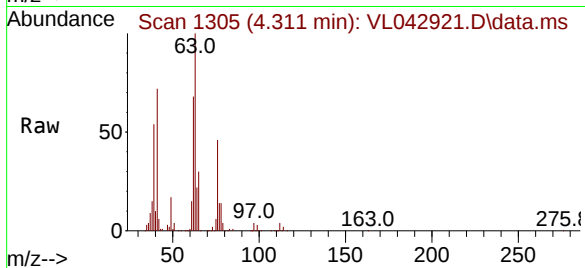
Tgt Ion: 63 Resp: 154962

Ion Ratio Lower Upper

63 100

41 72.2 55.0 82.4

62 68.0 54.4 81.6



#40

1,4-Dioxane

Concen: 9.443 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.016 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Tgt Ion: 88 Resp: 58073

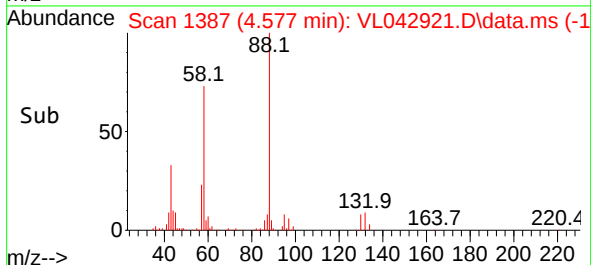
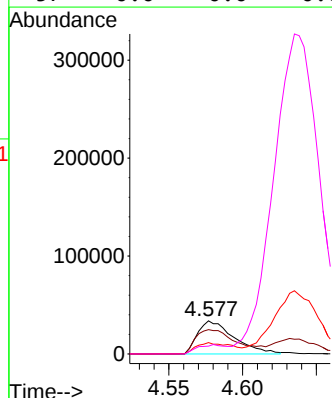
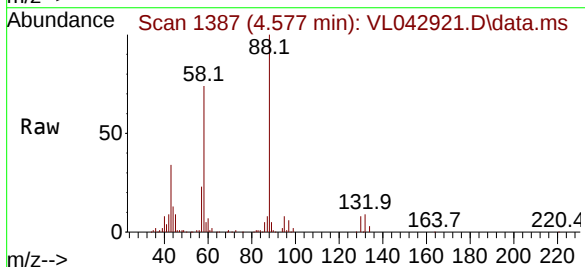
Ion Ratio Lower Upper

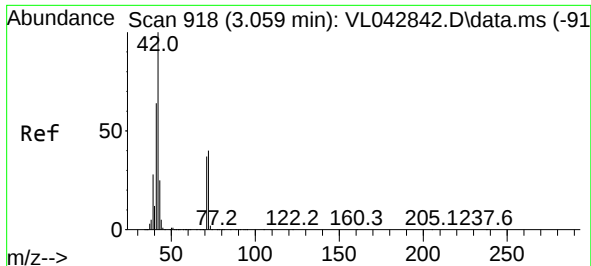
88 100

58 79.0 53.8 80.6

43 34.1 22.8 34.2

57 0.0 0.0 0.0

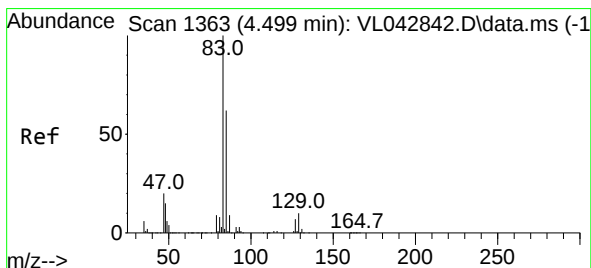
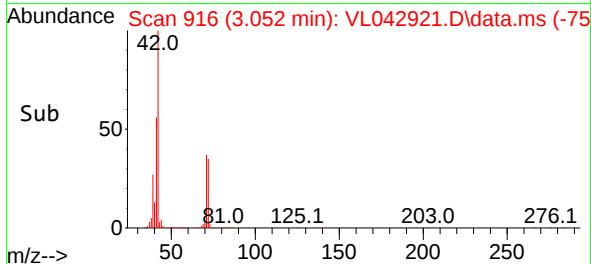
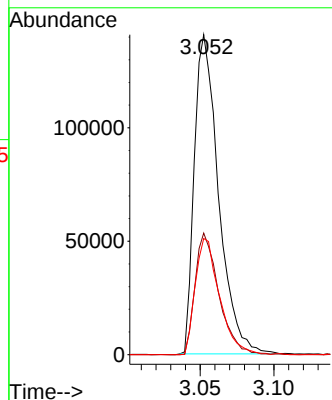
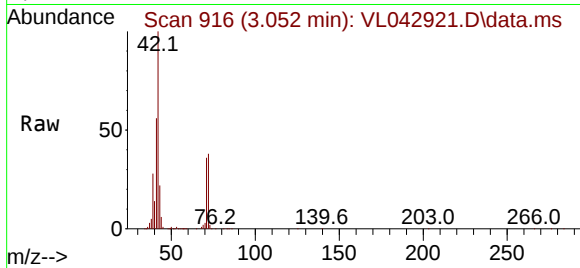




#41
Tetrahydrofuran
Concen: 11.551 ppbv
RT: 3.052 min Scan# 918
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

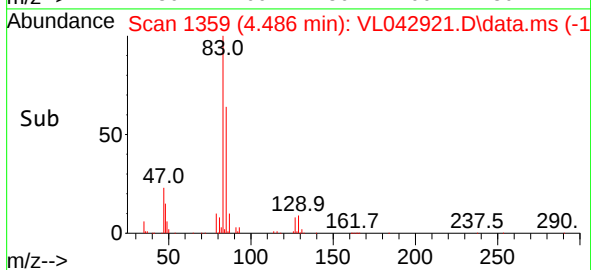
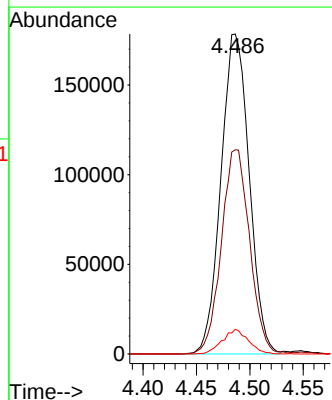
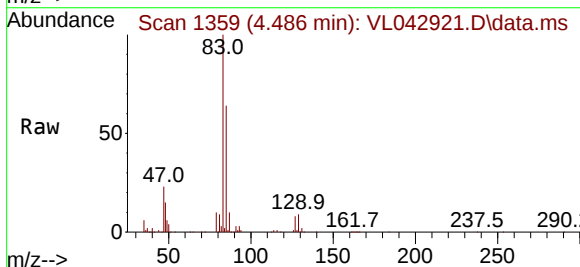
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

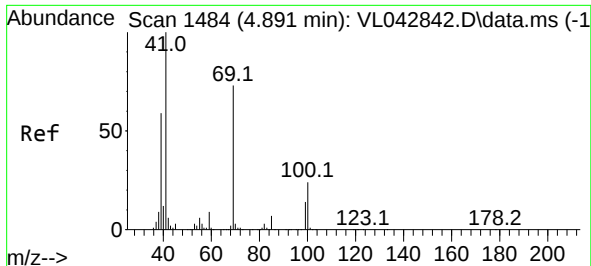
Tgt Ion: 42 Resp: 160811
Ion Ratio Lower Upper
42 100
72 37.5 32.6 48.8
71 36.6 30.0 45.0



#42
Bromodichloromethane
Concen: 11.915 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.013 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 83 Resp: 328462
Ion Ratio Lower Upper
83 100
85 63.8 49.8 74.8
127 7.7 5.8 8.6





#43

Methyl Methacrylate

Concen: 10.627 ppbv

RT: 4.875 min Scan# 1484

Delta R.T. 0.016 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

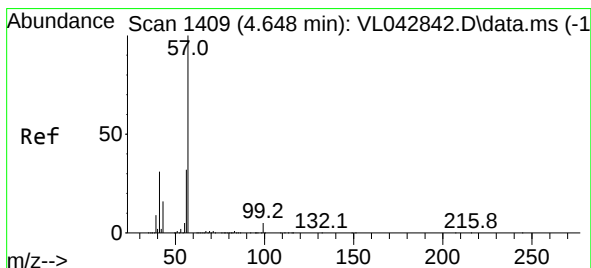
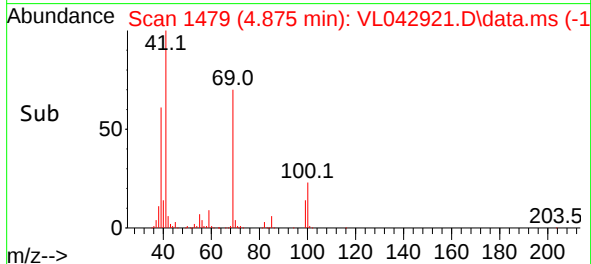
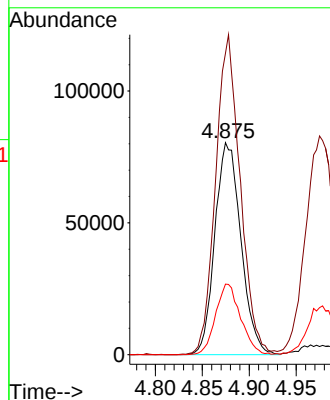
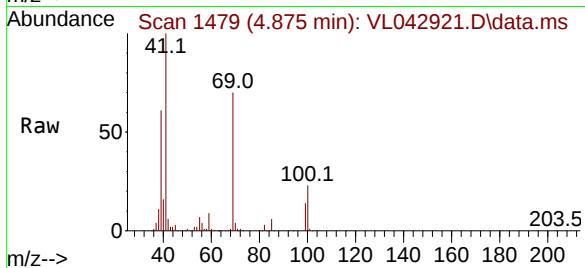
Tgt Ion: 69 Resp: 155022

Ion Ratio Lower Upper

69 100

41 142.8 114.6 172.0

100 32.0 30.2 45.4



#44

2,2,4-Trimethylpentane

Concen: 11.747 ppbv

RT: 4.635 min Scan# 1405

Delta R.T. 0.013 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

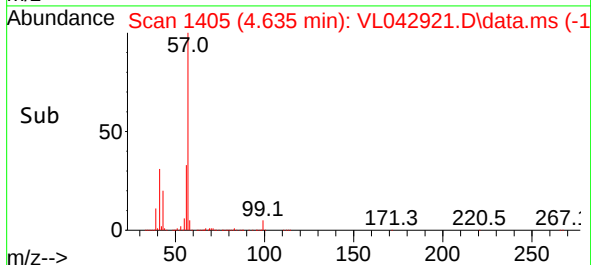
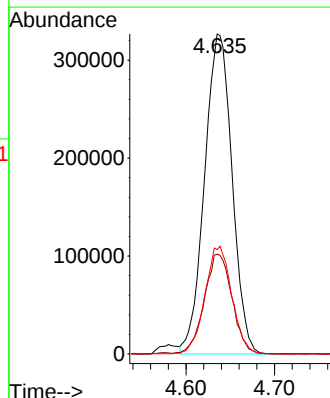
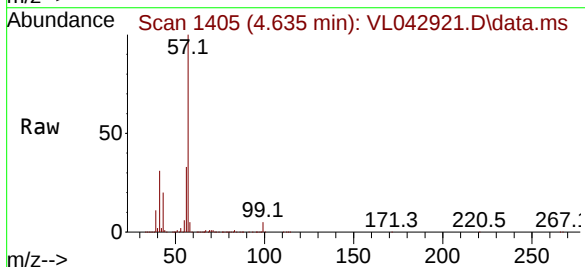
Tgt Ion: 57 Resp: 706023

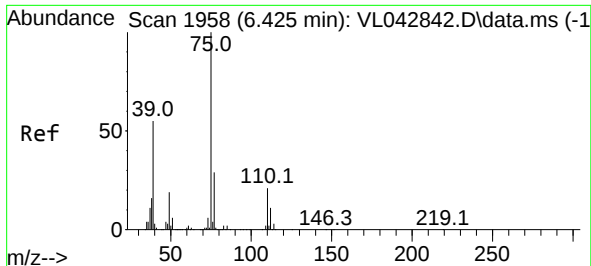
Ion Ratio Lower Upper

57 100

41 31.7 24.8 37.2

56 32.9 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 5.101 ppbv

RT: 6.415 min Scan# 1958

Delta R.T. 0.023 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

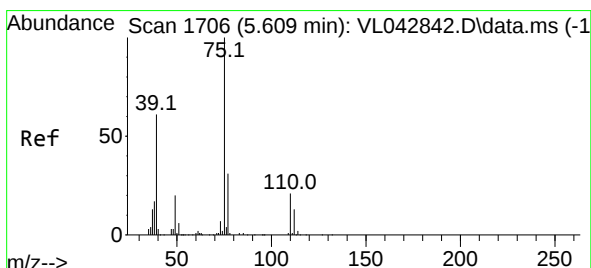
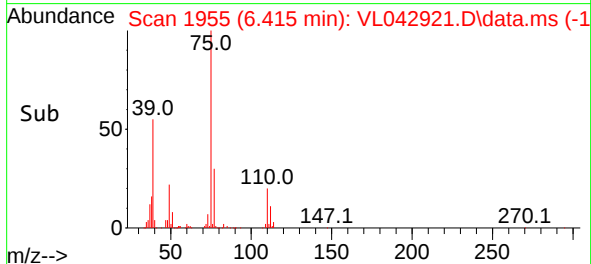
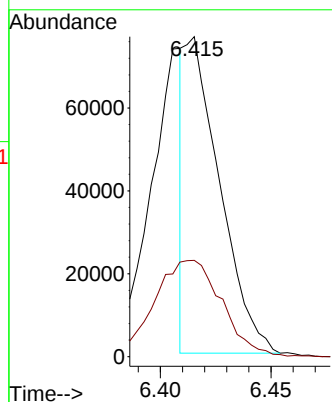
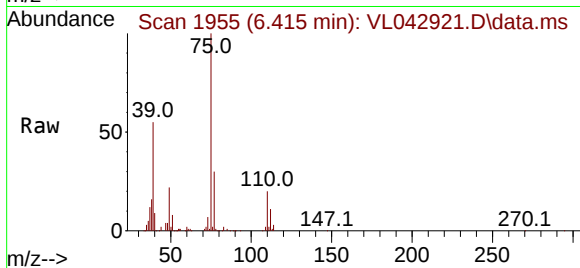
VSTDCCC010

Tgt Ion: 75 Resp: 83974

Ion Ratio Lower Upper

75 100

77 30.1 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 10.552 ppbv

RT: 5.596 min Scan# 1702

Delta R.T. 0.016 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

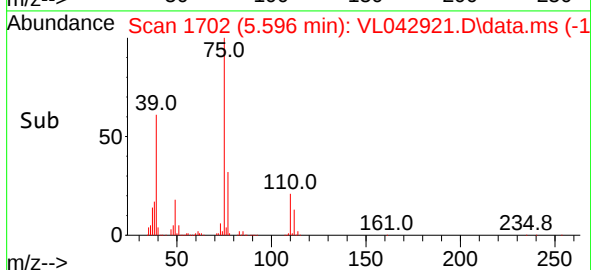
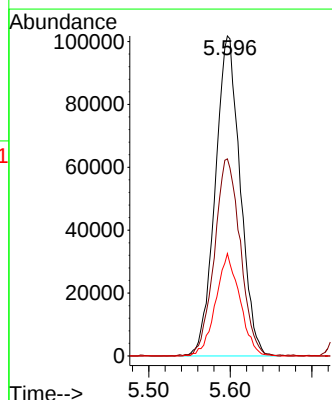
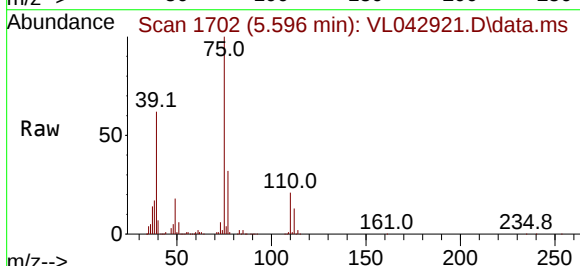
Tgt Ion: 75 Resp: 216444

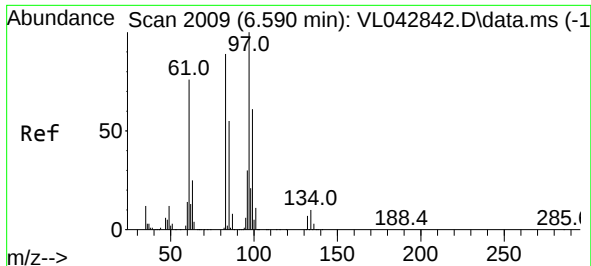
Ion Ratio Lower Upper

75 100

39 61.2 48.9 73.3

77 32.0 24.9 37.3



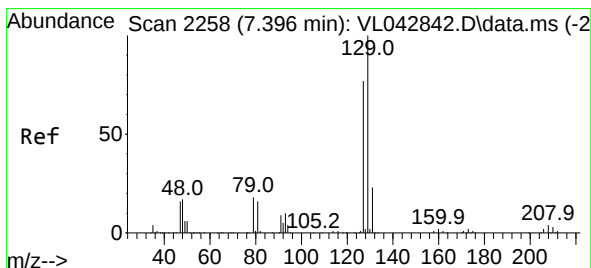
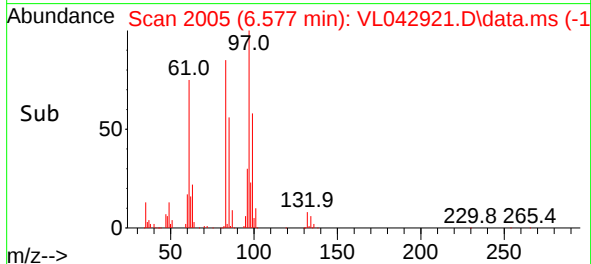
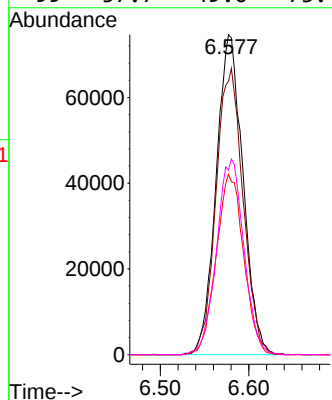
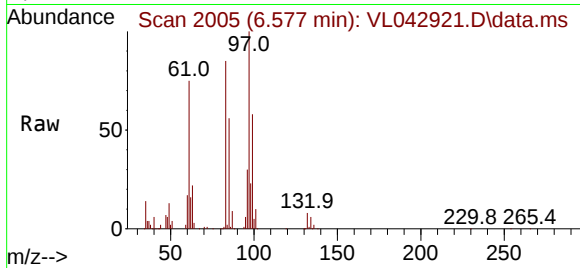


#47
 1,1,2-Trichloroethane
 Concen: 11.446 ppbv
 RT: 6.577 min Scan# 2005
 Delta R.T. 0.016 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 156830

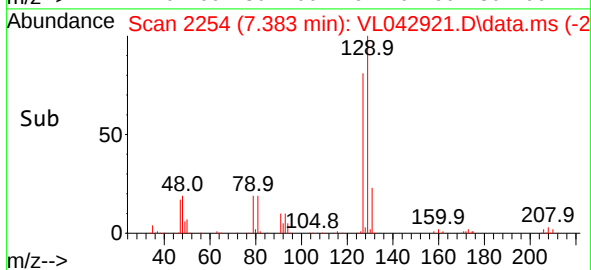
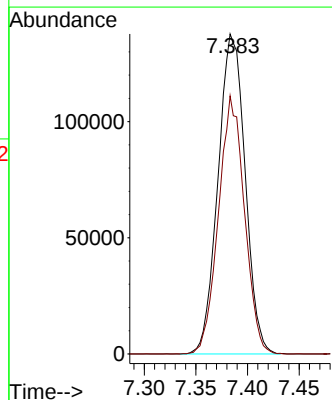
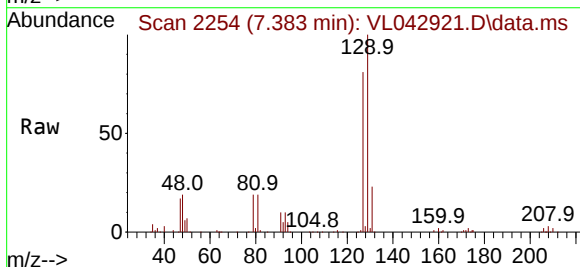
Ion	Ratio	Lower	Upper
97	100		
83	85.5	71.0	106.4
85	56.3	43.6	65.4
99	57.7	49.0	73.4

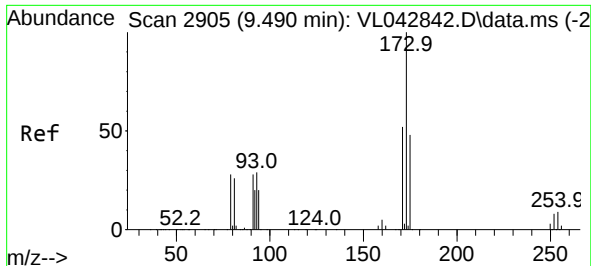


#48
 Dibromochloromethane
 Concen: 11.347 ppbv
 RT: 7.383 min Scan# 2254
 Delta R.T. 0.013 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Tgt Ion: 129 Resp: 251601

Ion	Ratio	Lower	Upper
129	100		
127	77.2	39.4	118.2

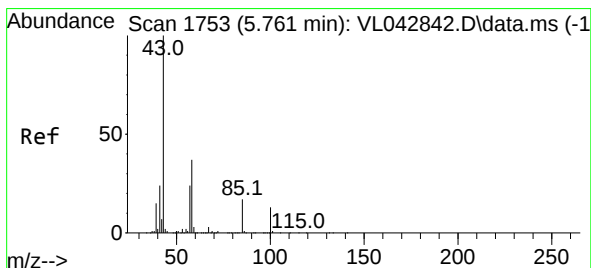
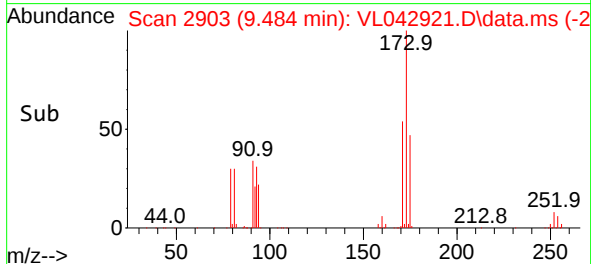
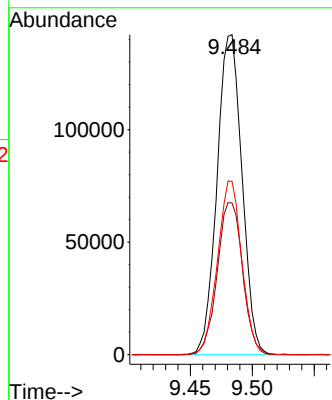
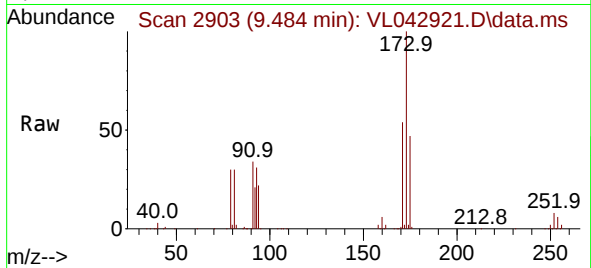




#49
Bromoform
Concen: 10.940 ppbv
RT: 9.484 min Scan# 2905
Delta R.T. 0.013 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

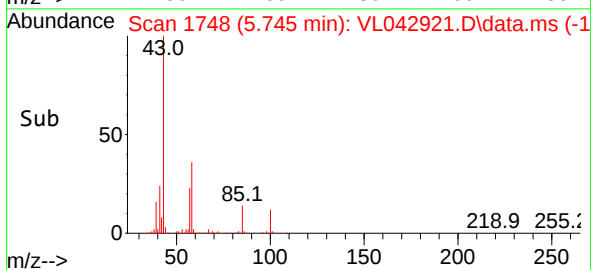
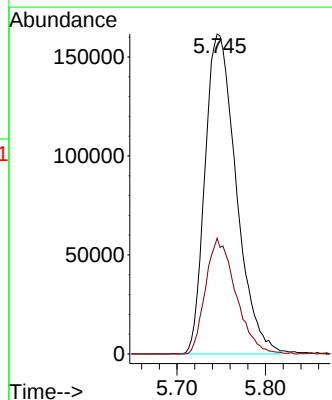
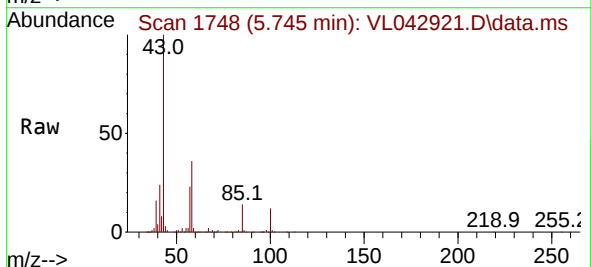
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

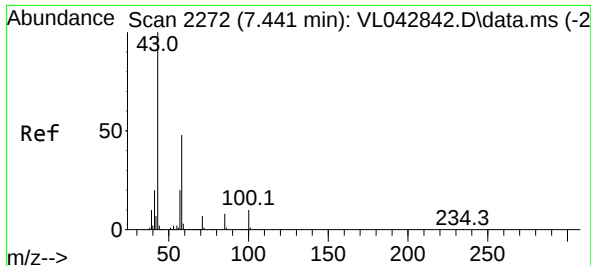
Tgt Ion:173 Resp: 200058
Ion Ratio Lower Upper
173 100
175 48.2 39.2 58.8
171 52.7 41.3 61.9



#50
4-Methyl-2-Pentanone
Concen: 11.721 ppbv
RT: 5.745 min Scan# 1748
Delta R.T. 0.016 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 43 Resp: 395608
Ion Ratio Lower Upper
43 100
58 35.1 29.8 44.8

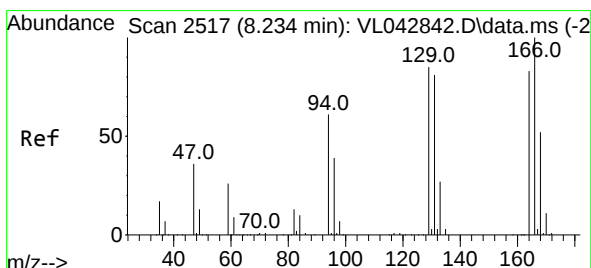
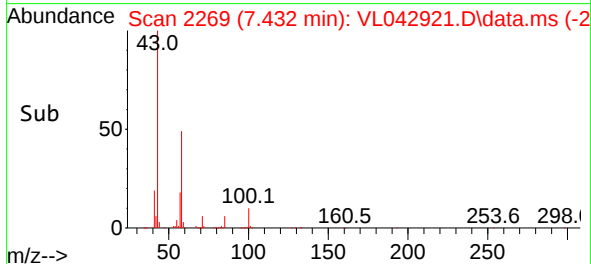
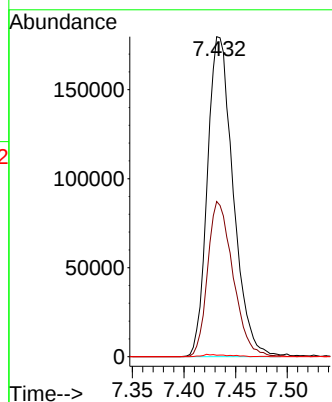
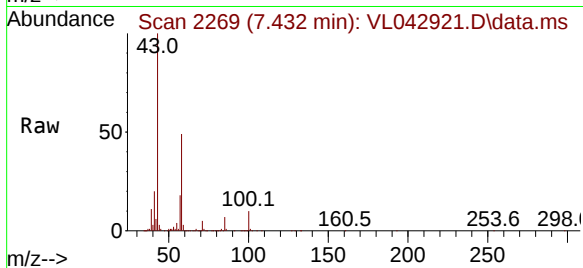




#51
2-Hexanone
Concen: 11.721 ppbv
RT: 7.432 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

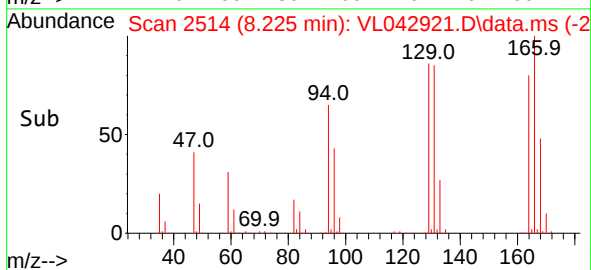
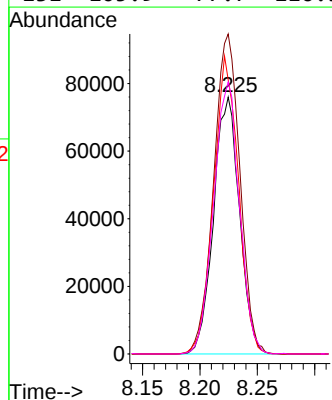
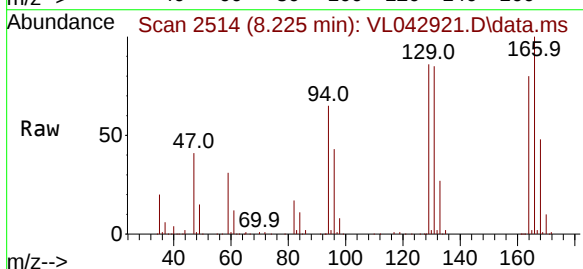
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

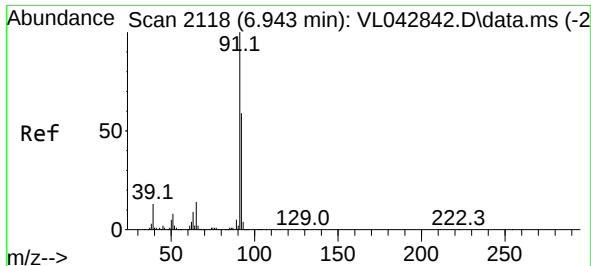
Tgt Ion: 43 Resp: 311297
Ion Ratio Lower Upper
43 100
58 48.0 41.0 61.6
98 0.7 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.302 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. 0.013 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 164 Resp: 119161
Ion Ratio Lower Upper
164 100
166 124.6 96.5 144.7
129 106.6 81.8 122.6
131 105.9 77.7 116.5

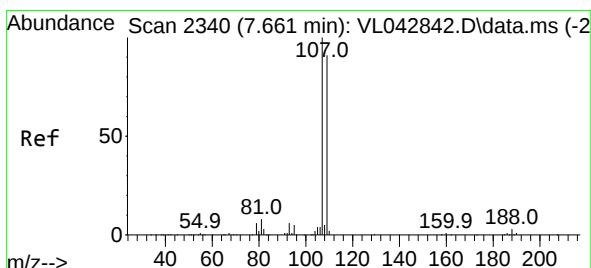
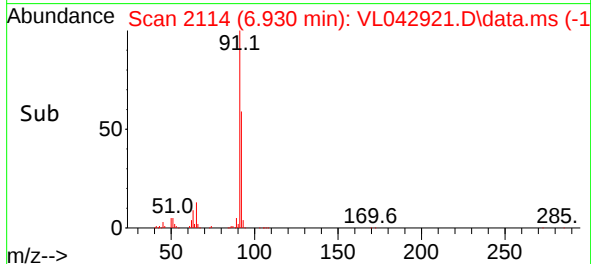
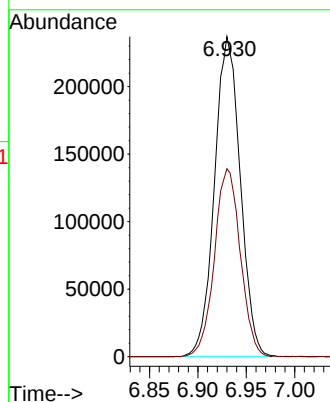
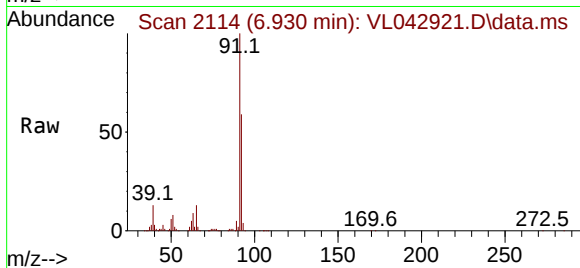




#53
Toluene
Concen: 10.435 ppbv
RT: 6.930 min Scan# 2118
Delta R.T. 0.016 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

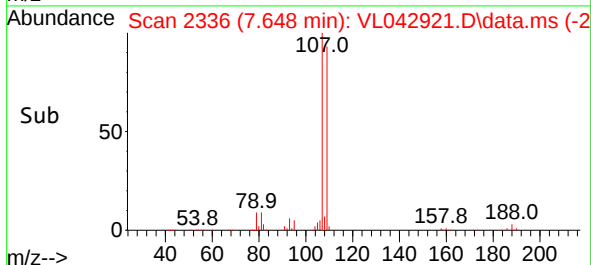
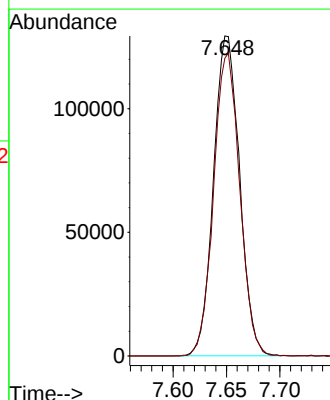
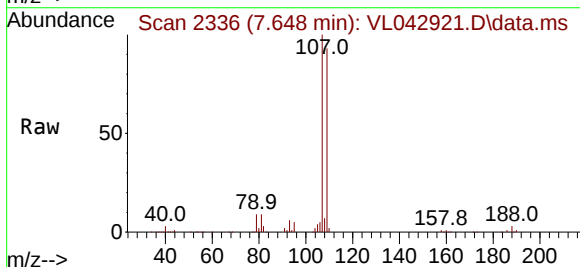
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

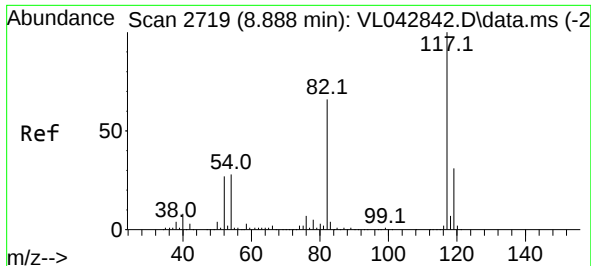
Tgt Ion: 91 Resp: 439287
Ion Ratio Lower Upper
91 100
92 59.0 47.8 71.6



#54
1,2-Dibromoethane
Concen: 10.955 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. 0.013 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 107 Resp: 219380
Ion Ratio Lower Upper
107 100
109 93.1 72.5 108.7

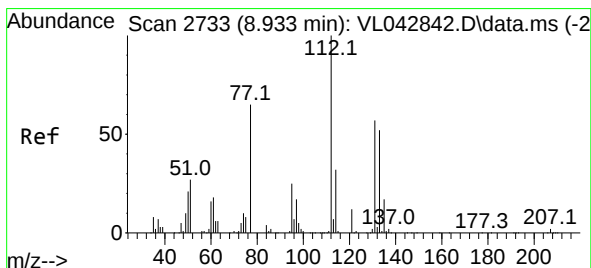
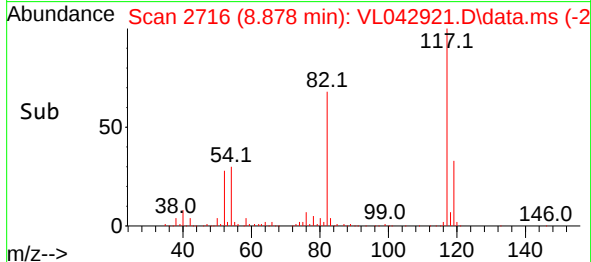
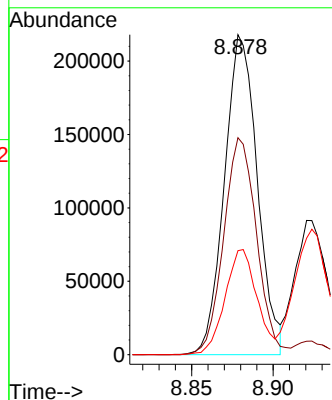
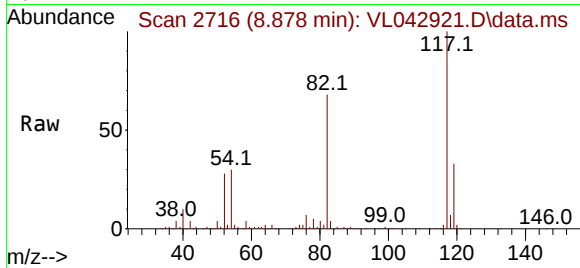




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

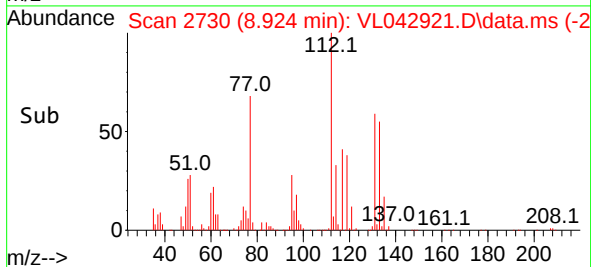
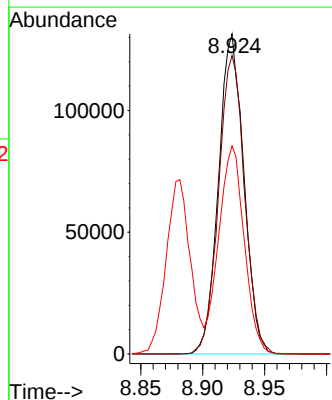
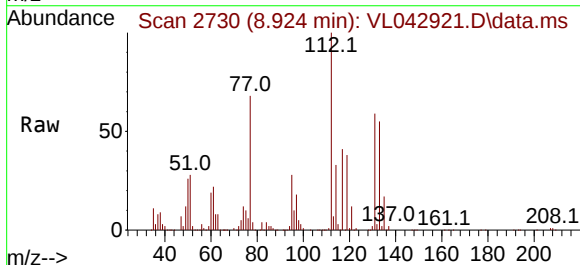
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

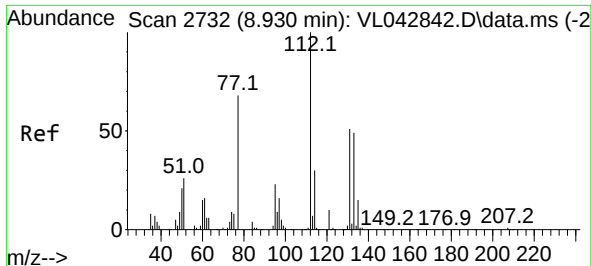
Tgt Ion:117 Resp: 305623
Ion Ratio Lower Upper
117 100
82 71.7 54.6 81.8
119 32.1 25.9 38.9



#56
1,1,1,2-Tetrachloroethane
Concen: 11.809 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion:131 Resp: 186640
Ion Ratio Lower Upper
131 100
133 95.8 77.4 116.0
119 66.7 51.2 76.8

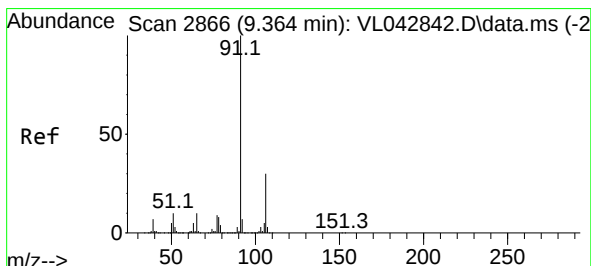
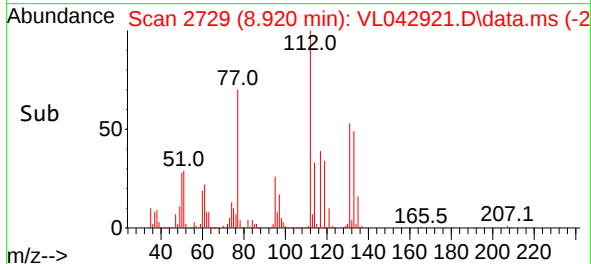
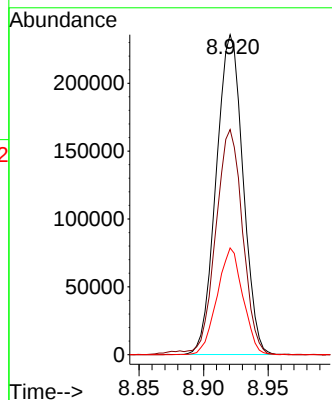
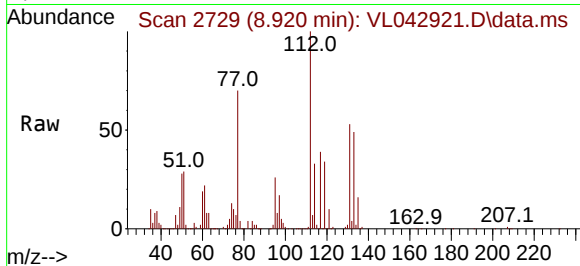




#57
Chlorobenzene
Concen: 11.713 ppbv
RT: 8.920 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

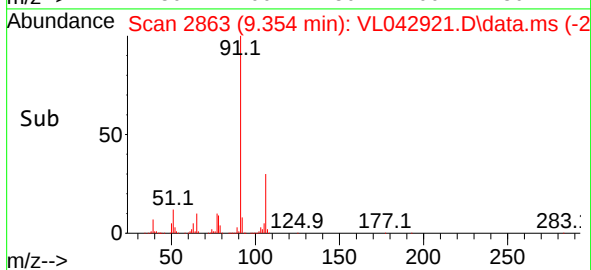
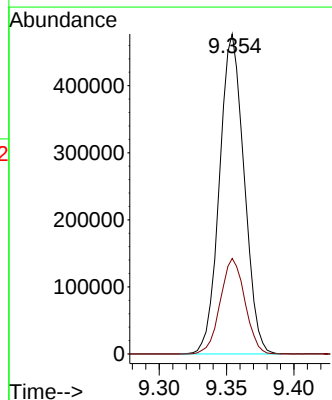
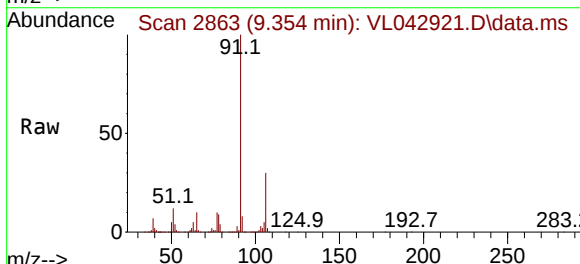
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

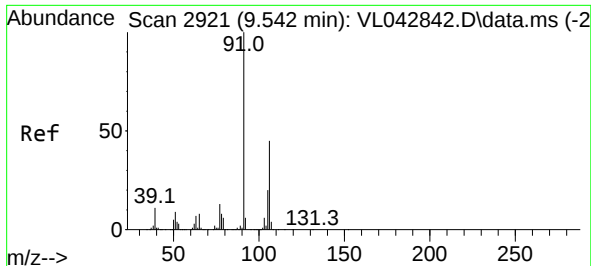
Tgt Ion:112 Resp: 340369
Ion Ratio Lower Upper
112 100
77 70.3 55.5 83.3
114 33.4 27.2 33.2#



#58
Ethyl Benzene
Concen: 11.241 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 91 Resp: 606281
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9





#59

m/p-Xylene

Concen: 10.646 ppbv

RT: 9.548 min Scan# 2921

Delta R.T. 0.010 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

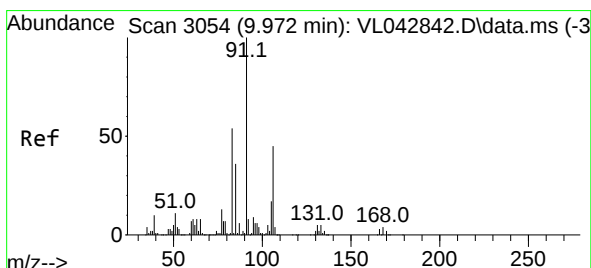
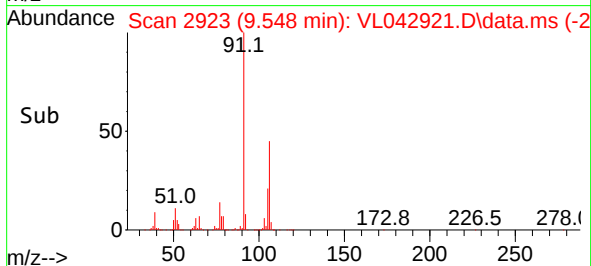
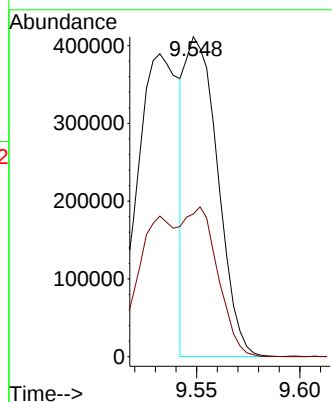
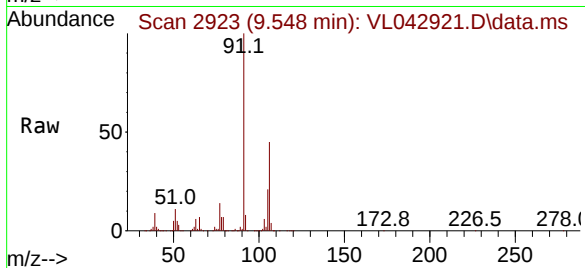
VSTDCCC010

Tgt Ion: 91 Resp: 450042

Ion Ratio Lower Upper

91 100

106 102.1 0.0 0.0#



#60

o-Xylene

Concen: 11.823 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VL042921.D

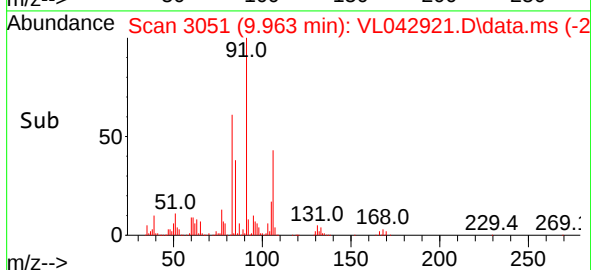
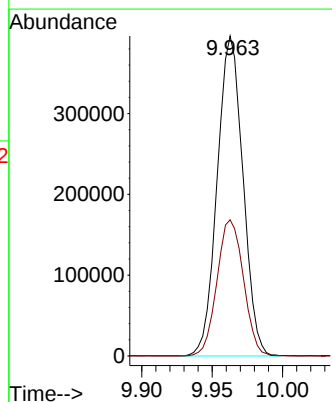
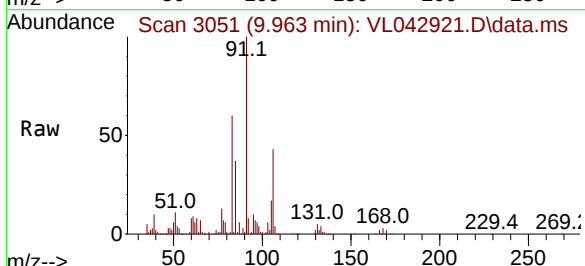
Acq: 10 Sep 2025 09:36

Tgt Ion: 91 Resp: 502791

Ion Ratio Lower Upper

91 100

106 43.8 21.8 65.4

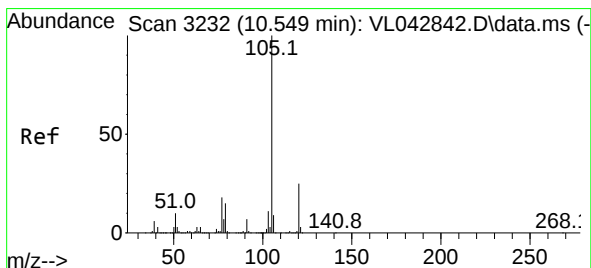
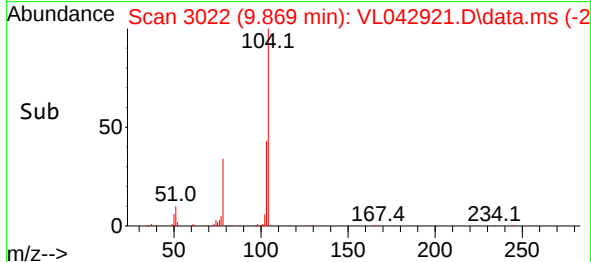
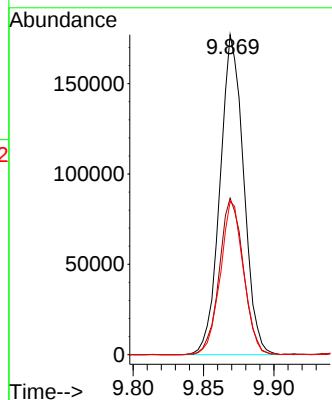
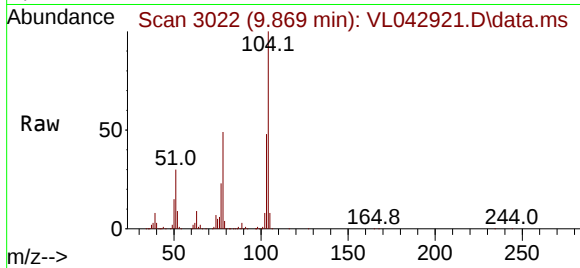




#61
Styrene
Concen: 10.386 ppbv
RT: 9.869 min Scan# 3025
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

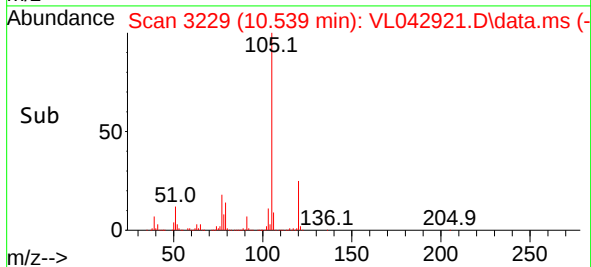
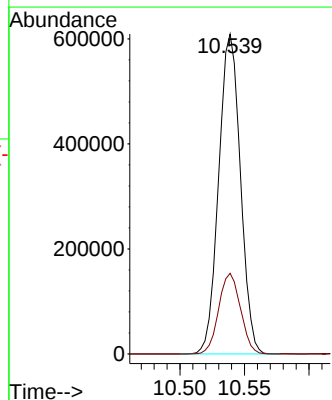
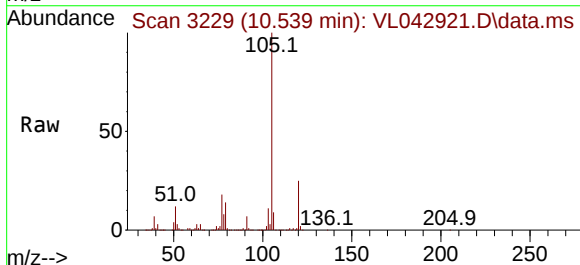
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

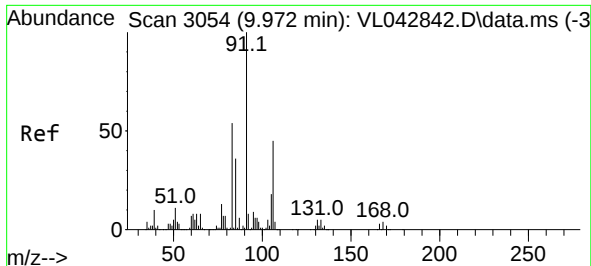
Tgt Ion:104 Resp: 206921
Ion Ratio Lower Upper
104 100
78 49.9 40.6 61.0
103 47.4 37.7 56.5



#62
Isopropylbenzene
Concen: 11.435 ppbv
RT: 10.539 min Scan# 3229
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion:105 Resp: 710629
Ion Ratio Lower Upper
105 100
120 25.3 20.6 30.8

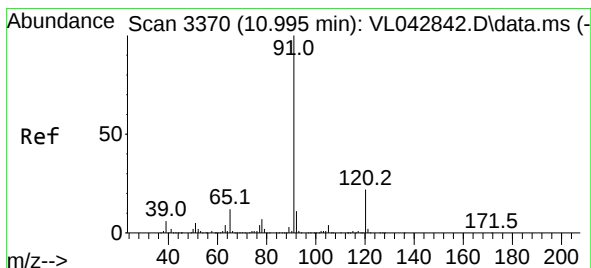
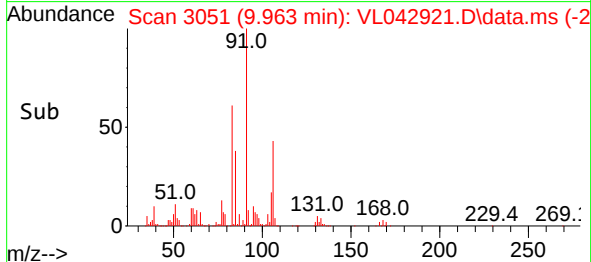
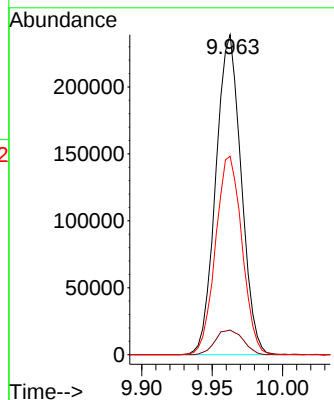
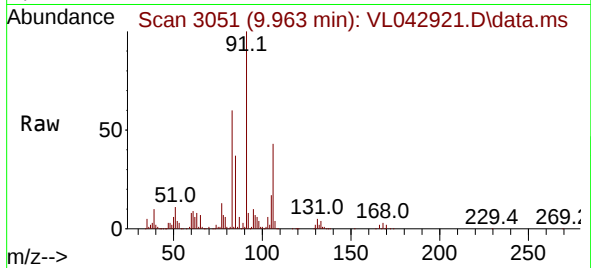




#63
1,1,2,2-Tetrachloroethane
Concen: 12.819 ppbv
RT: 9.963 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

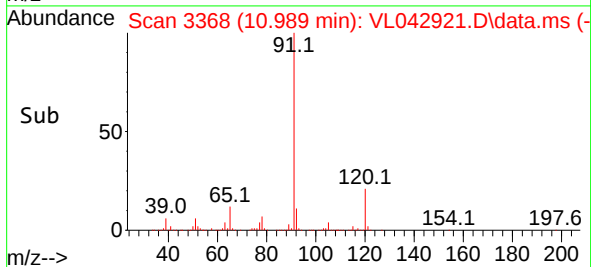
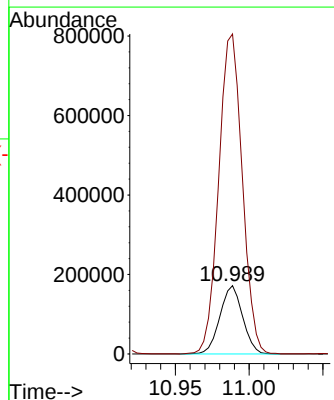
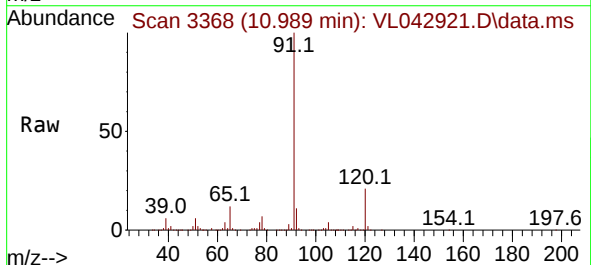
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

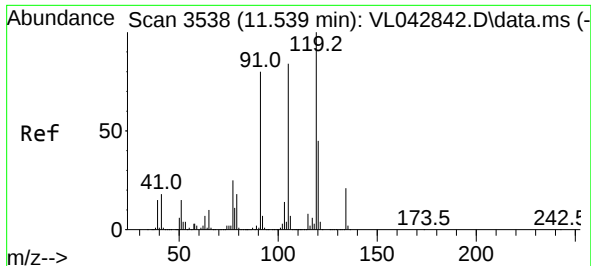
Tgt Ion: 83 Resp: 299792
Ion Ratio Lower Upper
83 100
131 8.5 4.8 14.3
85 64.6 32.3 96.8



#64
n-propylbenzene
Concen: 11.569 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion: 120 Resp: 183438
Ion Ratio Lower Upper
120 100
91 488.3 375.8 563.6

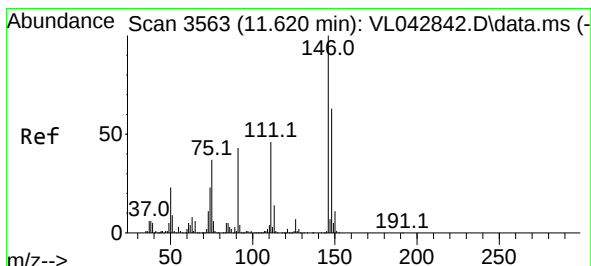
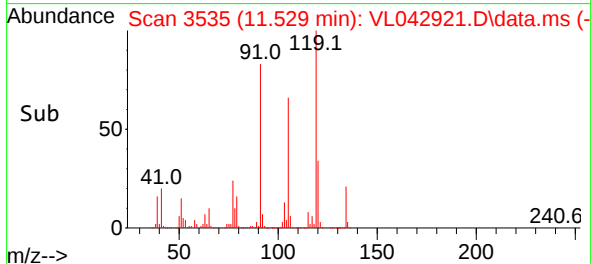
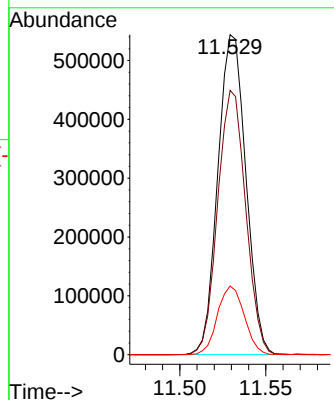
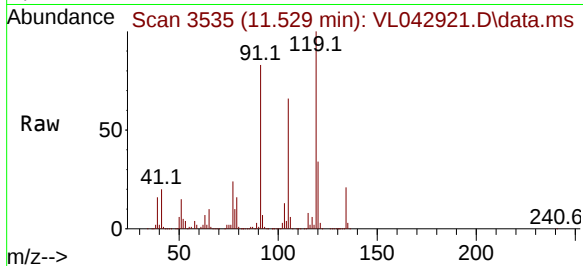




#65
 tert-Butylbenzene
 Concen: 11.256 ppbv
 RT: 11.529 min Scan# 3535
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

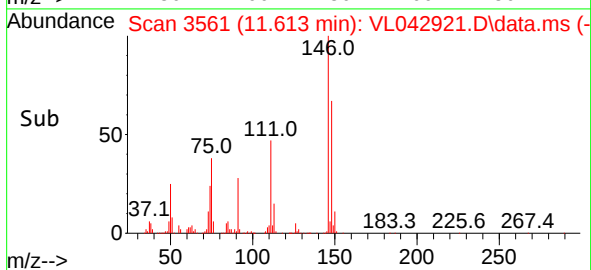
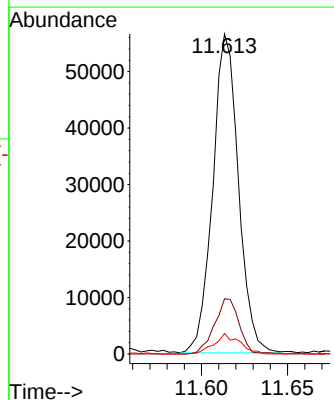
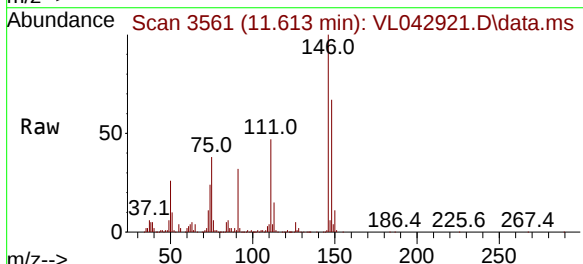
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

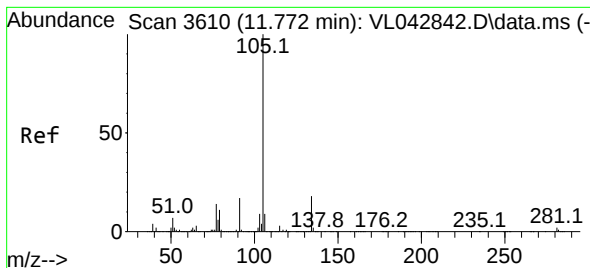
Tgt Ion:119 Resp: 616689
 Ion Ratio Lower Upper
 119 100
 91 82.4 63.9 95.9
 134 20.5 17.0 25.4



#66
 Benzyl Chloride
 Concen: 8.432 ppbv
 RT: 11.613 min Scan# 3561
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Tgt Ion: 91 Resp: 58646
 Ion Ratio Lower Upper
 91 100
 126 16.6 14.2 21.4
 128 6.3 5.0 7.6





#67

sec-Butylbenzene

Concen: 11.660 ppbv

RT: 11.765 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_1

ClientSampleId :

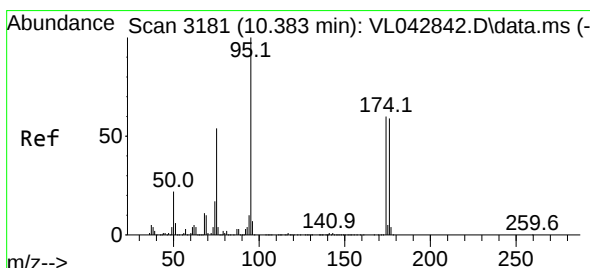
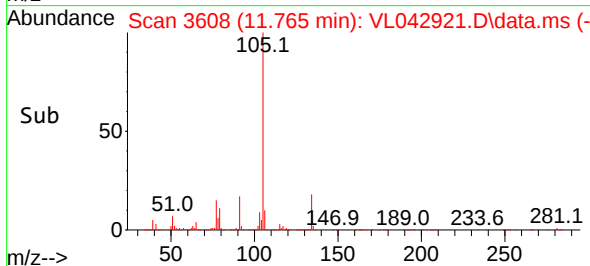
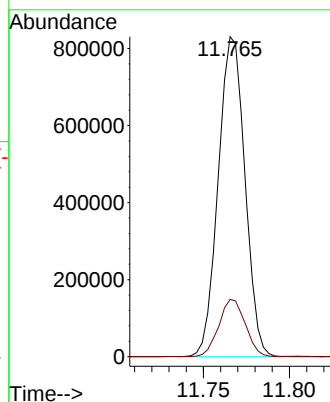
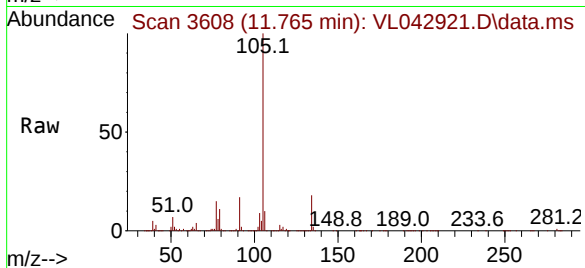
VSTDCCC010

Tgt Ion:105 Resp: 896657

Ion Ratio Lower Upper

105 100

134 17.8 14.9 22.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.491 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.013 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

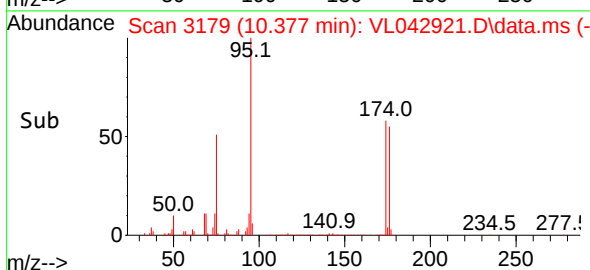
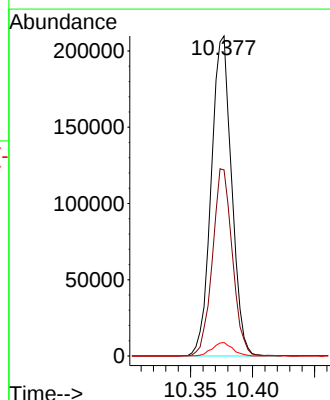
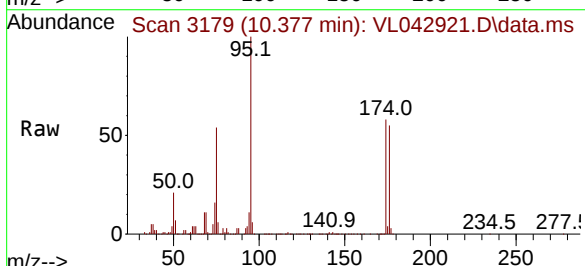
Tgt Ion: 95 Resp: 240462

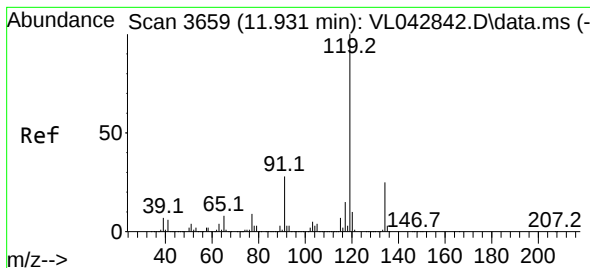
Ion Ratio Lower Upper

95 100

174 57.2 48.4 72.6

175 4.2 3.8 5.8

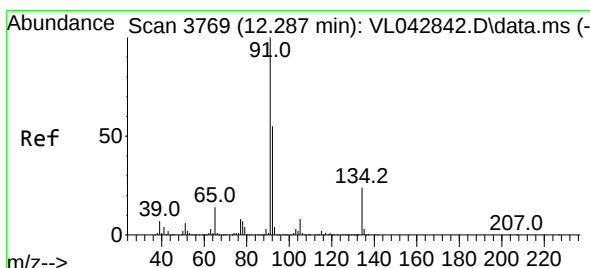
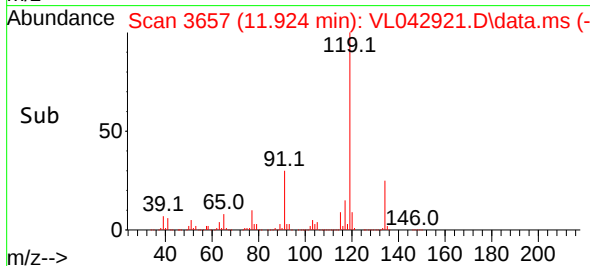
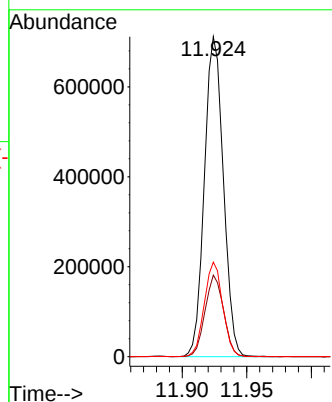
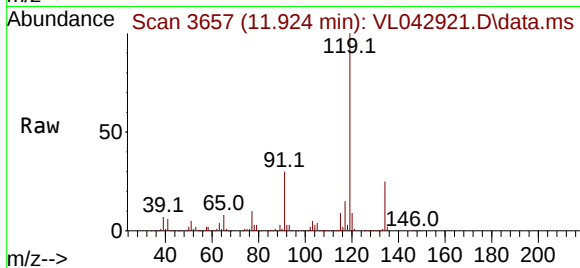




#69
 p-Isopropyltoluene
 Concen: 11.018 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

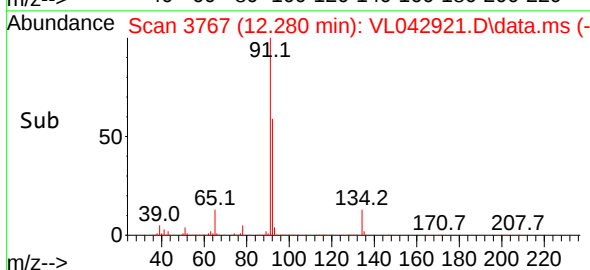
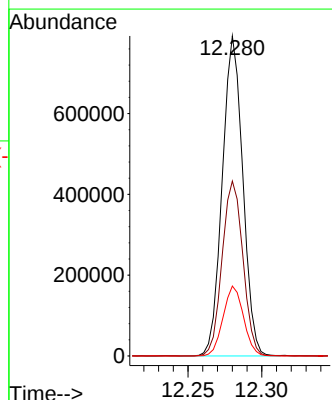
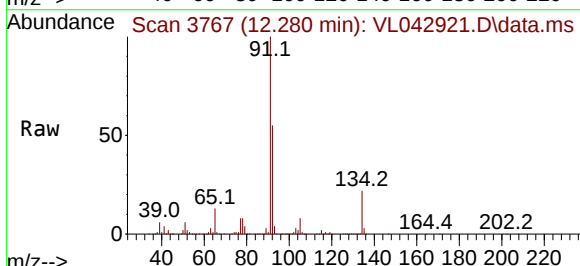
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

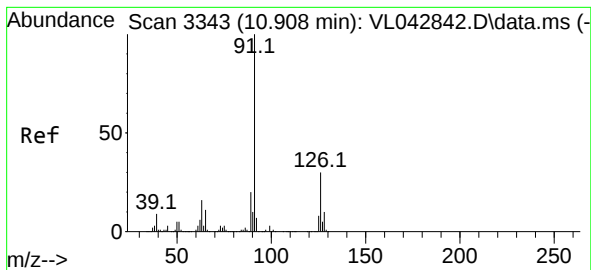
Tgt Ion:119 Resp: 727408
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.6 30.8
 91 28.9 22.6 34.0



#70
 n-Butylbenzene
 Concen: 11.706 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.006 min
 Lab File: VL042921.D
 Acq: 10 Sep 2025 09:36

Tgt Ion: 91 Resp: 766483
 Ion Ratio Lower Upper
 91 100
 92 55.5 44.6 66.8
 134 21.8 19.0 28.4

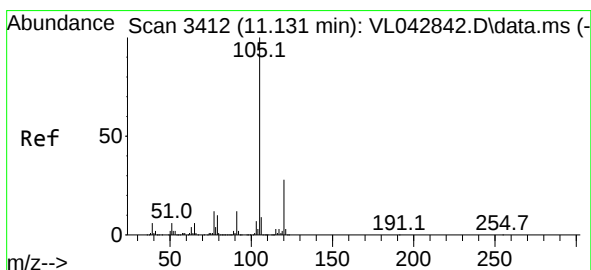
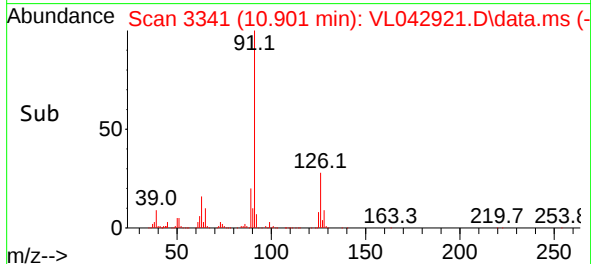
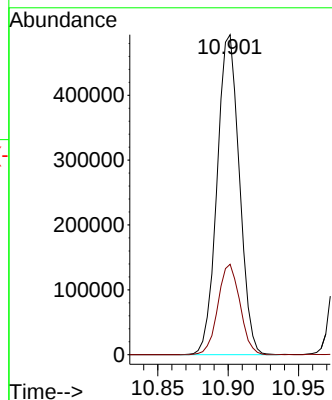
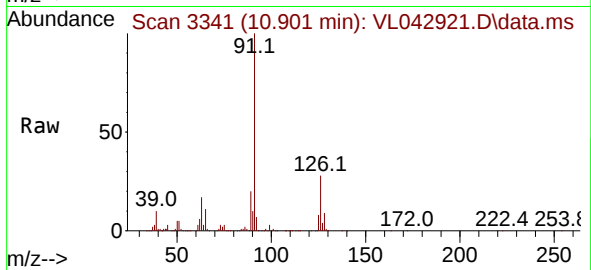




#71
2-Chlorotoluene
Concen: 11.248 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

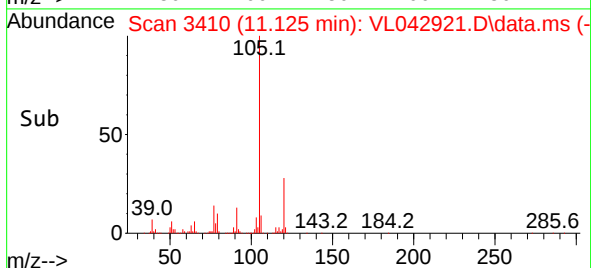
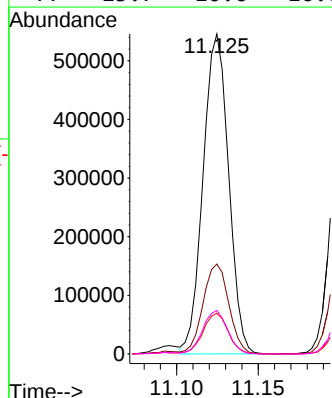
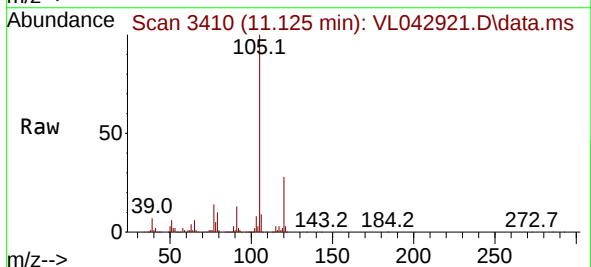
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

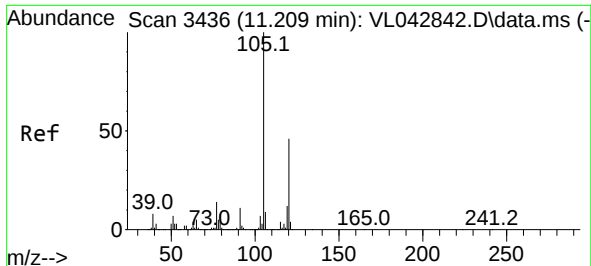
Tgt Ion: 91 Resp: 542770
Ion Ratio Lower Upper
91 100
126 28.0 12.0 47.8



#72
4-Ethyltoluene
Concen: 11.513 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion:105 Resp: 593493
Ion Ratio Lower Upper
105 100
120 29.2 23.4 35.2
91 13.0 9.8 14.6
77 13.7 10.6 16.0

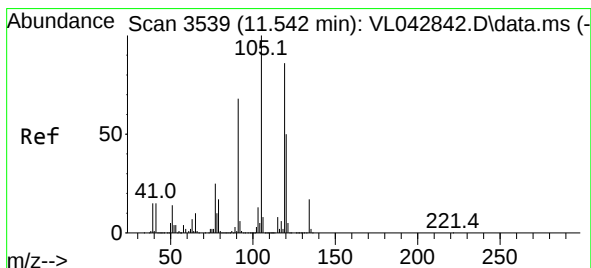
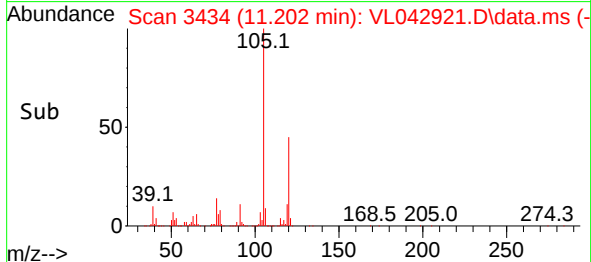
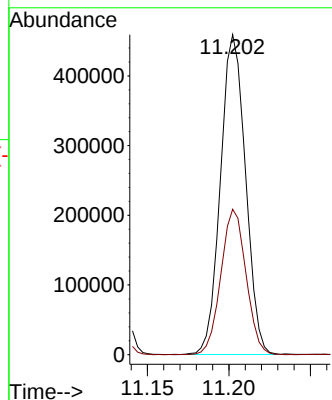
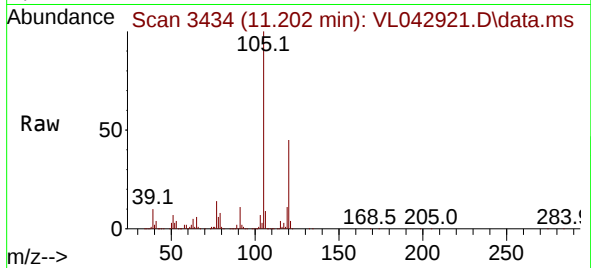




#73
1,3,5-Trimethylbenzene
Concen: 11.164 ppbv
RT: 11.202 min Scan# 34
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

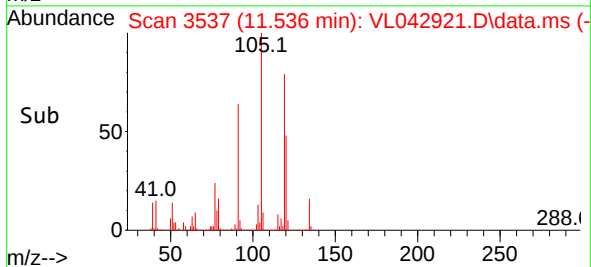
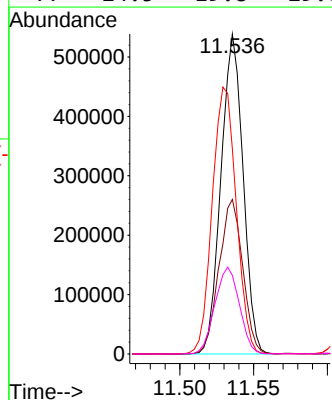
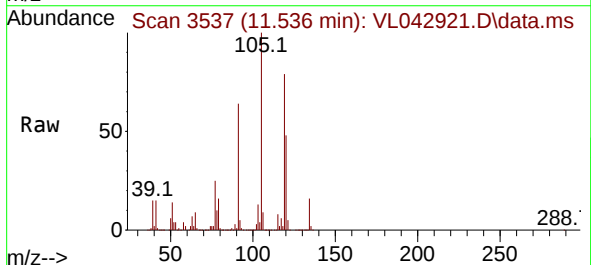
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

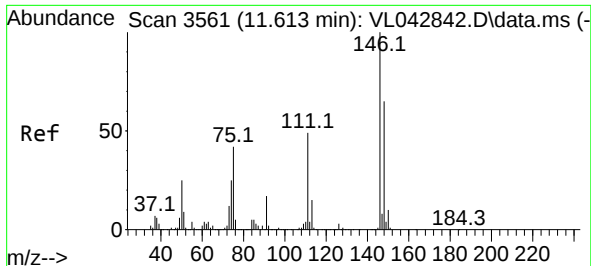
Tgt Ion:105 Resp: 489404
Ion Ratio Lower Upper
105 100
120 45.4 36.6 54.8



#74
1,2,4-Trimethylbenzene
Concen: 11.659 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion:105 Resp: 561027
Ion Ratio Lower Upper
105 100
120 48.3 39.8 59.6
91 64.1 54.2 81.4
77 24.5 19.8 29.6

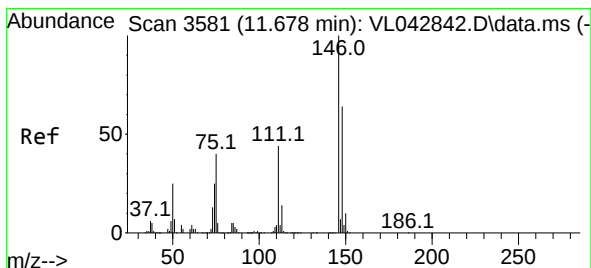
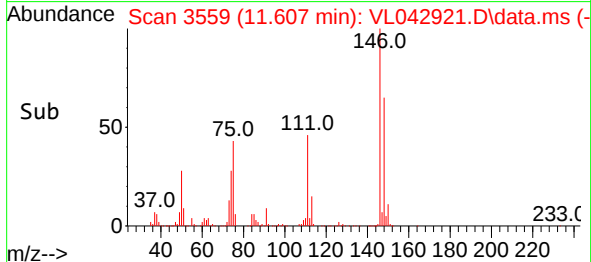
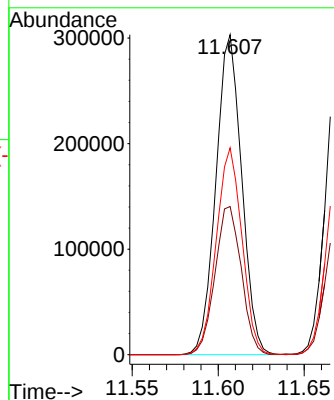
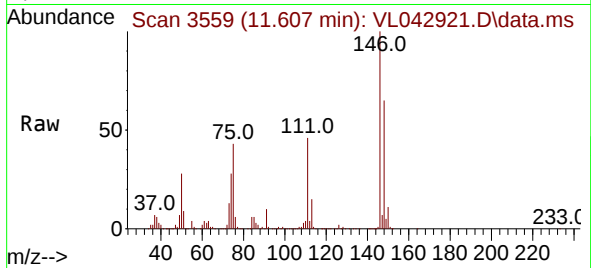




#75
1,3-Dichlorobenzene
Concen: 11.566 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

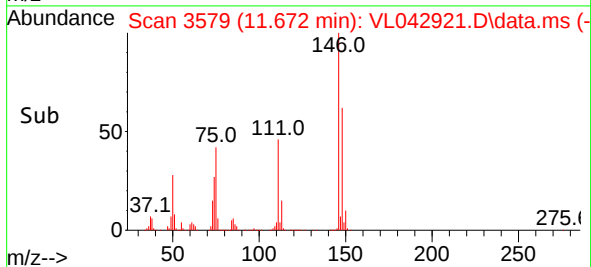
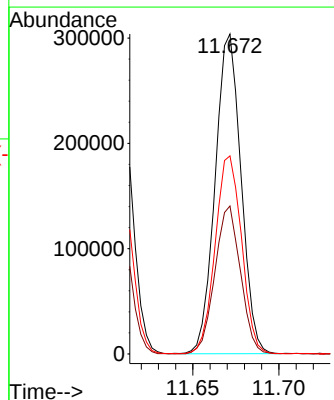
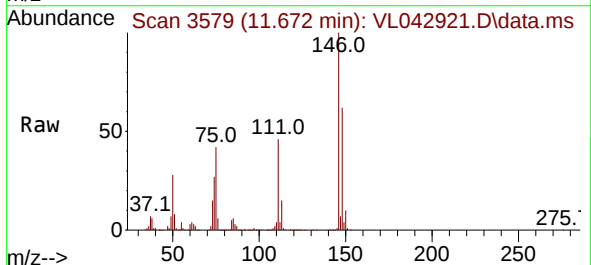
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

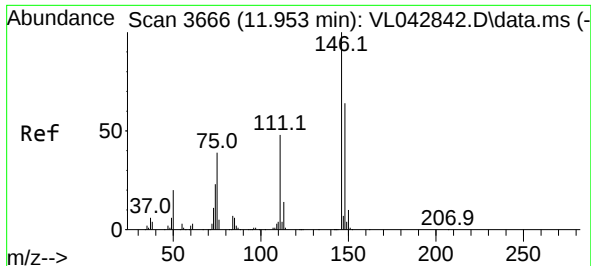
Tgt Ion:146 Resp: 316381
Ion Ratio Lower Upper
146 100
111 47.3 23.9 71.7
148 64.4 31.4 94.0



#76
1,4-Dichlorobenzene
Concen: 11.471 ppbv
RT: 11.672 min Scan# 3579
Delta R.T. 0.010 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion:146 Resp: 317342
Ion Ratio Lower Upper
146 100
111 46.1 22.7 68.1
148 63.5 31.8 95.3

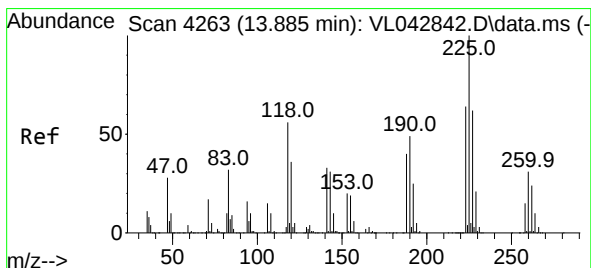
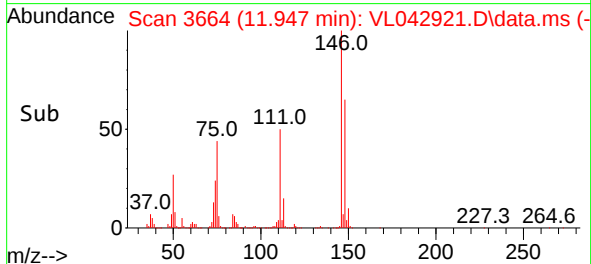
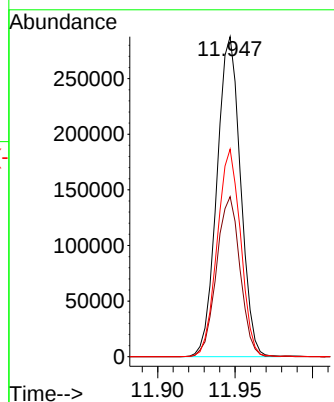
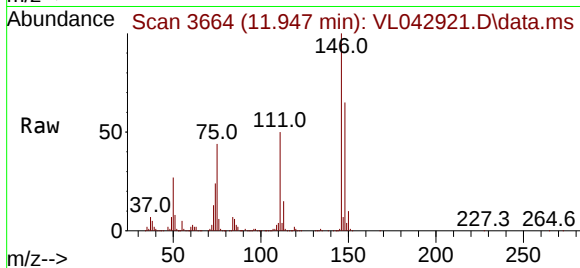




#77
1,2-Dichlorobenzene
Concen: 11.395 ppbv
RT: 11.947 min Scan# 30
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

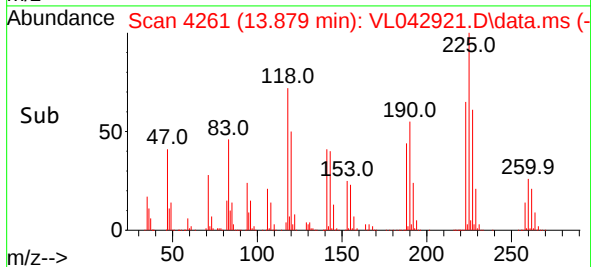
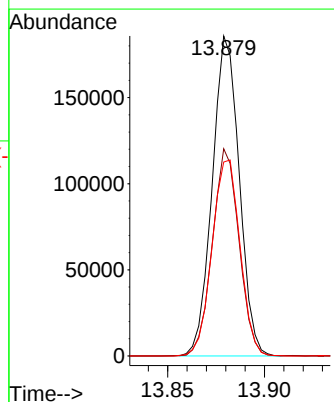
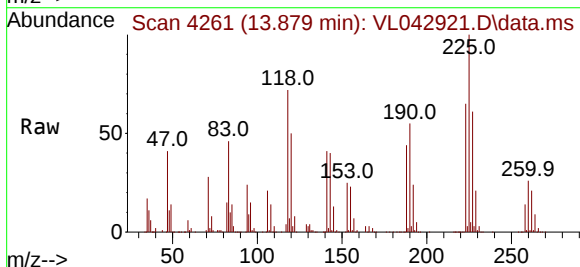
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

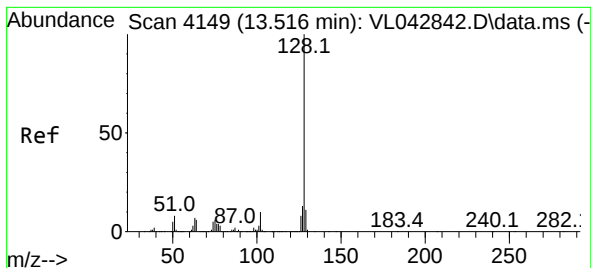
Tgt Ion:146 Resp: 305223
Ion Ratio Lower Upper
146 100
111 49.9 24.6 74.0
148 64.2 32.0 96.0



#78
Hexachloro-1,3-Butadiene
Concen: 8.200 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. 0.006 min
Lab File: VL042921.D
Acq: 10 Sep 2025 09:36

Tgt Ion:225 Resp: 180011
Ion Ratio Lower Upper
225 100
223 63.7 51.4 77.2
227 63.7 51.9 77.9





#79

Naphthalene

Concen: 10.565 ppbv

RT: 13.513 min Scan# 4149

Delta R.T. 0.010 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

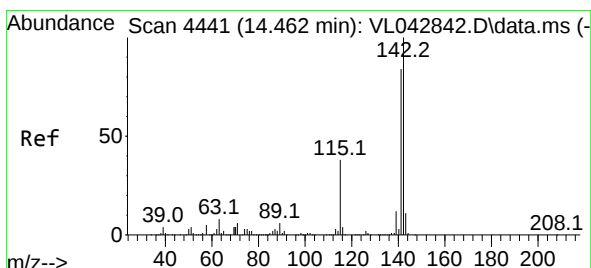
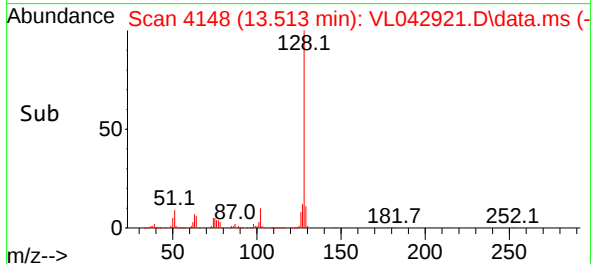
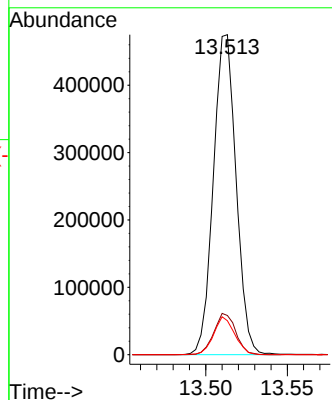
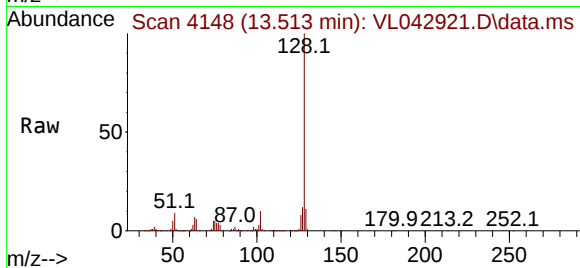
Tgt Ion:128 Resp: 460877

Ion Ratio Lower Upper

128 100

127 12.2 10.6 16.0

129 10.6 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 7.821 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.006 min

Lab File: VL042921.D

Acq: 10 Sep 2025 09:36

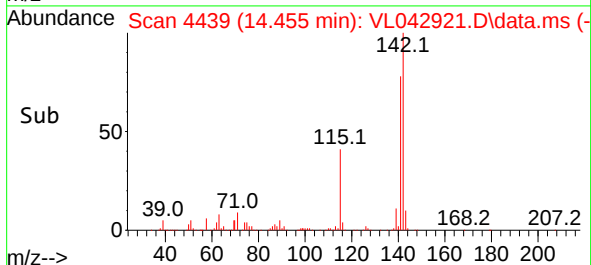
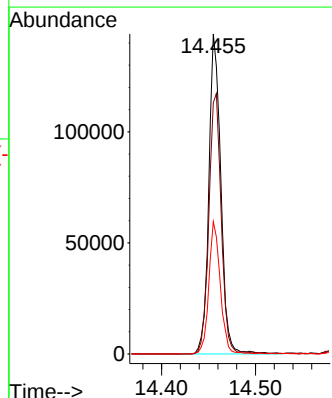
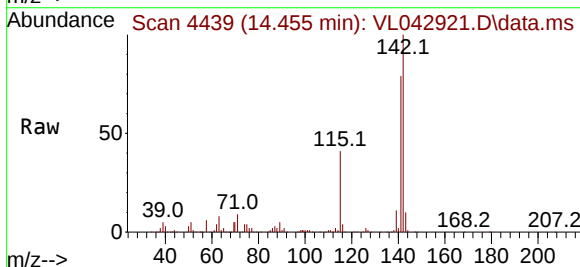
Tgt Ion:142 Resp: 127495

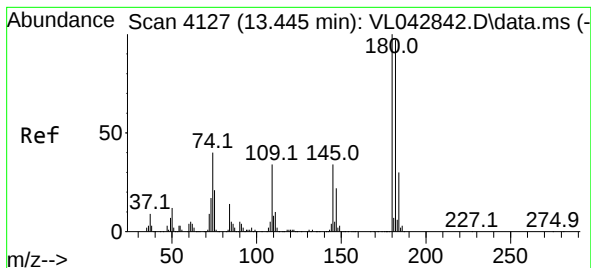
Ion Ratio Lower Upper

142 100

141 84.6 67.0 100.6

115 39.8 30.9 46.3





#81

1,2,4-Trichlorobenzene

Concen: 10.102 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042921.D

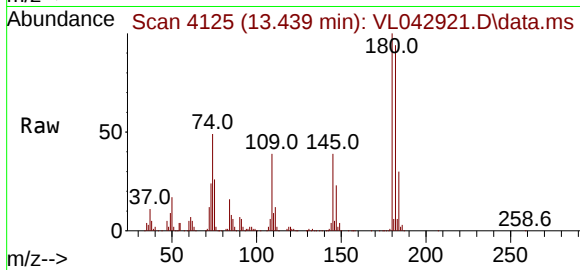
Acq: 10 Sep 2025 09:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 221503

Ion Ratio Lower Upper

180 100

182 94.6 76.9 115.3

184 30.2 24.5 36.7

