

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL093025\
 Data File : VL043024.D
 Acq On : 30 Sep 2025 12:27
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 30 23:58:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 30 23:54:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	139317	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	427921	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	384278	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	303909	10.440	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	352501	14.621	ppbv	99
3) Chlorodifluoromethane	1.477	51	373452	14.548	ppbv	100
4) Chloromethane	1.535	50	133695	14.609	ppbv	99
5) Vinyl Chloride	1.580	62	120858	13.615	ppbv	99
6) Bromomethane	1.668	94	47629	14.848	ppbv	93
7) Chloroethane	1.706	64	50615	14.284	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	289959	14.753	ppbv	99
9) Propene	1.483	41	144689	14.490	ppbv	100
10) Heptane	4.979	43	405660	15.751	ppbv	100
11) Trichlorofluoromethane	1.878	101	362223	14.908	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	284614	14.781	ppbv	99
13) Ethanol	1.723	45	11760	15.133	ppbv	97
14) Bromoethene	1.781	108	106398	14.826	ppbv	98
15) Acetone	1.836	43	250074	12.589	ppbv	99
16) 1,3-Butadiene	1.609	39	118543	14.096	ppbv	97
17) tert-Butyl alcohol	2.040	59	301080	13.564	ppbv	100
18) 1,1-Dichloroethene	2.033	96	126213	14.574	ppbv	98
19) Isopropyl Alcohol	1.884	45	158717	13.586	ppbv	98
20) Methylene Chloride	2.062	84	118891	15.506	ppbv	98
21) Allyl Chloride	2.095	41	199141	14.817	ppbv	98
22) trans-1,2-Dichloroethene	2.341	96	145595	14.851	ppbv	99
23) Vinyl Acetate	2.461	43	417914	15.228	ppbv	99
24) 1,1-Dichloroethane	2.409	63	271460	14.712	ppbv	99
25) Ethyl Acetate	2.833	43	710402	14.019	ppbv	100
26) Hexane	2.826	57	330936	12.557	ppbv	99
27) Carbon Disulfide	2.150	76	341474	14.732	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	172162	13.345	ppbv	99
29) Chloroform	2.849	83	492553	15.019	ppbv	100
30) Cyclohexane	3.856	84	280306	15.442	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	328232	15.339	ppbv	99
32) 1,1,1-Trichloroethane	3.367	97	499172	15.026	ppbv	99
34) 2-Butanone	2.554	43	458457	15.216	ppbv	99
35) Carbon Tetrachloride	3.762	117	523083	15.063	ppbv	96
36) Benzene	3.655	78	659167	15.369	ppbv	98
37) 1,2-Dichloroethane	3.218	62	379202	15.474	ppbv	99
38) Trichloroethene	4.548	130	325016	14.788	ppbv	96
39) 1,2-Dichloropropane	4.312	63	240881	15.296	ppbv	95
40) 1,4-Dioxane	4.574	88	105958	15.863	ppbv #	96
41) Tetrahydrofuran	3.050	42	256866	16.008	ppbv	100
42) Bromodichloromethane	4.490	83	539023	15.833	ppbv	96
43) Methyl Methacrylate	4.875	69	254204	16.869	ppbv	99
44) 2,2,4-Trimethylpentane	4.639	57	1093087	15.492	ppbv	100
45) t-1,3-Dichloropropene	6.412	75	287581	16.784	ppbv	97

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

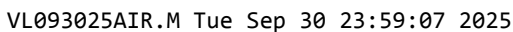
Instrument :
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 ClientSampleId :

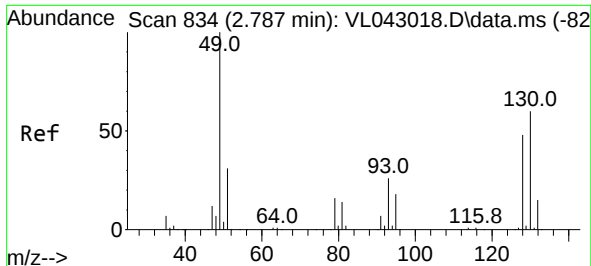
Quant Time: Sep 30 23:58:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 30 23:54:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.597	75	366508	16.398	ppbv	99
47) 1,1,2-Trichloroethane	6.581	97	262422	15.709	ppbv	99
48) Dibromochloromethane	7.387	129	458578	15.925	ppbv	99
49) Bromoform	9.484	173	403628	16.518	ppbv	100
50) 4-Methyl-2-Pentanone	5.746	43	628731	16.352	ppbv	99
51) 2-Hexanone	7.432	43	499672	17.635	ppbv #	100
52) Tetrachloroethene	8.225	164	247490	14.476	ppbv	98
53) Toluene	6.934	91	773647	16.175	ppbv	100
54) 1,2-Dibromoethane	7.652	107	376048	16.131	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	338108	15.527	ppbv	99
57) Chlorobenzene	8.924	112	601765	15.191	ppbv	99
58) Ethyl Benzene	9.355	91	1061987	16.304	ppbv	98
59) m/p-Xylene	9.552	91	824012	15.723	ppbv #	24
60) o-Xylene	9.966	91	847939	16.279	ppbv	99
61) Styrene	9.872	104	386259	17.520	ppbv	99
62) Isopropylbenzene	10.539	105	1250709	16.126	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	430060	15.383	ppbv	100
64) n-propylbenzene	10.989	120	332196	16.435	ppbv	96
65) tert-Butylbenzene	11.533	119	1111713	15.830	ppbv	99
66) Benzyl Chloride	11.617	91	99365	17.735	ppbv	99
67) sec-Butylbenzene	11.769	105	1532293	15.646	ppbv	99
69) p-Isopropyltoluene	11.924	119	1320006	16.184	ppbv	99
70) n-Butylbenzene	12.281	91	1307688	16.594	ppbv	99
71) 2-Chlorotoluene	10.902	91	941774	16.281	ppbv	99
72) 4-Ethyltoluene	11.125	105	1059857	16.540	ppbv	99
73) 1,3,5-Trimethylbenzene	11.203	105	883857	16.359	ppbv	100
74) 1,2,4-Trimethylbenzene	11.539	105	964228	15.810	ppbv	96
75) 1,3-Dichlorobenzene	11.607	146	609147	15.636	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	609332	16.004	ppbv	100
77) 1,2-Dichlorobenzene	11.947	146	582329	15.307	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	430692	14.155	ppbv	99
79) Naphthalene	13.514	128	931872	19.367	ppbv	99
80) Naphthalene,2-methyl-	14.456	142	256778	20.627	ppbv	99
81) 1,2,4-Trichlorobenzene	13.439	180	506037	17.343	ppbv	100

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

Quant Time: Sep 30 23:58:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL093025AIR.M
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QLast Update : Tue Sep 30 23:54:02 2025
Response via : Initial Calibration

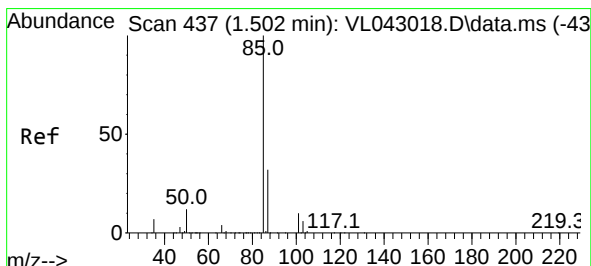
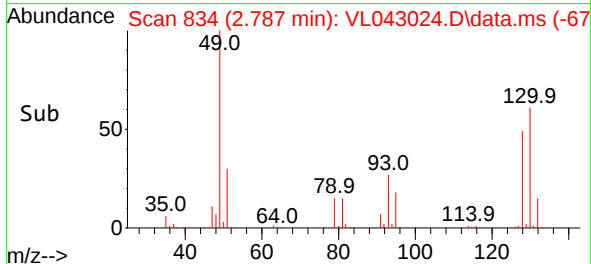
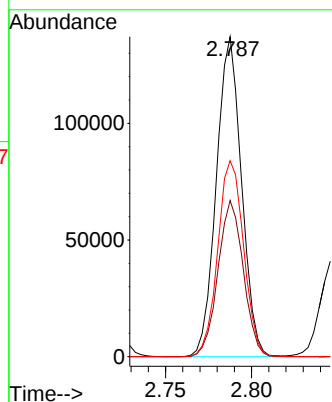
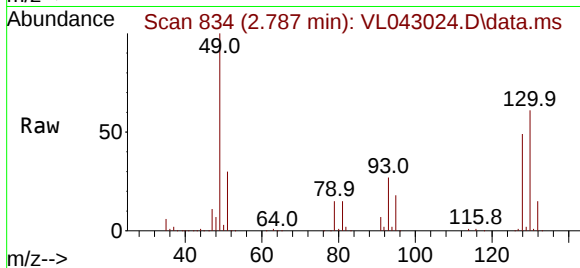




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

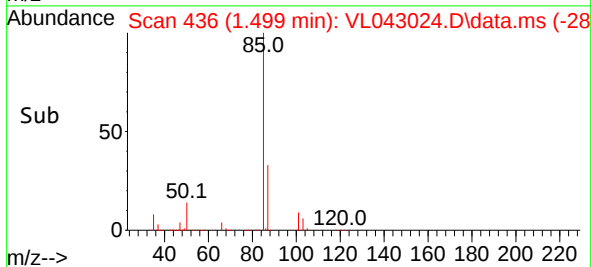
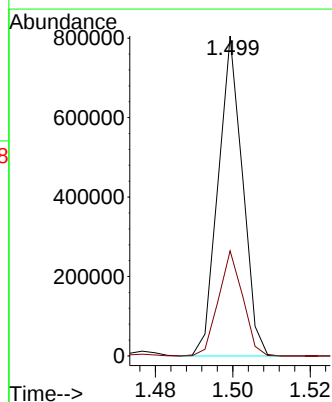
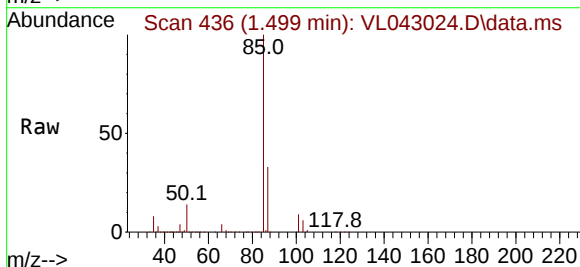
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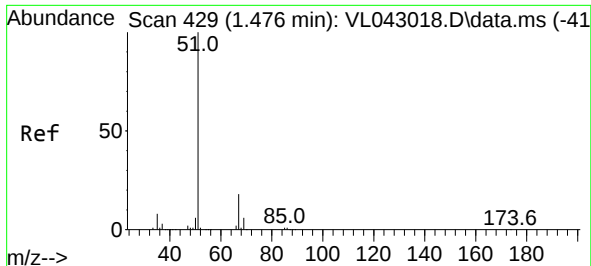
Tgt Ion: 49 Resp: 139317
 Ion Ratio Lower Upper
 49 100
 128 49.1 25.2 75.6
 130 63.0 31.6 94.7



#2
 Dichlorodifluoromethane
 Concen: 14.621 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Tgt Ion: 85 Resp: 352501
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.8 38.6

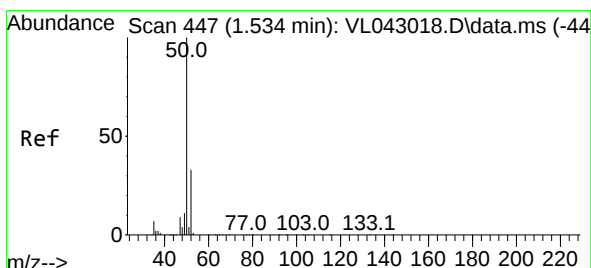
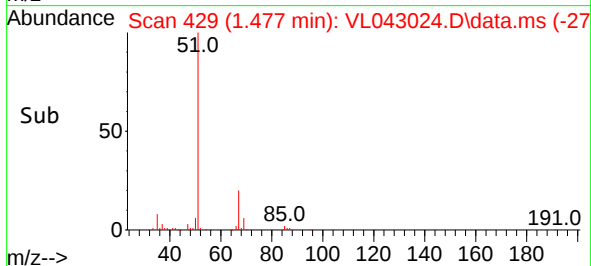
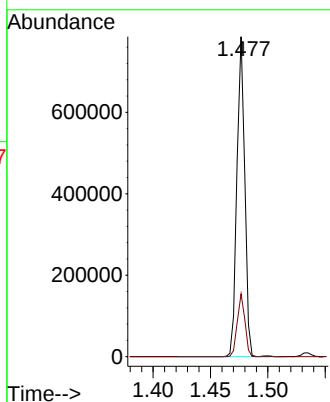
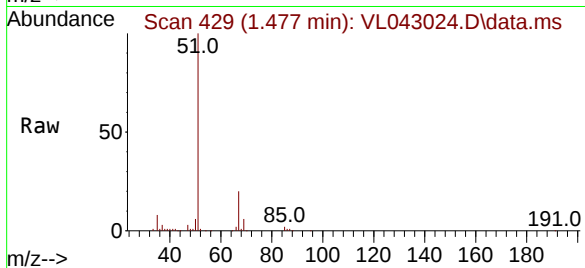




#3
Chlorodifluoromethane
Concen: 14.548 ppbv
RT: 1.477 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

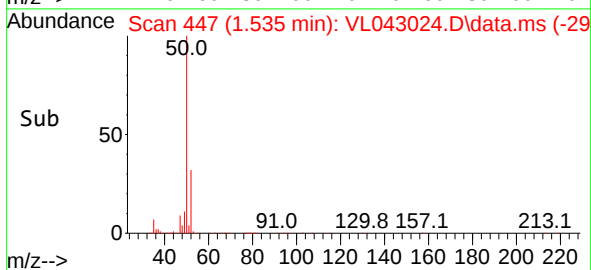
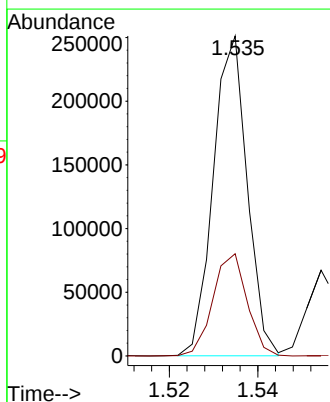
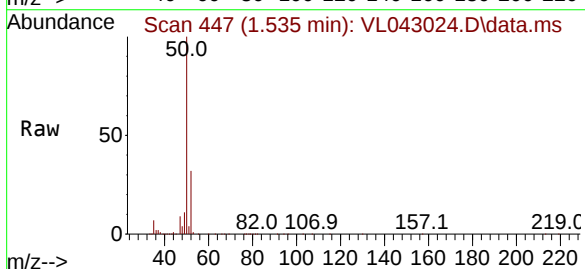
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MSVOA_L
ClientSampleId :

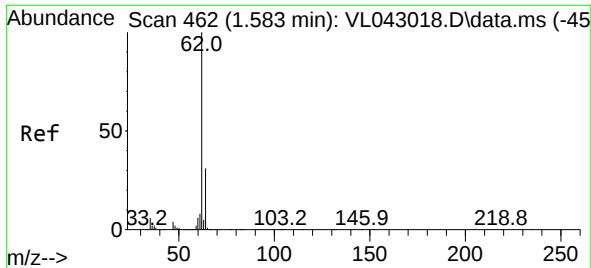
Tgt Ion: 51 Resp: 373452
Ion Ratio Lower Upper
51 100
67 19.1 15.1 22.7



#4
Chloromethane
Concen: 14.609 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 50 Resp: 133695
Ion Ratio Lower Upper
50 100
52 31.9 26.0 39.0

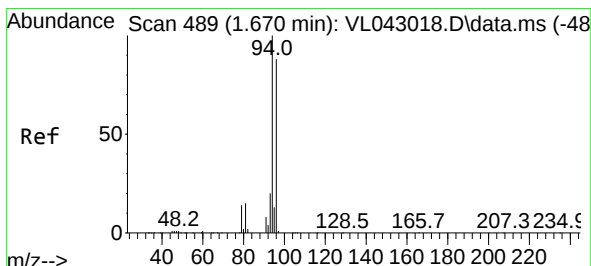
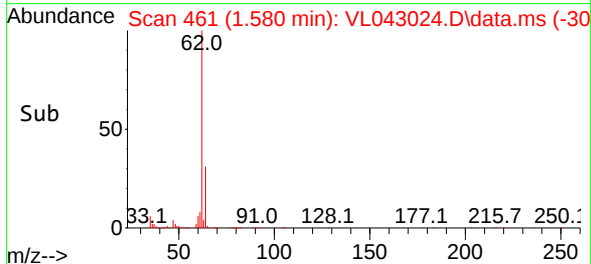
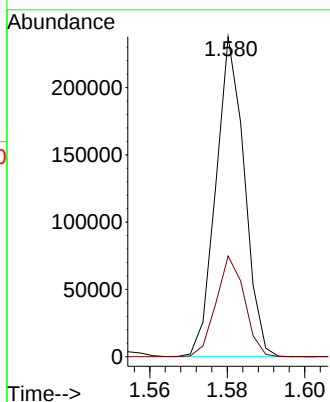
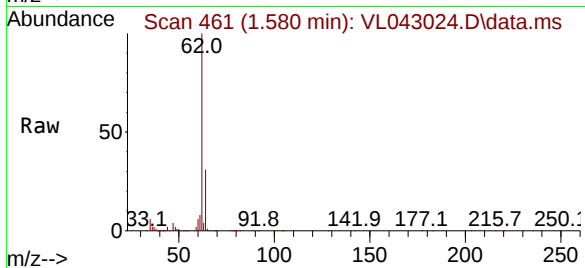




#5
 Vinyl Chloride
 Concen: 13.615 ppbv
 RT: 1.580 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

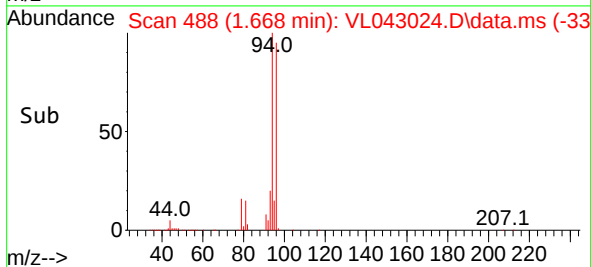
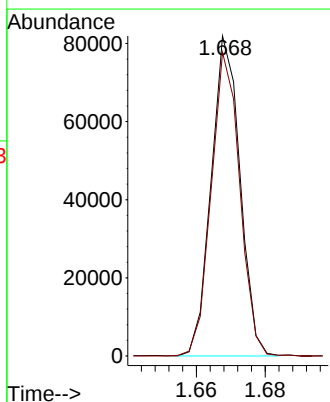
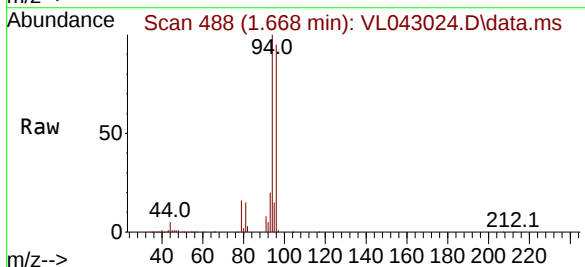
Instrument :
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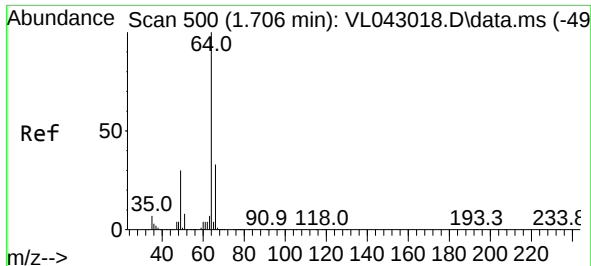
Tgt Ion: 62 Resp: 120858
 Ion Ratio Lower Upper
 62 100
 64 31.5 24.6 37.0



#6
 Bromomethane
 Concen: 14.848 ppbv
 RT: 1.668 min Scan# 488
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Tgt Ion: 94 Resp: 47629
 Ion Ratio Lower Upper
 94 100
 96 94.7 70.5 105.7

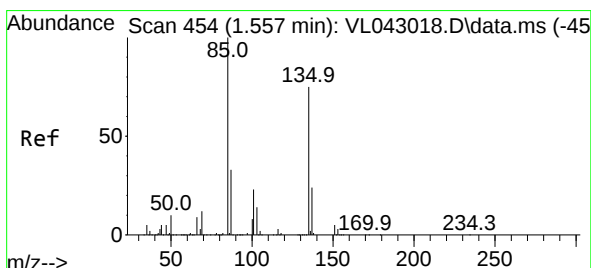
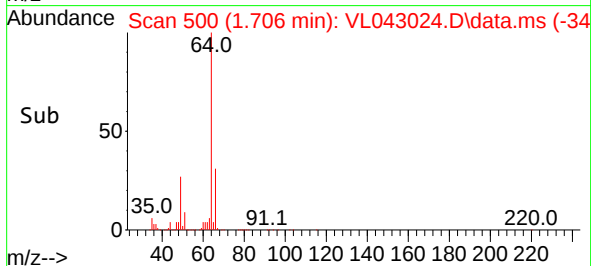
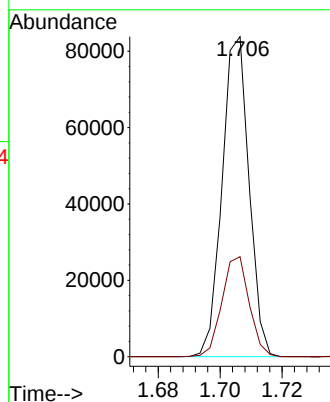
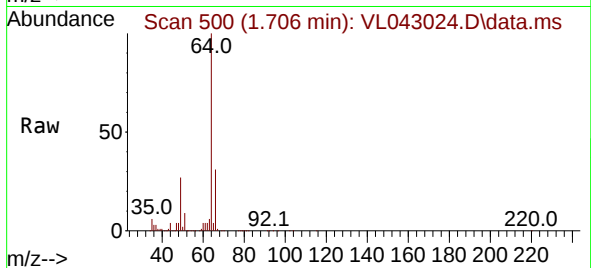




#7
Chloroethane
Concen: 14.284 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

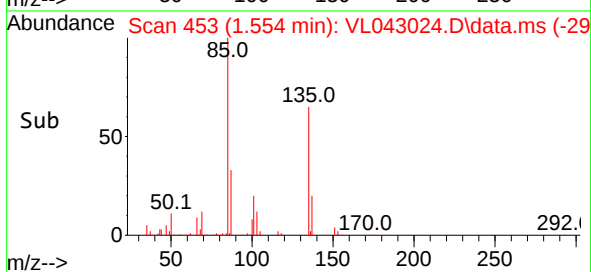
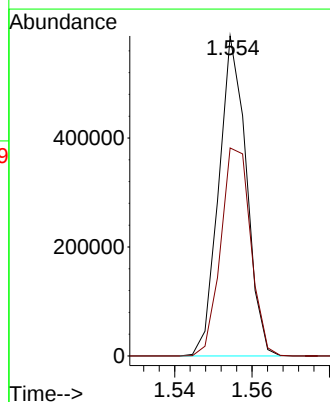
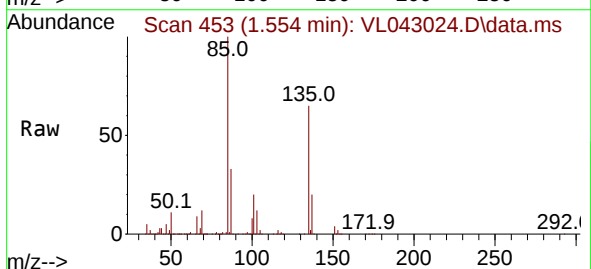
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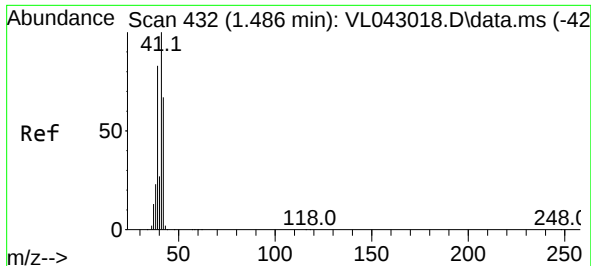
Tgt Ion: 64 Resp: 50615
Ion Ratio Lower Upper
64 100
66 31.3 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 14.753 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 85 Resp: 289959
Ion Ratio Lower Upper
85 100
135 71.0 57.4 86.0

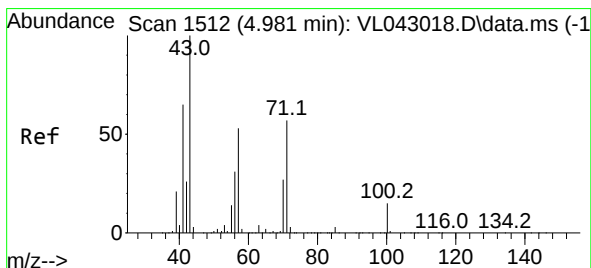
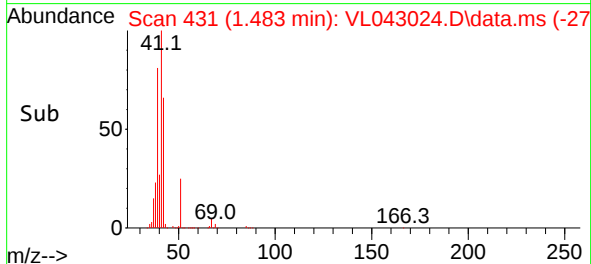
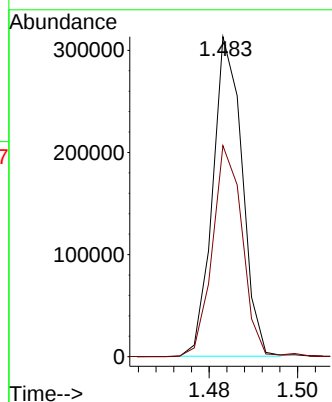
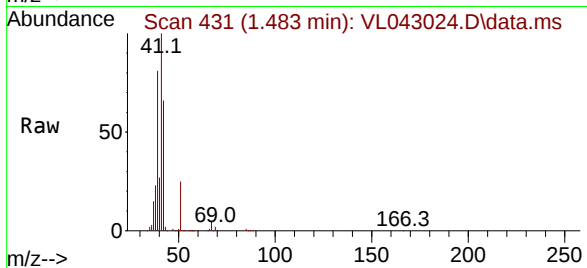




#9
Propene
Concen: 14.490 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

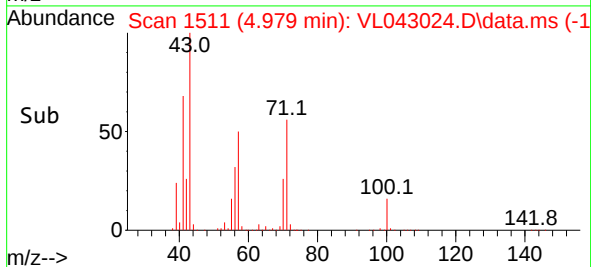
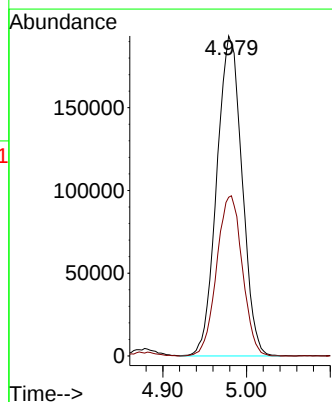
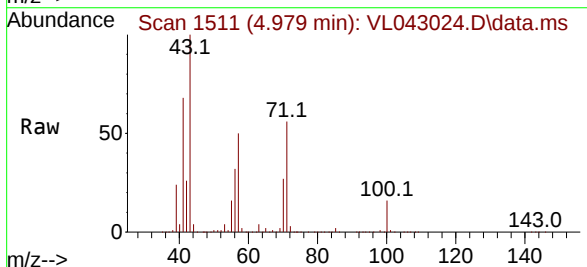
Instrument :
MSVOA_L
ClientSampleId :

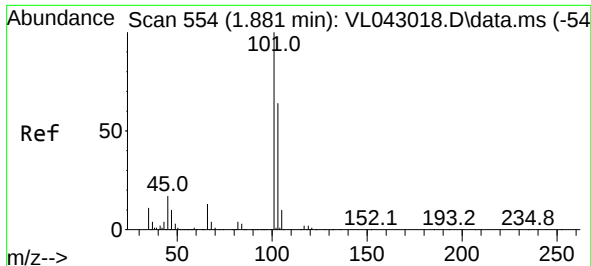
Tgt Ion: 41 Resp: 144689
Ion Ratio Lower Upper
41 100
42 67.5 54.2 81.2



#10
Heptane
Concen: 15.751 ppbv
RT: 4.979 min Scan# 1511
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 43 Resp: 405660
Ion Ratio Lower Upper
43 100
57 50.8 40.5 60.7

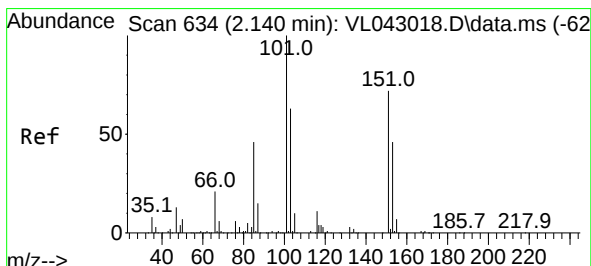
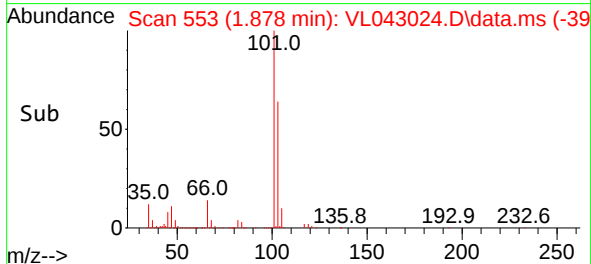
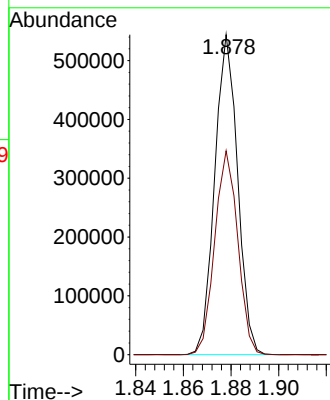
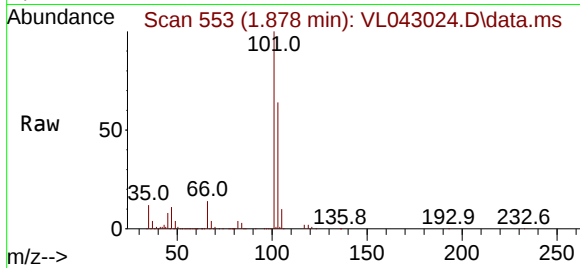




#11
 Trichlorofluoromethane
 Concen: 14.908 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

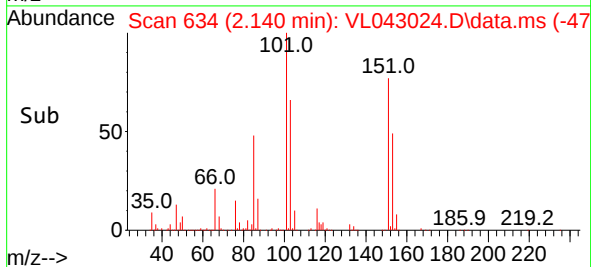
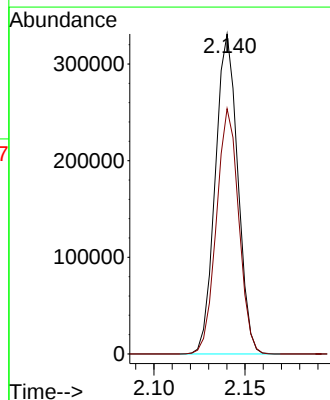
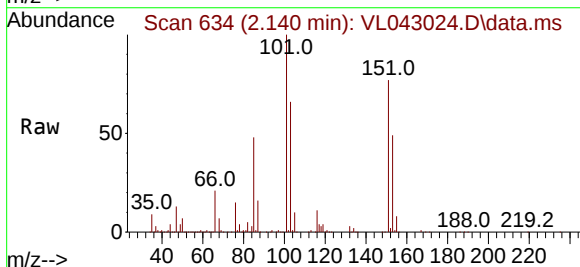
Instrument :
 MSVOA_L
 ClientSampleId :

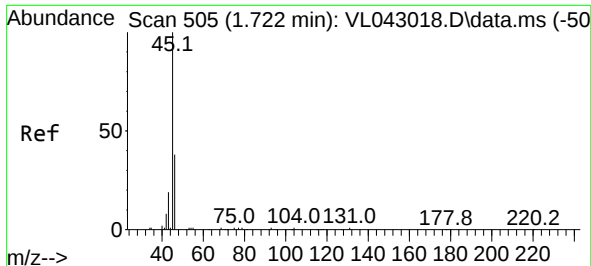
Tgt Ion:101 Resp: 362223
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.781 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

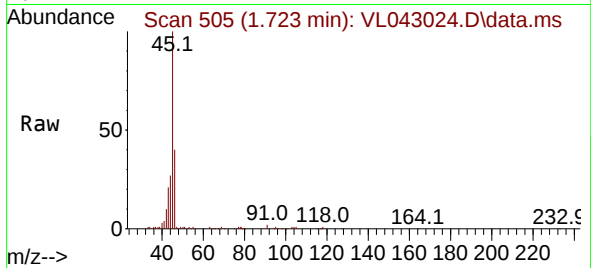
Tgt Ion:101 Resp: 284614
 Ion Ratio Lower Upper
 101 100
 151 75.9 60.2 90.4



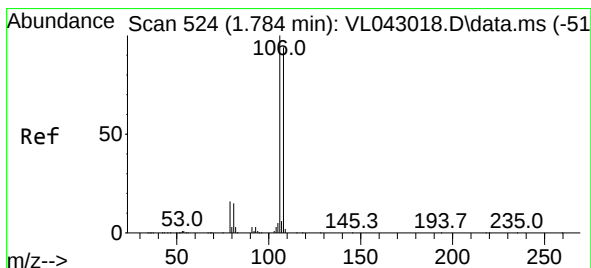
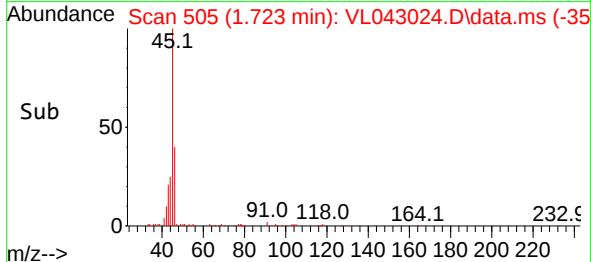
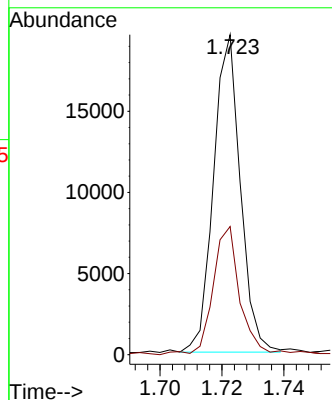


#13
Ethanol
Concen: 15.133 ppbv
RT: 1.723 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :

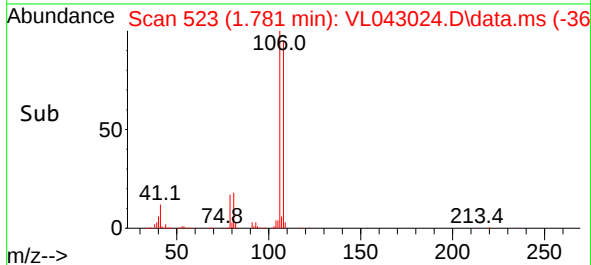
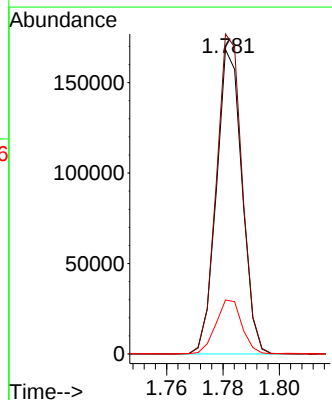
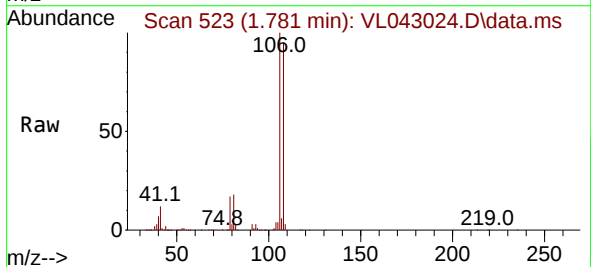


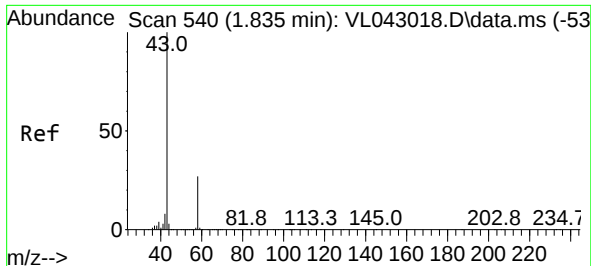
Tgt Ion: 45 Resp: 11760
Ion Ratio Lower Upper
45 100
46 42.1 16.2 64.8



#14
Bromoethene
Concen: 14.826 ppbv
RT: 1.781 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 108 Resp: 106398
Ion Ratio Lower Upper
108 100
106 105.4 85.4 128.0
79 18.9 13.8 20.8

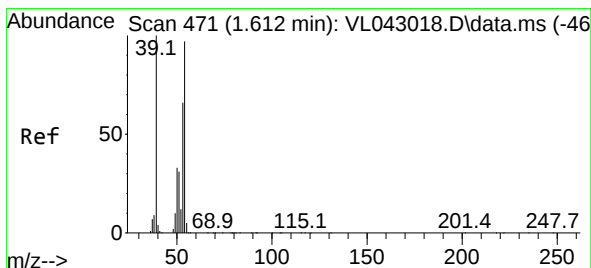
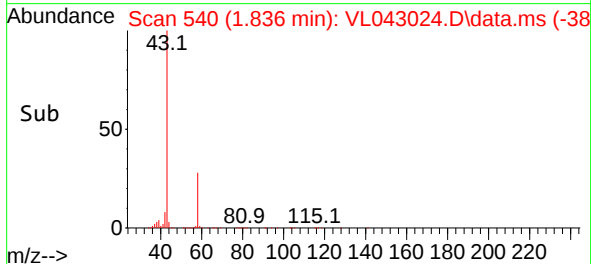
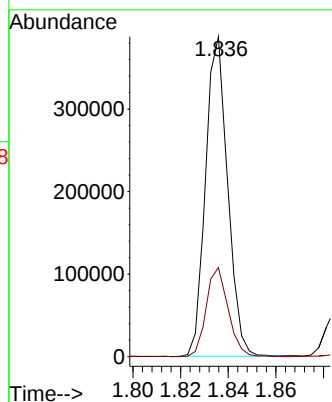
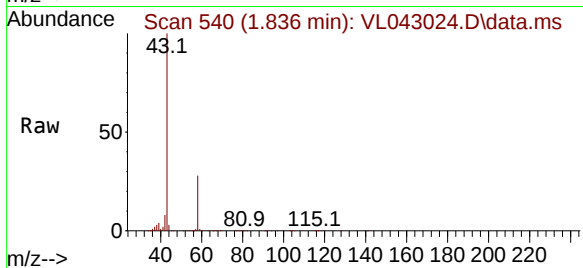




#15
Acetone
Concen: 12.589 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

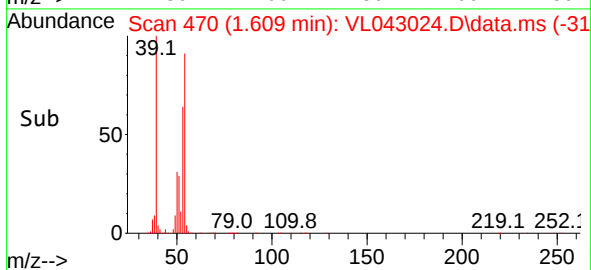
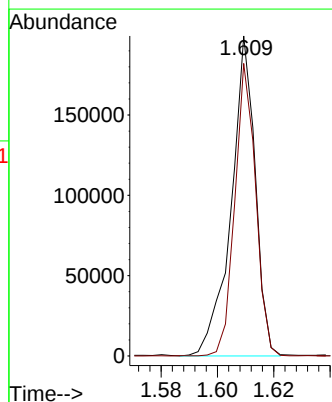
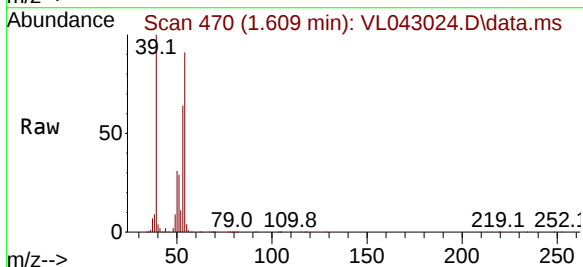
Instrument :
MSVOA_1
ClientSampleId :

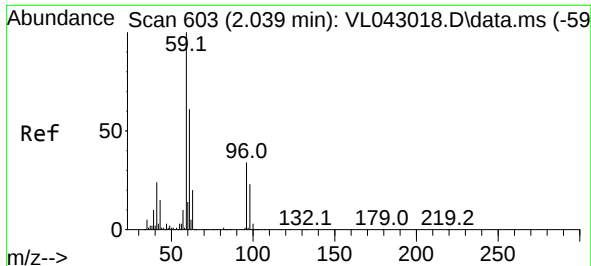
Tgt Ion: 43 Resp: 250074
Ion Ratio Lower Upper
43 100
58 27.9 22.8 34.2



#16
1,3-Butadiene
Concen: 14.096 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 39 Resp: 118543
Ion Ratio Lower Upper
39 100
54 79.0 65.4 98.2





#17

tert-Butyl alcohol

Concen: 13.564 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

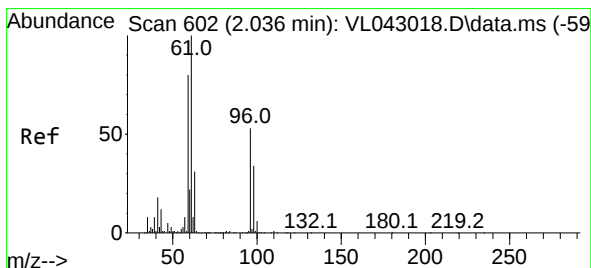
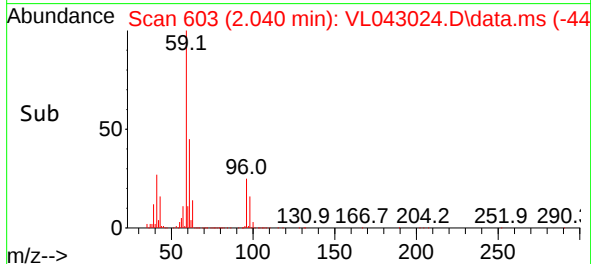
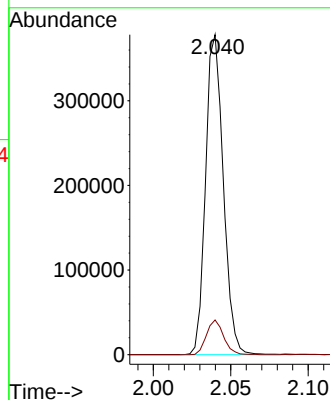
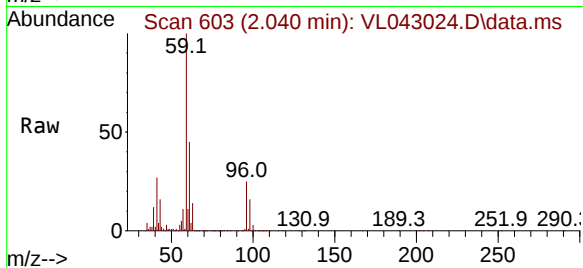
ClientSampleId :

Tgt Ion: 59 Resp: 301080

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 14.574 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

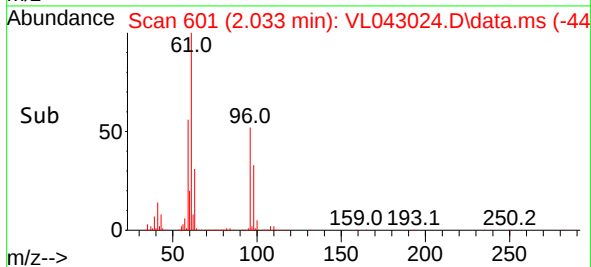
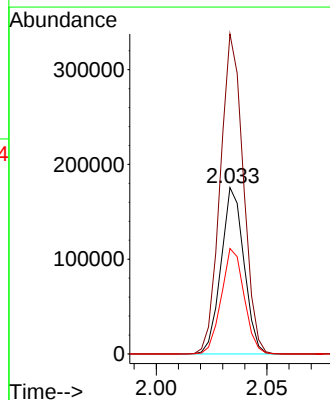
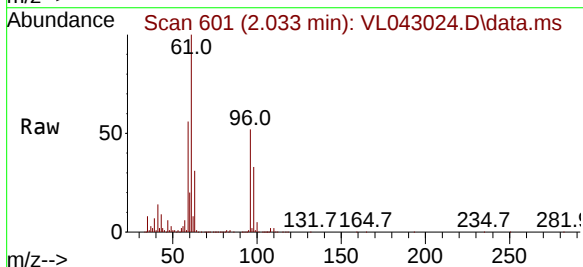
Tgt Ion: 96 Resp: 126213

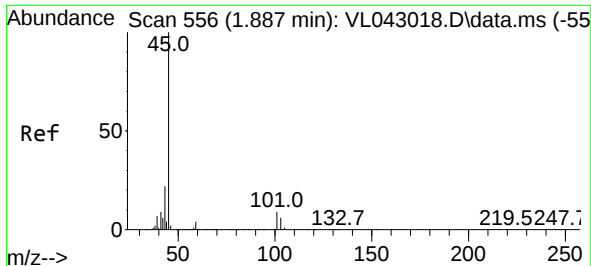
Ion Ratio Lower Upper

96 100

61 192.3 151.4 227.0

98 63.4 51.5 77.3





#19

Isopropyl Alcohol

Concen: 13.586 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

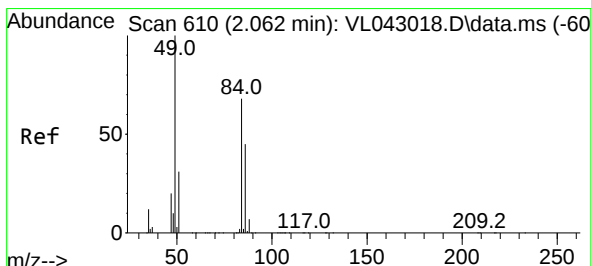
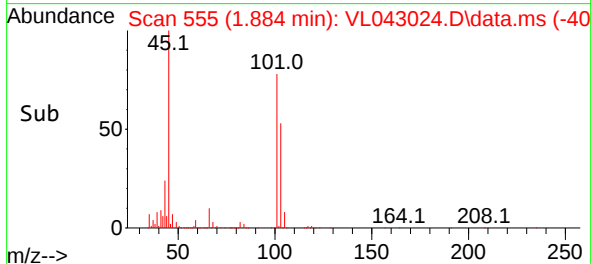
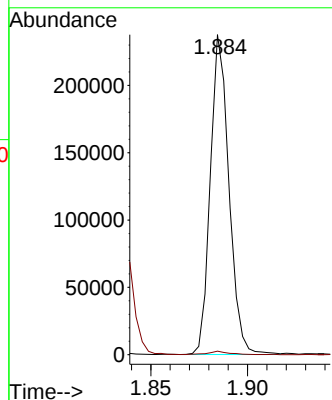
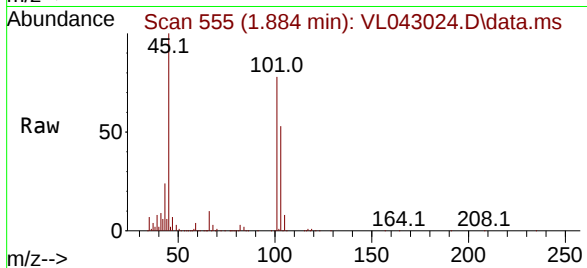
ClientSampleId :

Tgt Ion: 45 Resp: 158717

Ion Ratio Lower Upper

45 100

58 43.9 33.9 50.9



#20

Methylene Chloride

Concen: 15.506 ppbv

RT: 2.062 min Scan# 610

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Tgt Ion: 84 Resp: 118891

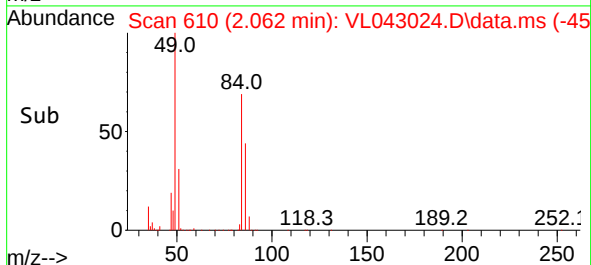
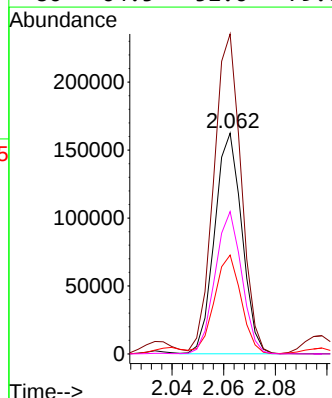
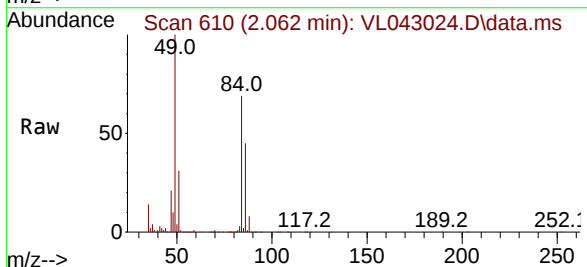
Ion Ratio Lower Upper

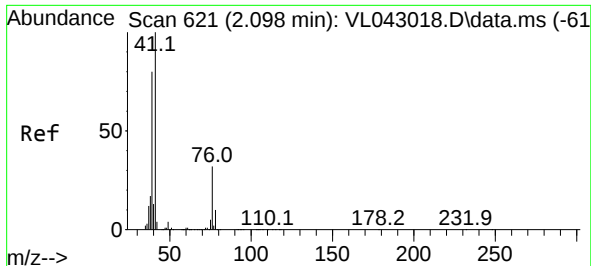
84 100

49 144.9 117.4 176.2

51 44.6 37.4 56.0

86 64.5 52.6 79.0

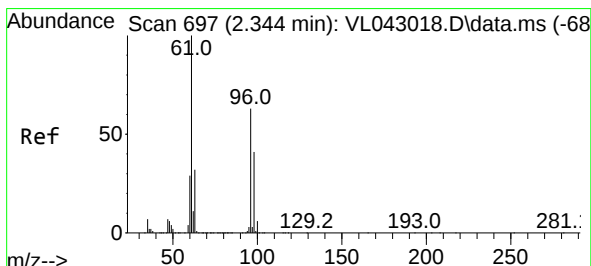
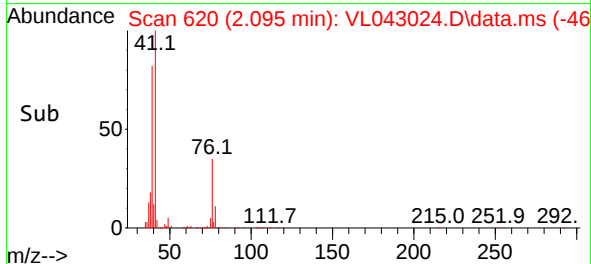
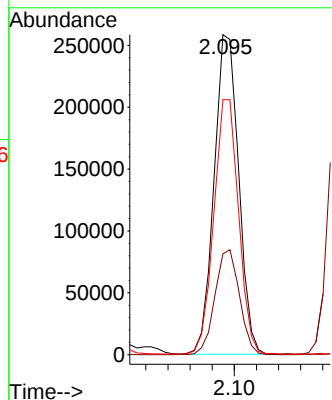
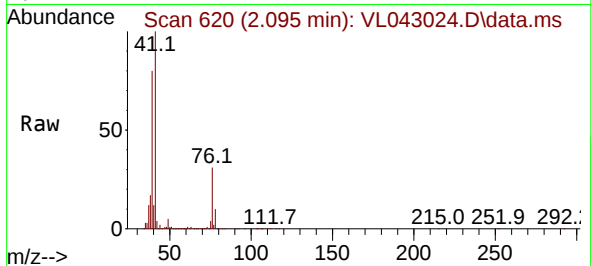




#21
 Allyl Chloride
 Concen: 14.817 ppbv
 RT: 2.095 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

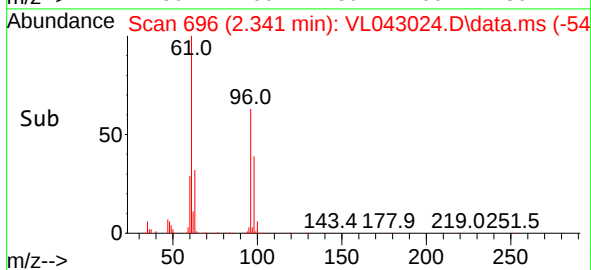
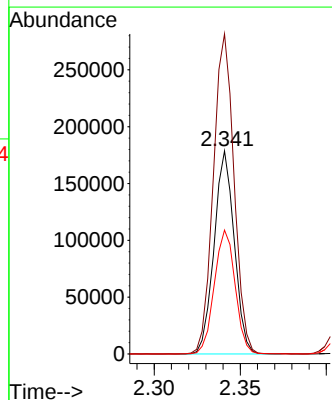
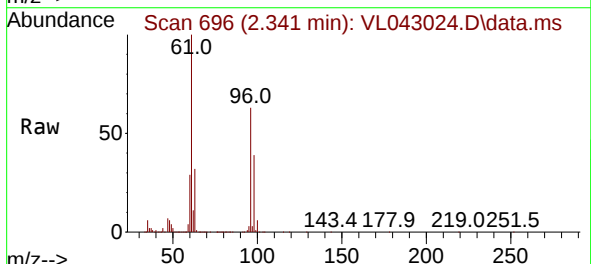
Instrument :
 MSVOA_L
 ClientSampleId :

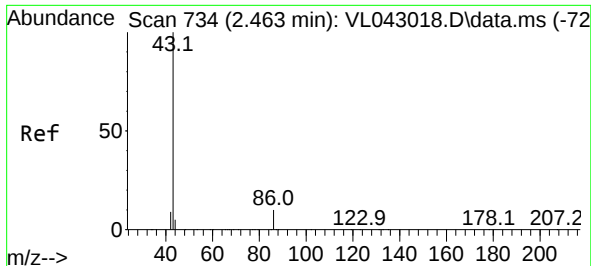
Tgt Ion: 41 Resp: 199141
 Ion Ratio Lower Upper
 41 100
 76 32.8 25.6 38.4
 39 80.2 62.6 94.0



#22
 trans-1,2-Dichloroethene
 Concen: 14.851 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

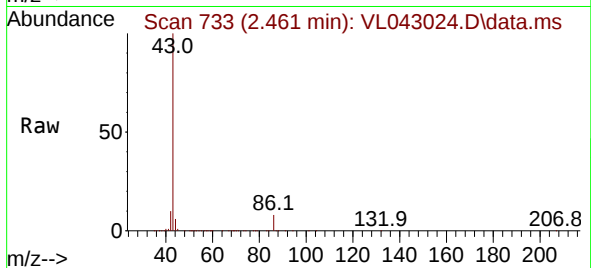
Tgt Ion: 96 Resp: 145595
 Ion Ratio Lower Upper
 96 100
 61 157.6 126.1 189.1
 98 61.0 51.3 76.9





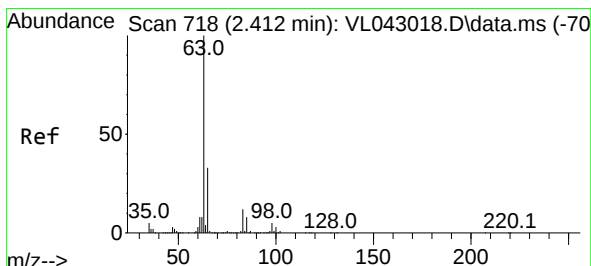
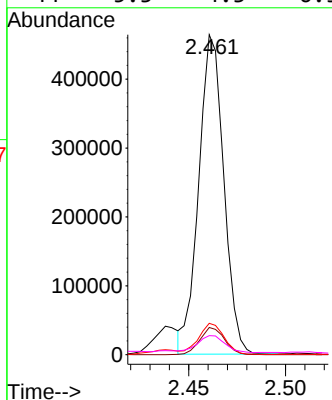
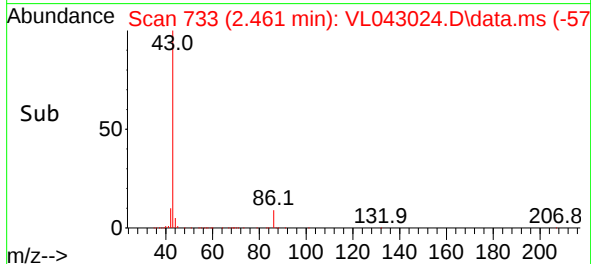
#23
 Vinyl Acetate
 Concen: 15.228 ppbv
 RT: 2.461 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :

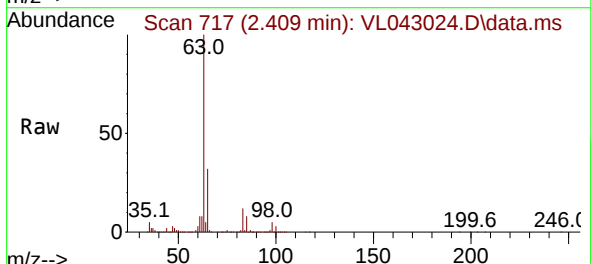


Tgt Ion: 43 Resp: 417914

Ion	Ratio	Lower	Upper
43	100		
86	8.5	7.1	10.7
42	9.7	7.9	11.9
44	5.3	4.3	6.5

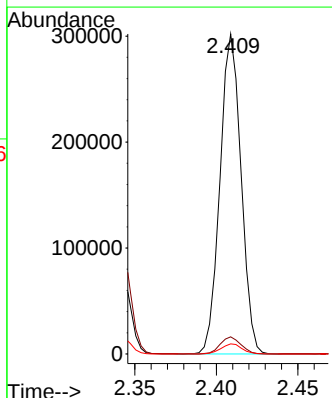
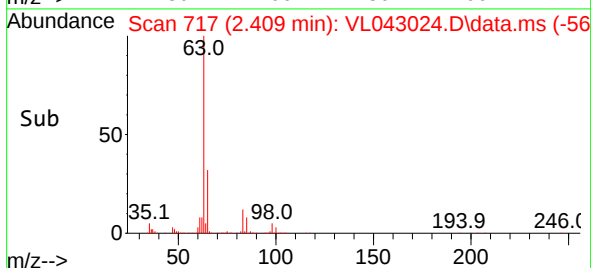


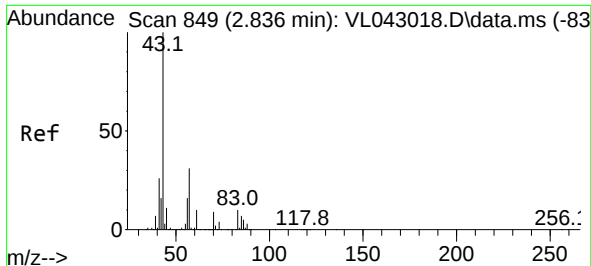
#24
 1,1-Dichloroethane
 Concen: 14.712 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27



Tgt Ion: 63 Resp: 271460

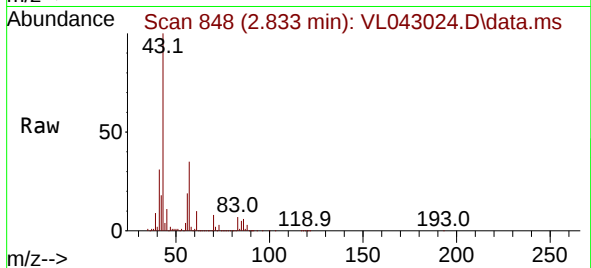
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.4	7.2
100	3.1	1.6	4.8



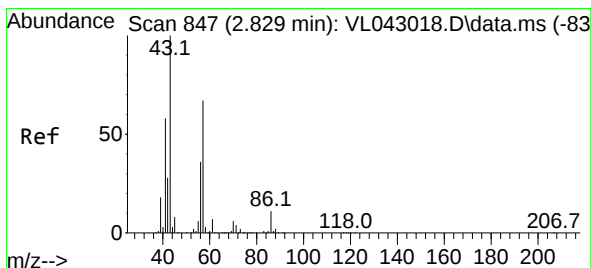
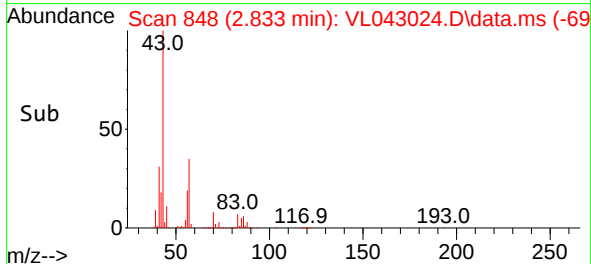
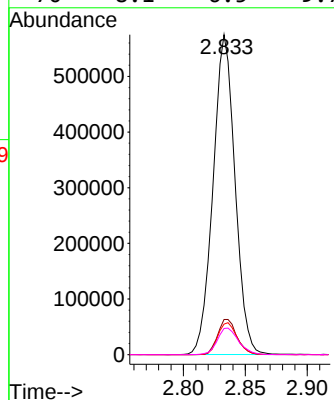


#25
Ethyl Acetate
Concen: 14.019 ppbv
RT: 2.833 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Instrument :
MSVOA_L
ClientSampleId :

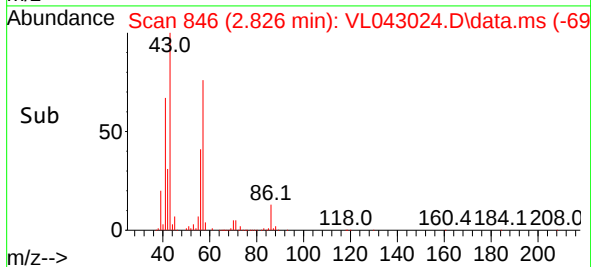
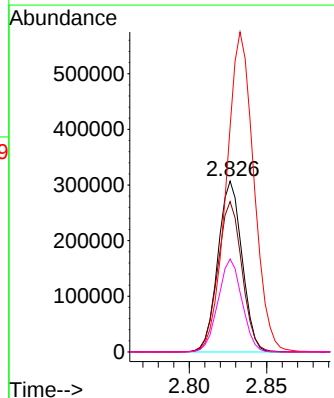
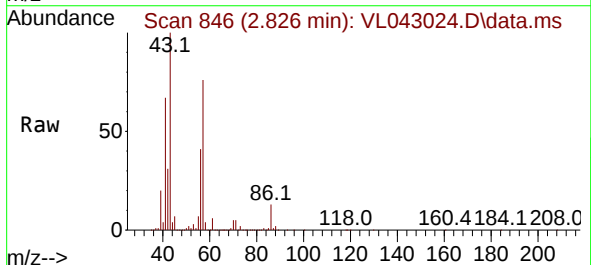


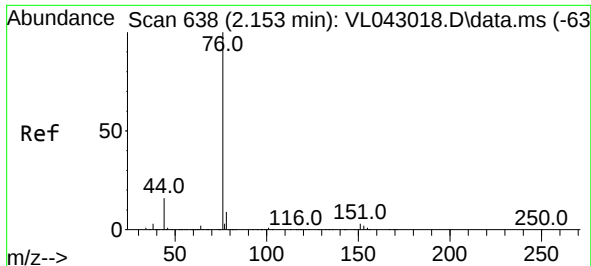
Tgt Ion:	43	Resp:	710402
Ion Ratio	100	Lower	Upper
45	9.8	7.8	11.6
61	8.9	7.0	10.4
70	8.1	6.5	9.7



#26
Hexane
Concen: 12.557 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion:	57	Resp:	330936
Ion Ratio	100	Lower	Upper
41	89.5	70.3	105.5
43	215.1	172.1	258.1
56	53.9	42.3	63.5

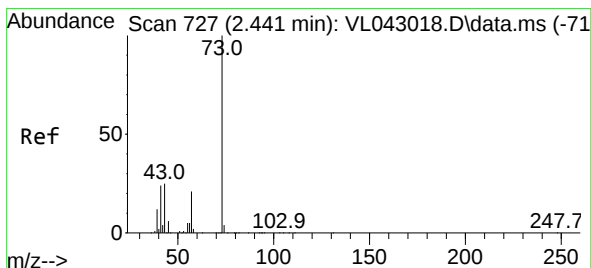
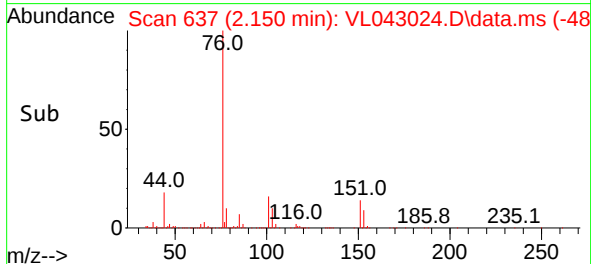
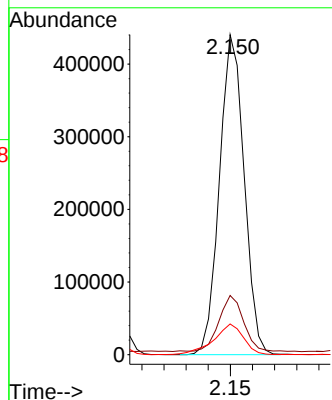
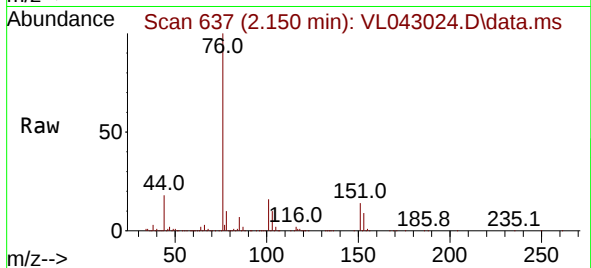




#27
Carbon Disulfide
Concen: 14.732 ppbv
RT: 2.150 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

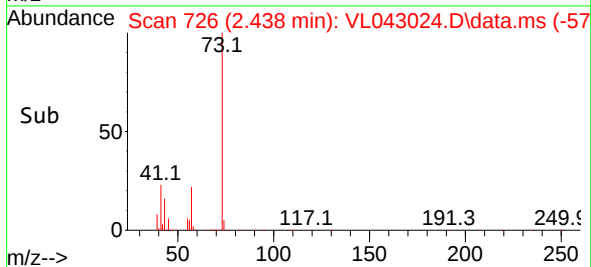
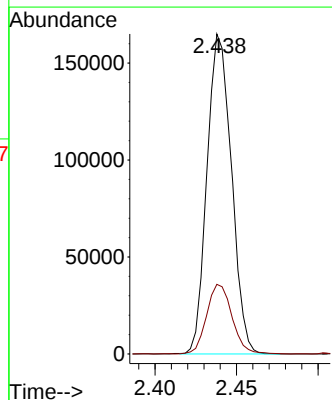
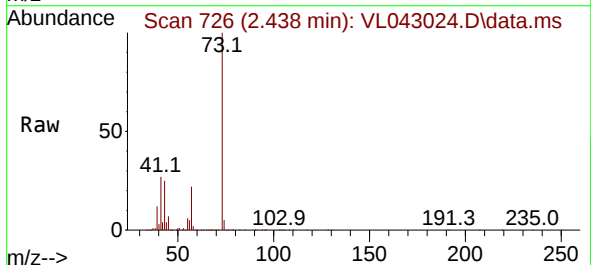
Instrument :
MSVOA_L
ClientSampleId :

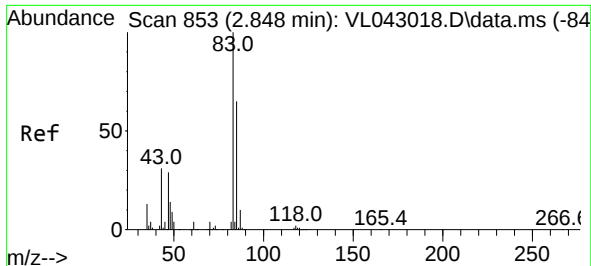
Tgt Ion: 76 Resp: 341474
Ion Ratio Lower Upper
76 100
44 17.5 14.6 21.8
78 11.6 9.4 14.2



#28
Methyl tert-Butyl Ether
Concen: 13.345 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 73 Resp: 172162
Ion Ratio Lower Upper
73 100
57 22.6 17.7 26.5





#29

Chloroform

Concen: 15.019 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

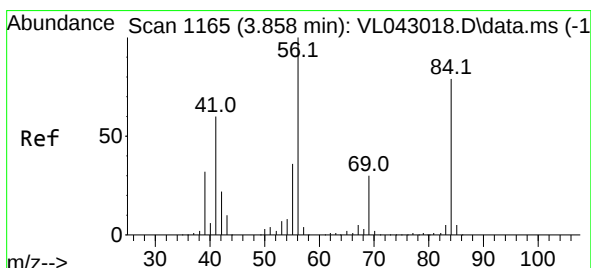
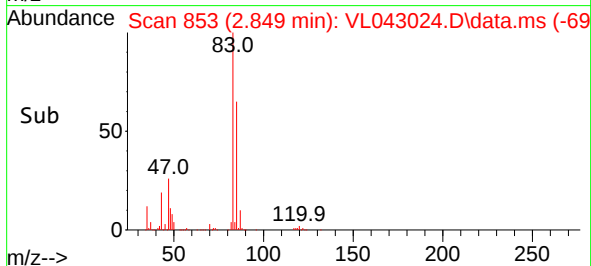
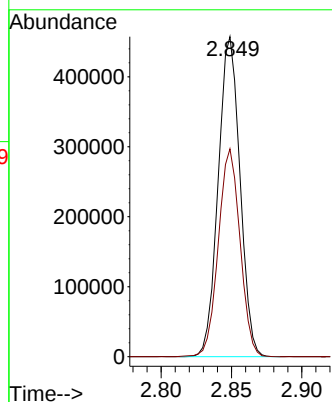
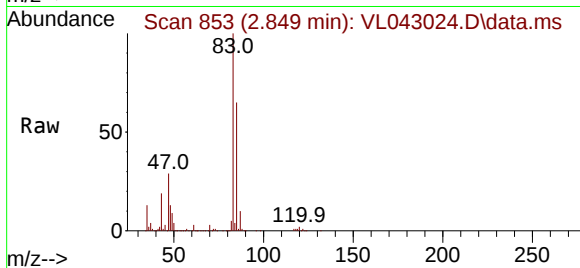
ClientSampleId :

Tgt Ion: 83 Resp: 492553

Ion Ratio Lower Upper

83 100

85 64.9 51.7 77.5



#30

Cyclohexane

Concen: 15.442 ppbv

RT: 3.856 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

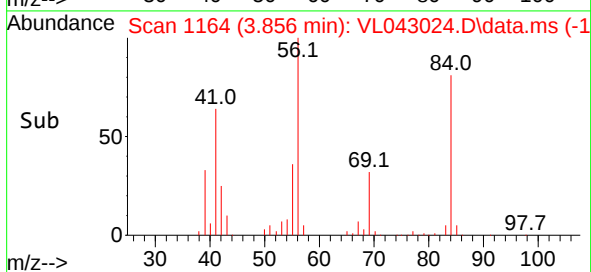
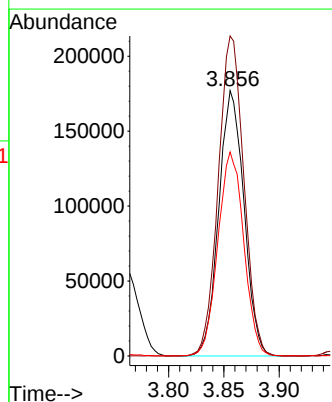
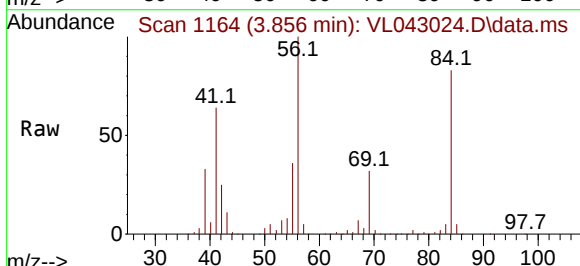
Tgt Ion: 84 Resp: 280306

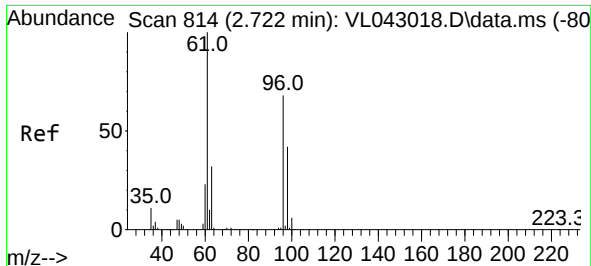
Ion Ratio Lower Upper

84 100

56 122.3 97.3 145.9

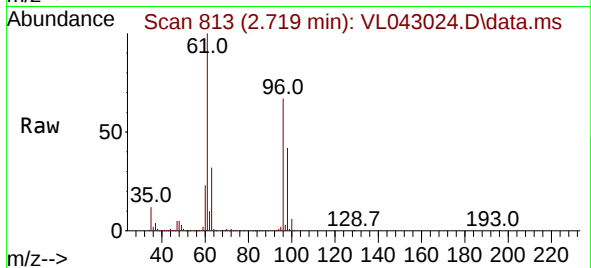
41 78.7 62.6 93.8



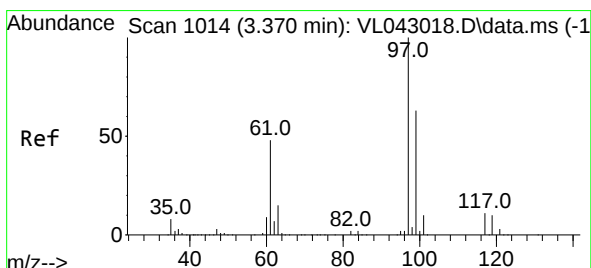
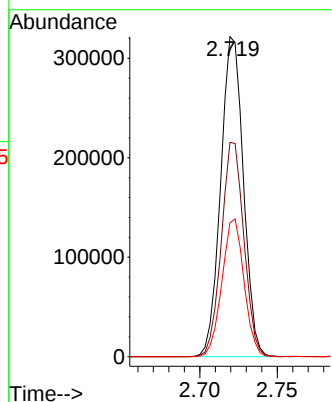
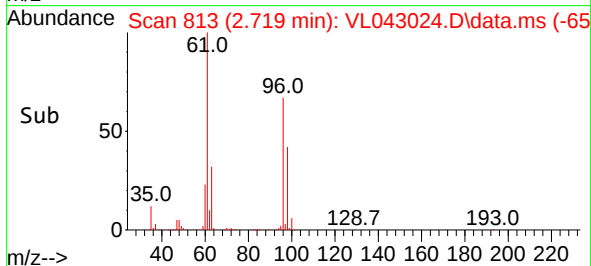


#31
 cis-1,2-Dichloroethene
 Concen: 15.339 ppbv
 RT: 2.719 min Scan# 814
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :

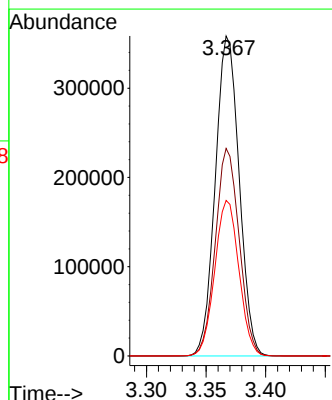
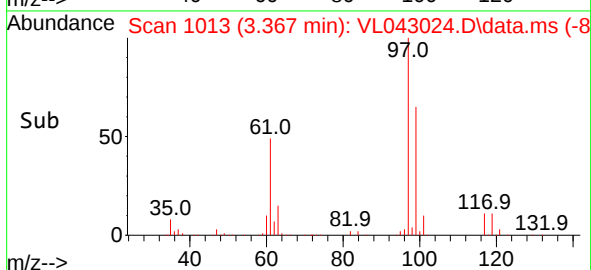
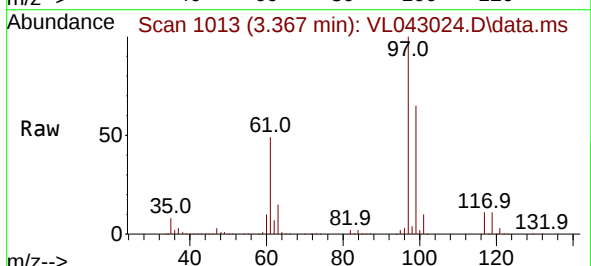


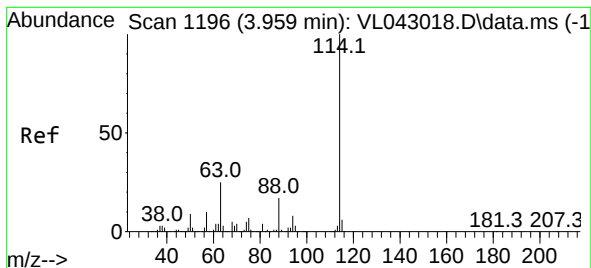
Tgt Ion: 61 Resp: 328232
 Ion Ratio Lower Upper
 61 100
 96 66.9 54.4 81.6
 98 41.9 33.7 50.5



#32
 1,1,1-Trichloroethane
 Concen: 15.026 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Tgt Ion: 97 Resp: 499172
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.0
 61 49.3 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

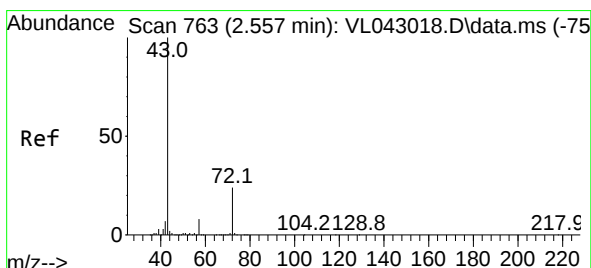
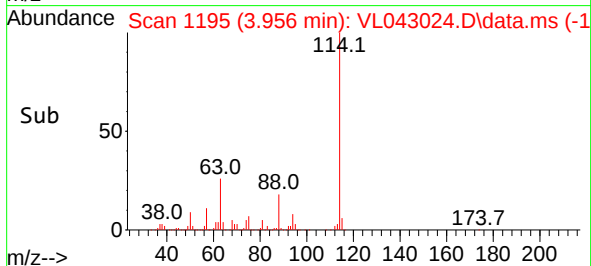
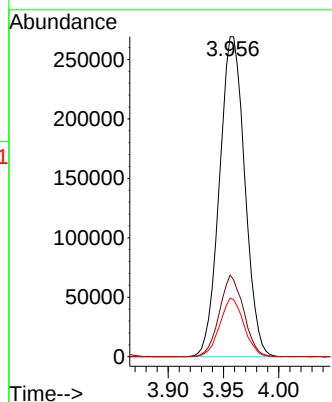
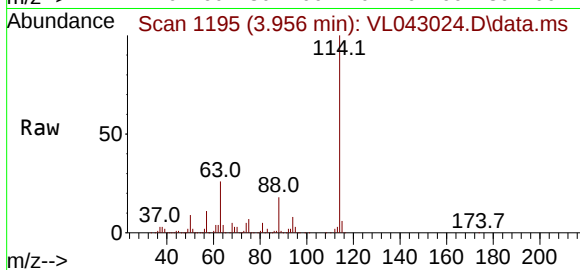
Tgt Ion:114 Resp: 427921

Ion Ratio Lower Upper

114 100

63 24.4 19.7 29.5

88 17.4 13.8 20.6



#34

2-Butanone

Concen: 15.216 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.003 min

Lab File: VL043024.D

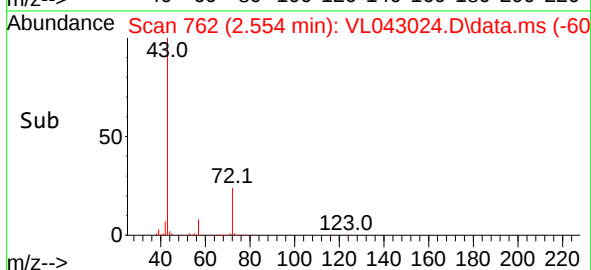
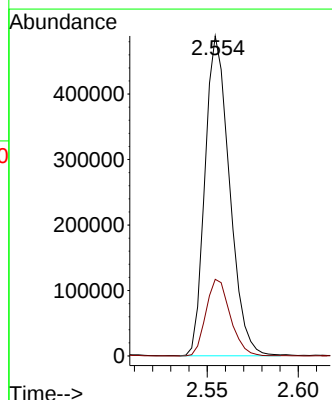
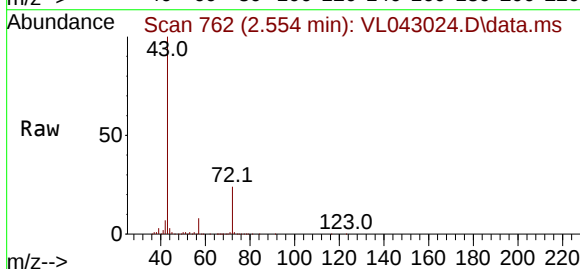
Acq: 30 Sep 2025 12:27

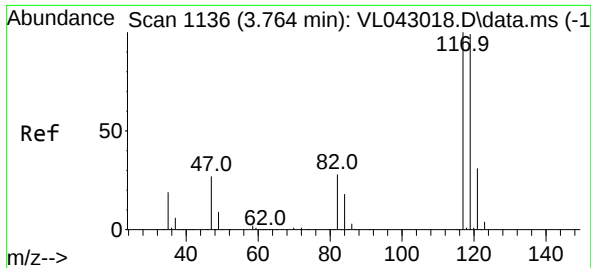
Tgt Ion: 43 Resp: 458457

Ion Ratio Lower Upper

43 100

72 23.9 18.7 28.1

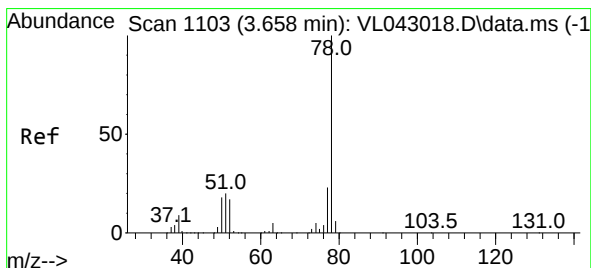
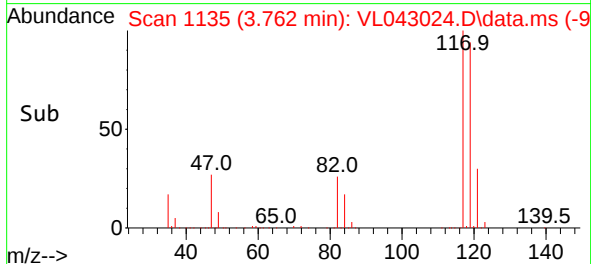
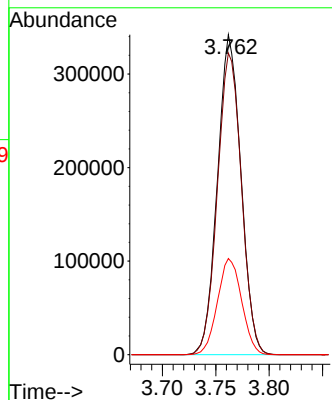
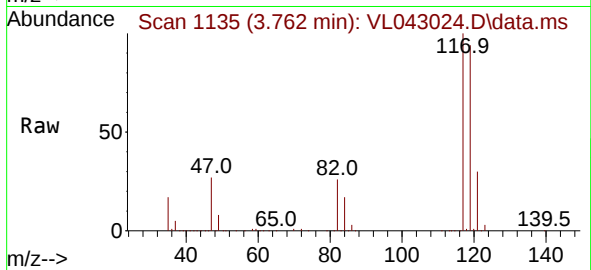




#35
Carbon Tetrachloride
Concen: 15.063 ppbv
RT: 3.762 min Scan# 1135
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

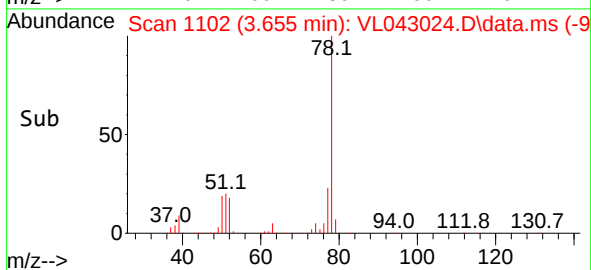
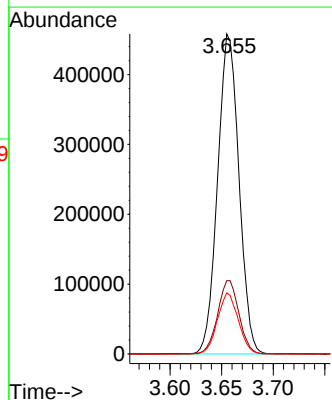
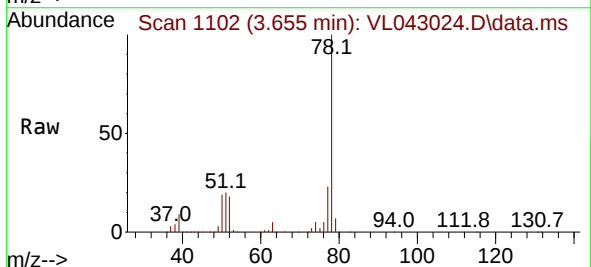
Instrument :
MSVOA_L
ClientSampleId :

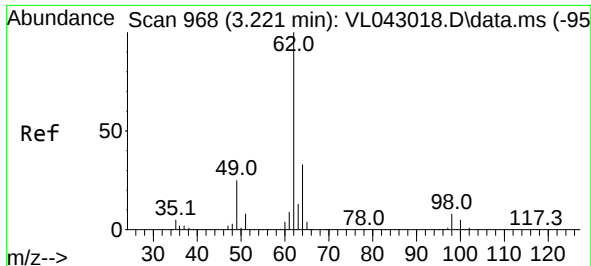
Tgt Ion:117 Resp: 523083
Ion Ratio Lower Upper
117 100
119 94.3 79.1 118.7
121 30.1 24.5 36.7



#36
Benzene
Concen: 15.369 ppbv
RT: 3.655 min Scan# 1102
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 78 Resp: 659167
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2
50 19.1 14.5 21.7





#37

1,2-Dichloroethane

Concen: 15.474 ppbv

RT: 3.218 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

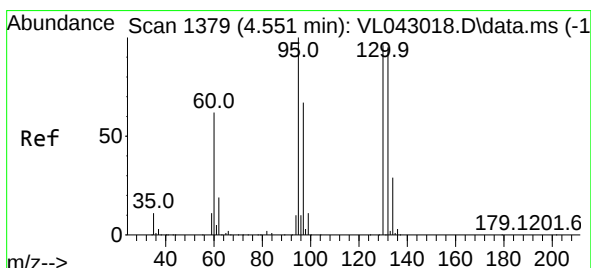
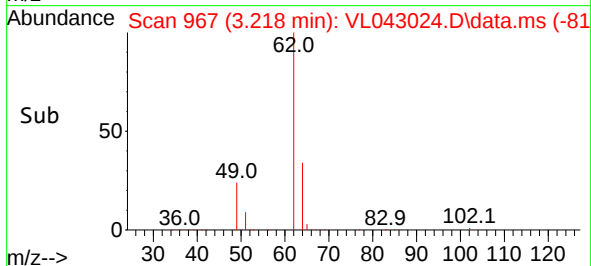
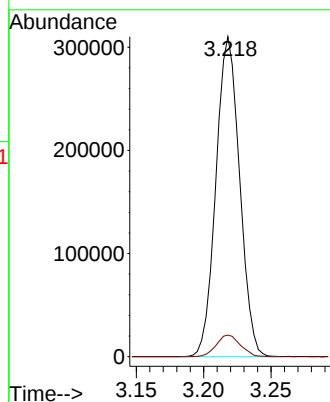
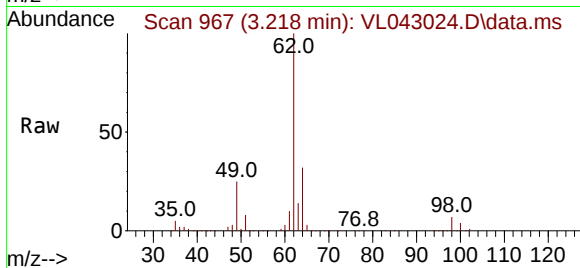
ClientSampleId :

Tgt Ion: 62 Resp: 379202

Ion Ratio Lower Upper

62 100

98 6.9 5.7 8.5



#38

Trichloroethene

Concen: 14.788 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Tgt Ion:130 Resp: 325016

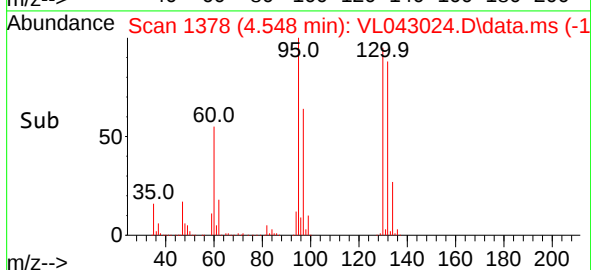
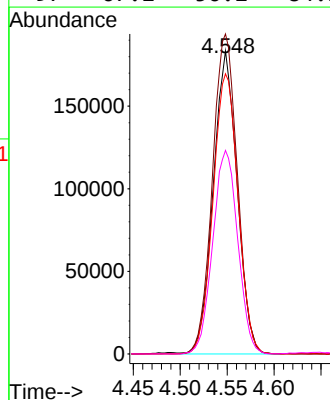
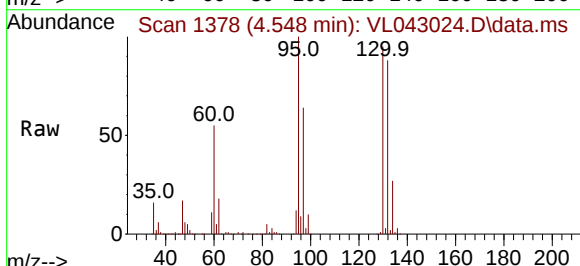
Ion Ratio Lower Upper

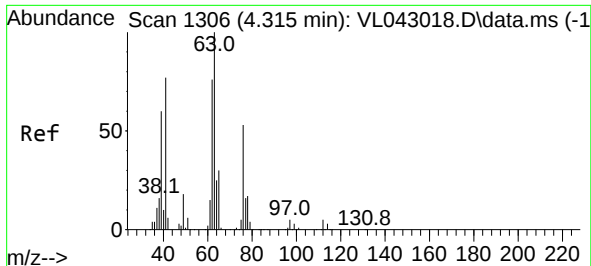
130 100

95 105.5 83.4 125.0

132 92.5 79.0 118.4

97 67.2 56.2 84.2





#39

1,2-Dichloropropane

Concen: 15.296 ppbv

RT: 4.312 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

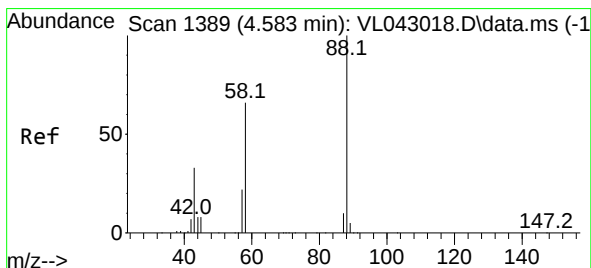
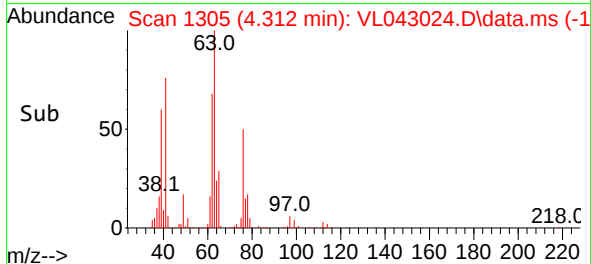
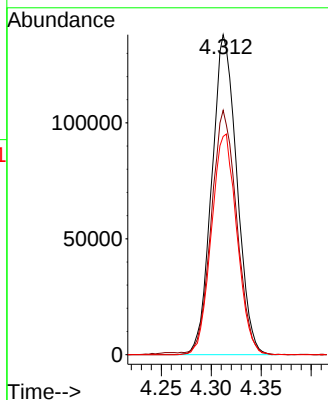
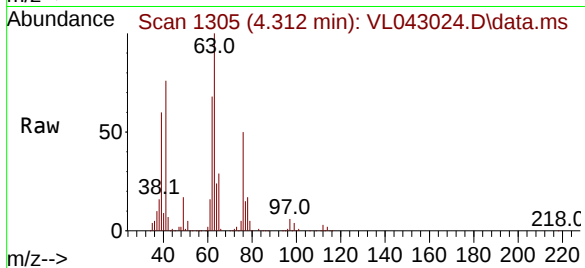
Tgt Ion: 63 Resp: 240881

Ion Ratio Lower Upper

63 100

41 76.2 62.3 93.5

62 68.1 60.5 90.7



#40

1,4-Dioxane

Concen: 15.863 ppbv

RT: 4.574 min Scan# 1386

Delta R.T. -0.009 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Tgt Ion: 88 Resp: 105958

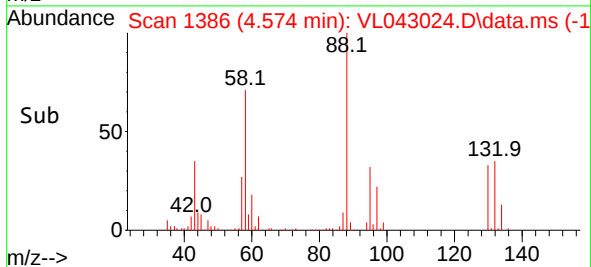
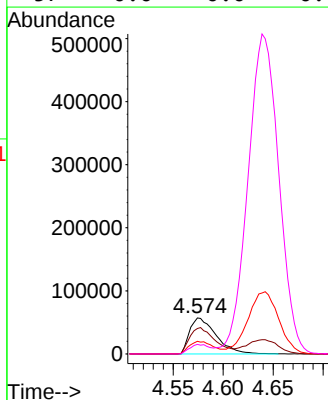
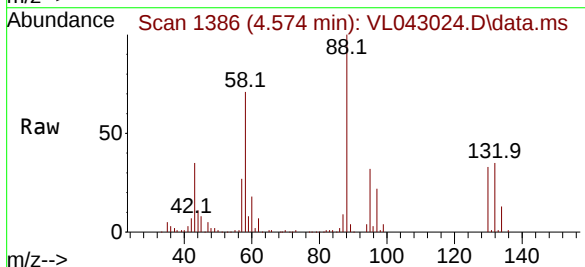
Ion Ratio Lower Upper

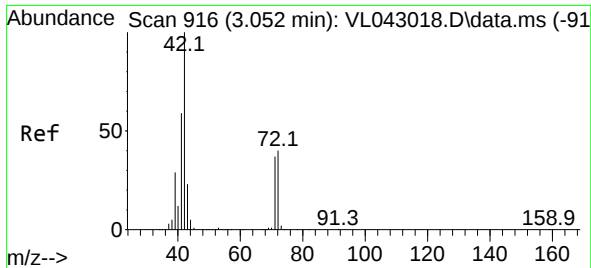
88 100

58 71.2 59.3 88.9

43 33.9 24.3 36.5

57 0.0 0.0 0.0

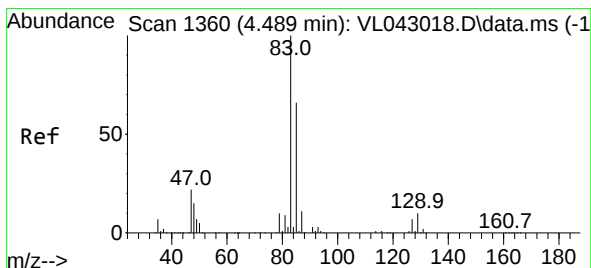
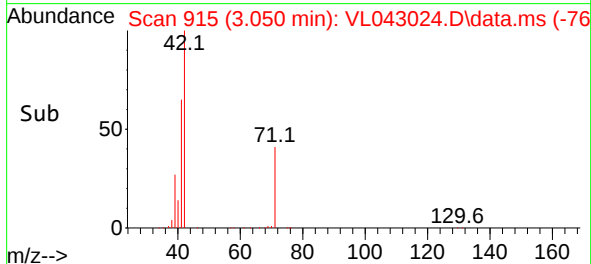
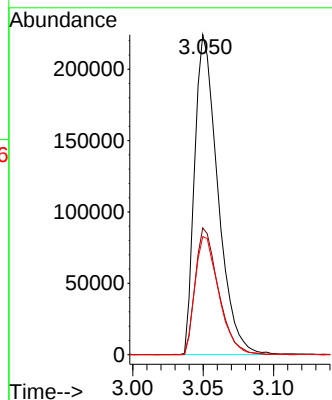
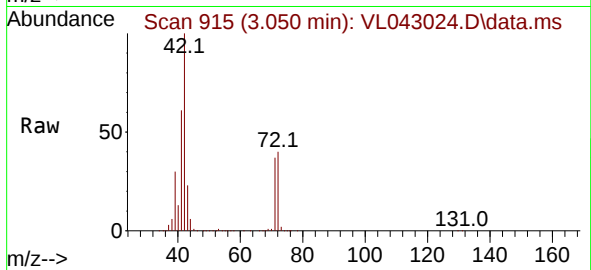




#41
Tetrahydrofuran
Concen: 16.008 ppbv
RT: 3.050 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

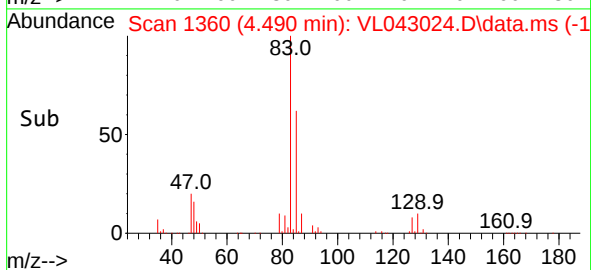
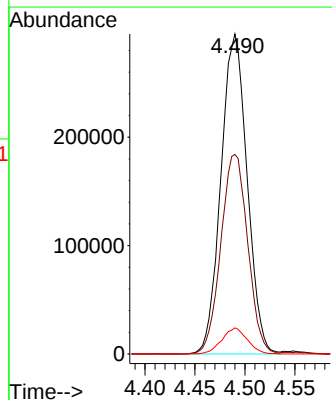
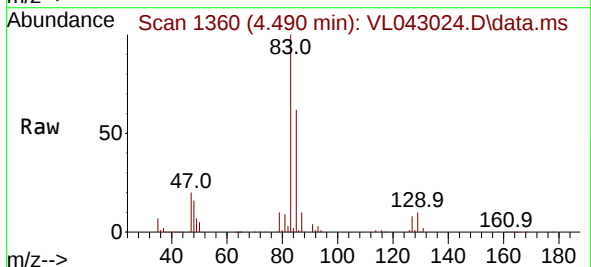
Instrument :
MSVOA_L
ClientSampleId :

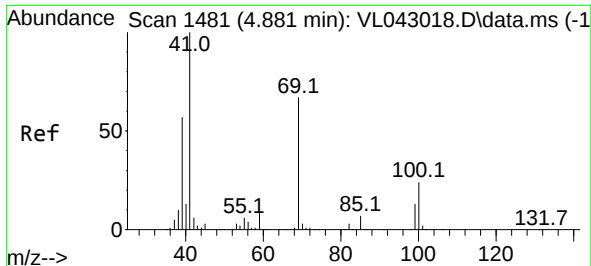
Tgt Ion: 42 Resp: 256866
Ion Ratio Lower Upper
42 100
72 39.5 31.6 47.4
71 38.0 30.4 45.6



#42
Bromodichloromethane
Concen: 15.833 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 83 Resp: 539023
Ion Ratio Lower Upper
83 100
85 62.3 52.6 78.8
127 8.2 5.7 8.5





#43

Methyl Methacrylate

Concen: 16.869 ppbv

RT: 4.875 min Scan# 1479

Delta R.T. -0.006 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

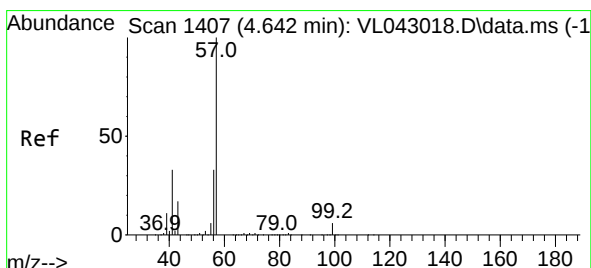
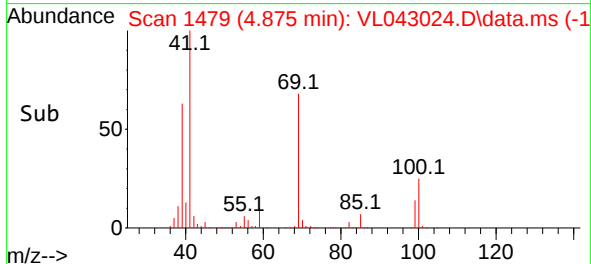
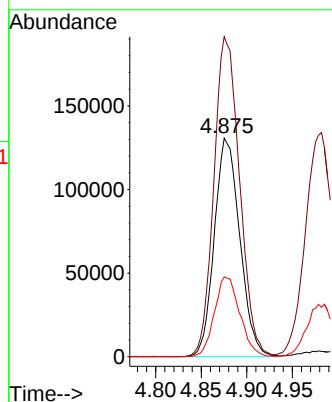
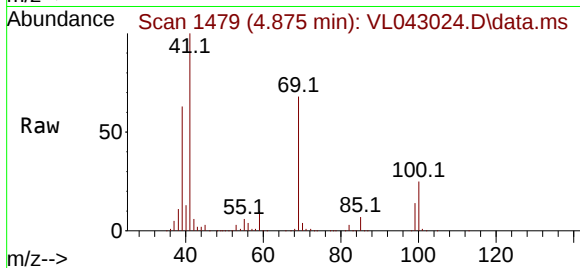
Tgt Ion: 69 Resp: 254204

Ion Ratio Lower Upper

69 100

41 147.8 117.6 176.4

100 36.4 29.0 43.6



#44

2,2,4-Trimethylpentane

Concen: 15.492 ppbv

RT: 4.639 min Scan# 1406

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

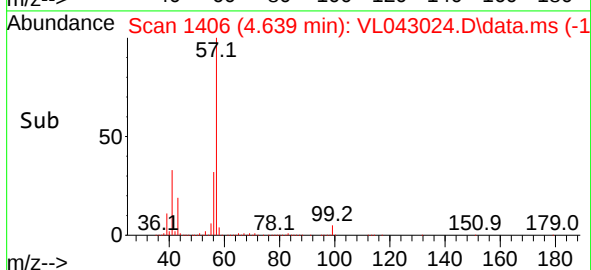
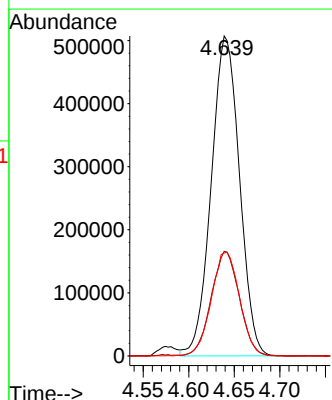
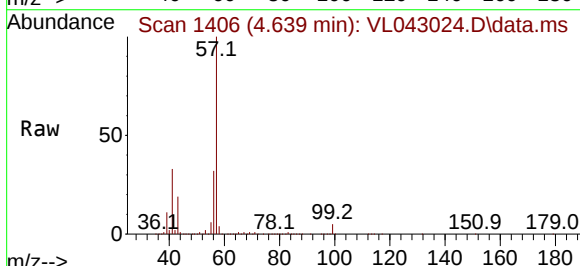
Tgt Ion: 57 Resp: 1093087

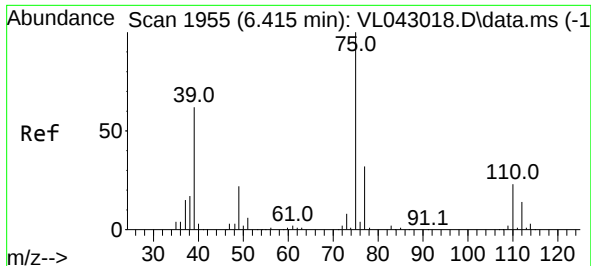
Ion Ratio Lower Upper

57 100

41 32.9 26.2 39.2

56 32.6 25.9 38.9

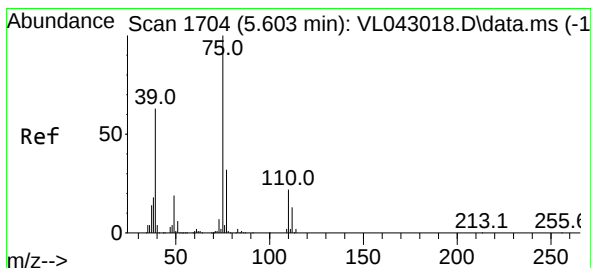
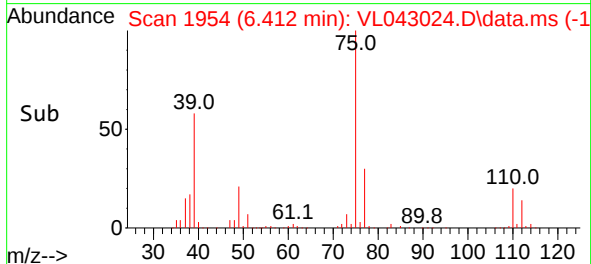
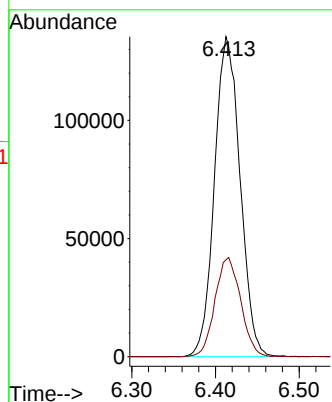
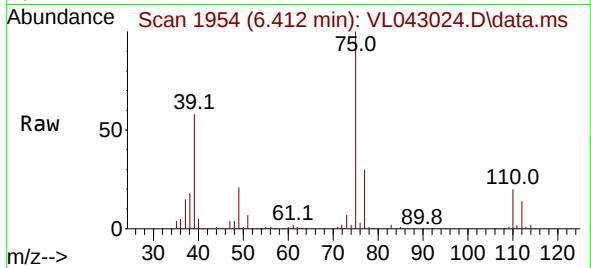




#45
 t-1,3-Dichloropropene
 Concen: 16.784 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

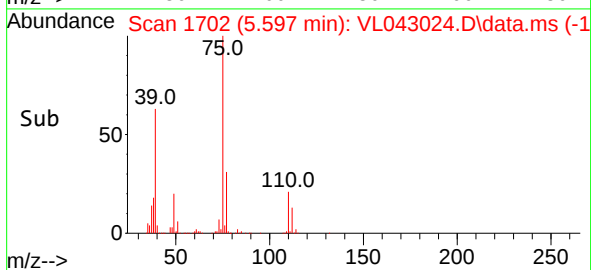
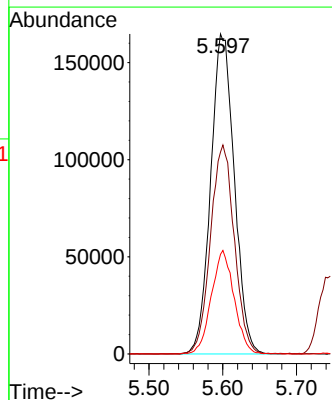
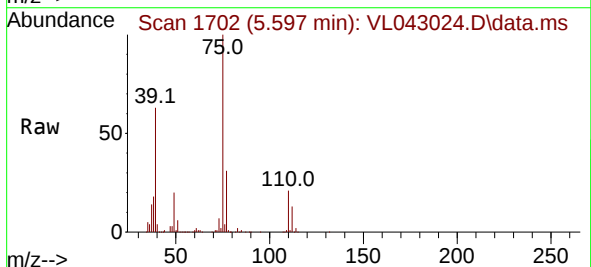
Instrument :
 MSVOA_L
 ClientSampleId :

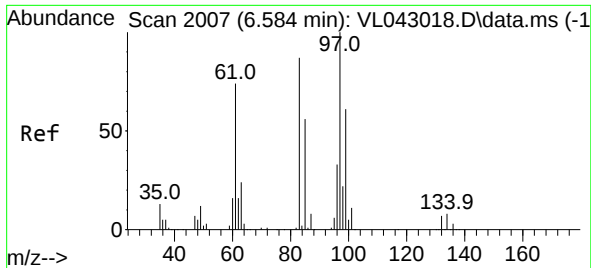
Tgt Ion: 75 Resp: 287581
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.8 38.6



#46
 cis-1,3-Dichloropropene
 Concen: 16.398 ppbv
 RT: 5.597 min Scan# 1702
 Delta R.T. -0.006 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

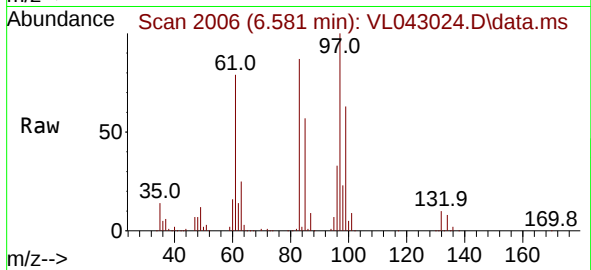
Tgt Ion: 75 Resp: 366508
 Ion Ratio Lower Upper
 75 100
 39 63.1 50.2 75.2
 77 31.1 25.4 38.0





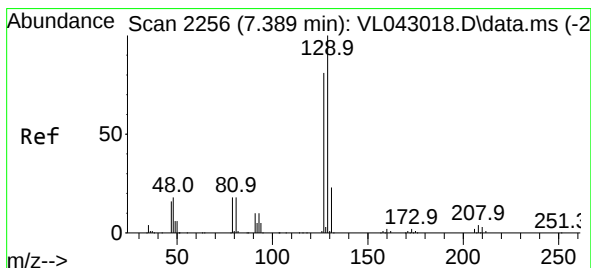
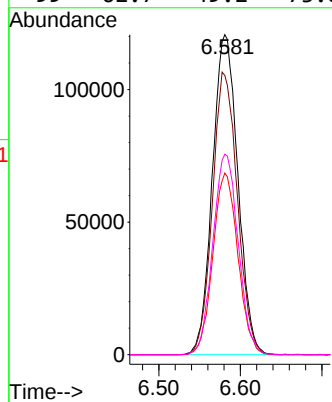
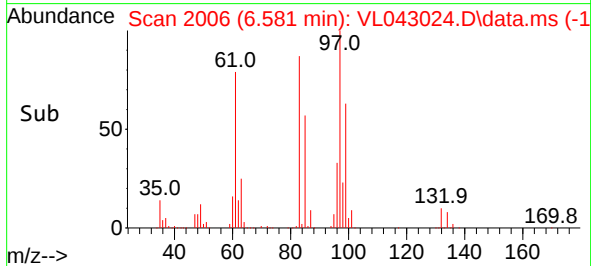
#47
 1,1,2-Trichloroethane
 Concen: 15.709 ppbv
 RT: 6.581 min Scan# 2006
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 97 Resp: 262422

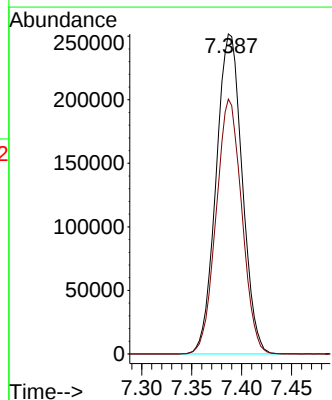
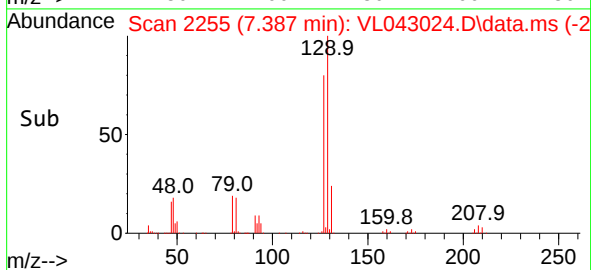
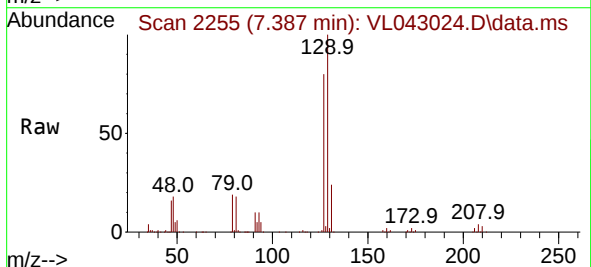
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.6	104.4
85	56.7	44.6	66.8
99	62.7	49.2	73.8

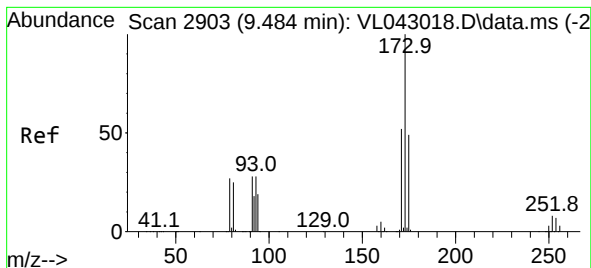


#48
 Dibromochloromethane
 Concen: 15.925 ppbv
 RT: 7.387 min Scan# 2255
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Tgt Ion: 129 Resp: 458578

Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.6	116.0





#49

Bromoform

Concen: 16.518 ppbv

RT: 9.484 min Scan# 2903

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

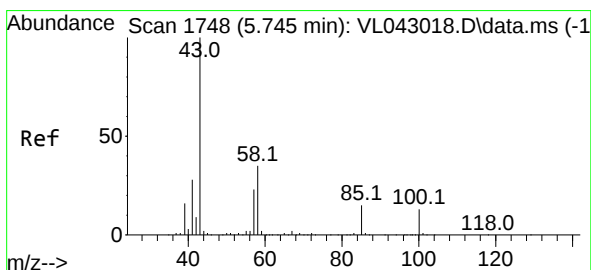
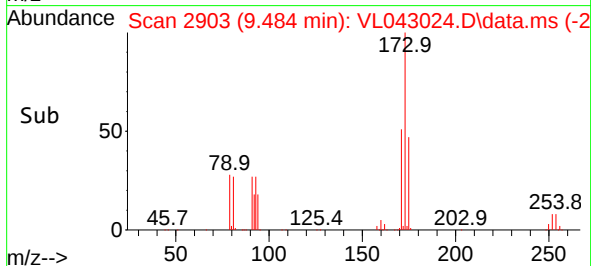
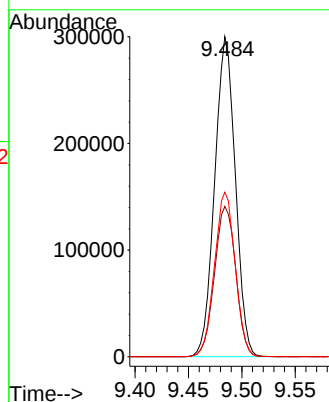
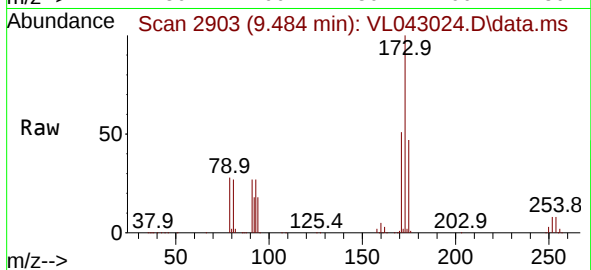
Tgt Ion:173 Resp: 403628

Ion Ratio Lower Upper

173 100

175 48.3 39.1 58.7

171 51.6 41.4 62.0



#50

4-Methyl-2-Pentanone

Concen: 16.352 ppbv

RT: 5.746 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VL043024.D

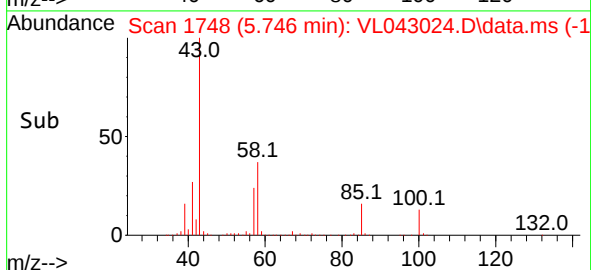
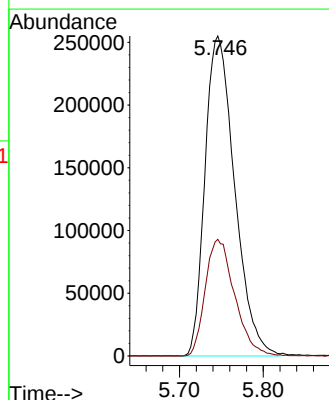
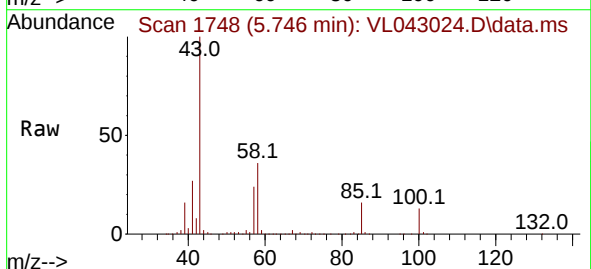
Acq: 30 Sep 2025 12:27

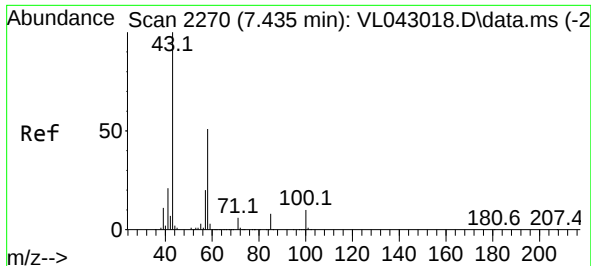
Tgt Ion: 43 Resp: 628731

Ion Ratio Lower Upper

43 100

58 36.1 29.4 44.2

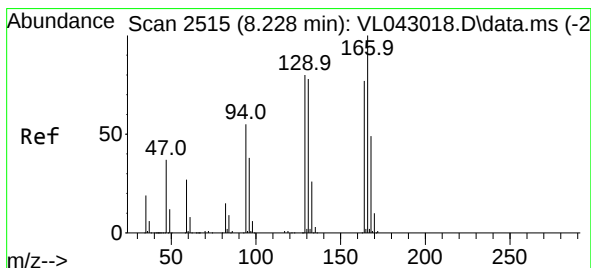
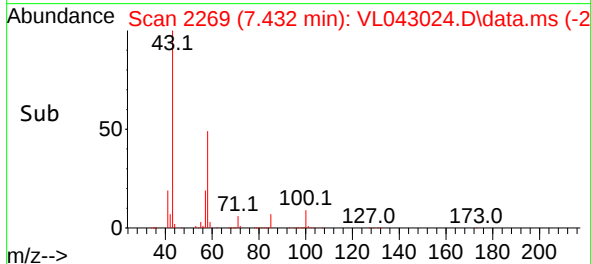
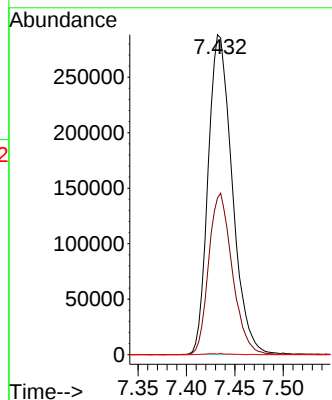
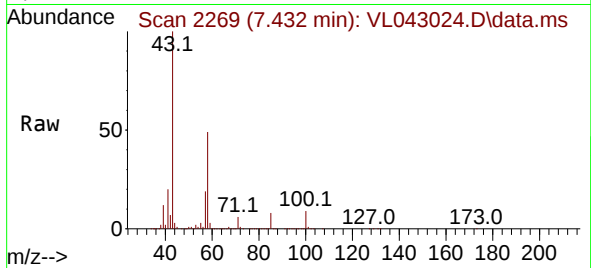




#51
2-Hexanone
Concen: 17.635 ppbv
RT: 7.432 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

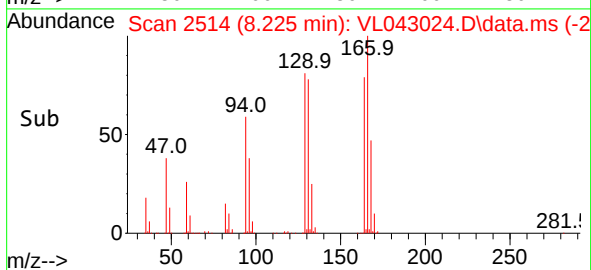
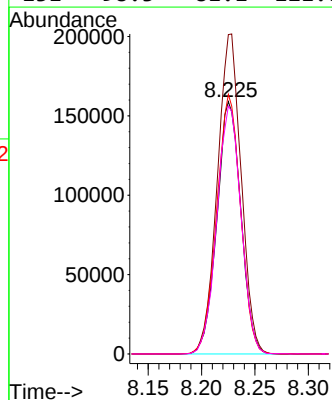
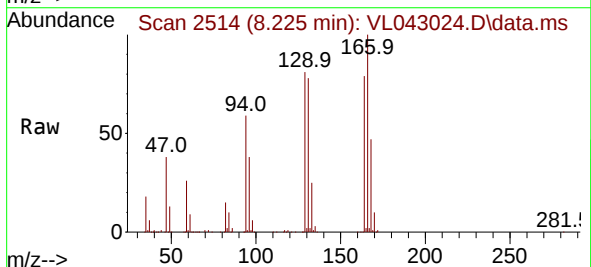
Instrument :
MSVOA_L
ClientSampleId :

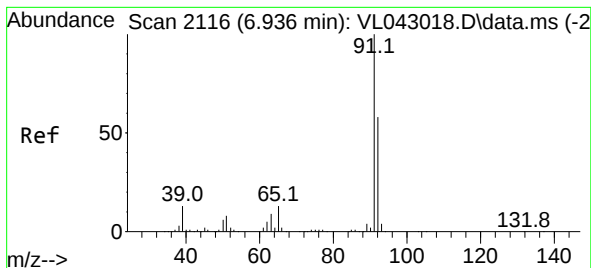
Tgt Ion: 43 Resp: 499672
Ion Ratio Lower Upper
43 100
58 49.5 39.7 59.5
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 14.476 ppbv
RT: 8.225 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion:164 Resp: 247490
Ion Ratio Lower Upper
164 100
166 126.5 103.5 155.3
129 102.8 82.6 124.0
131 98.3 81.1 121.7





#53

Toluene

Concen: 16.175 ppbv

RT: 6.934 min Scan# 2116

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

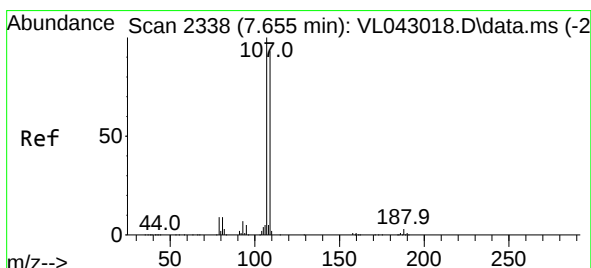
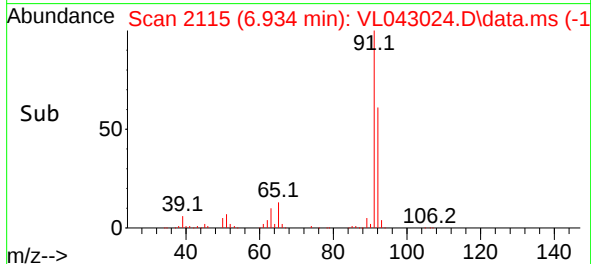
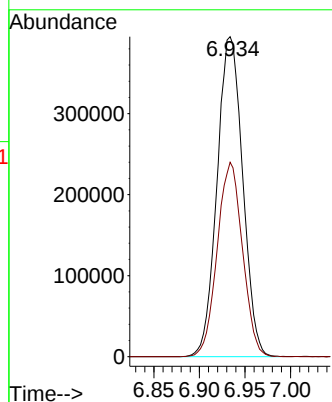
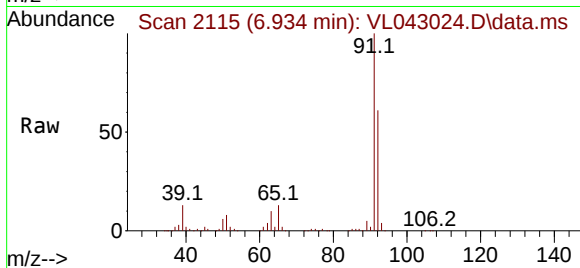
ClientSampleId :

Tgt Ion: 91 Resp: 773647

Ion Ratio Lower Upper

91 100

92 59.8 47.7 71.5



#54

1,2-Dibromoethane

Concen: 16.131 ppbv

RT: 7.652 min Scan# 2337

Delta R.T. -0.003 min

Lab File: VL043024.D

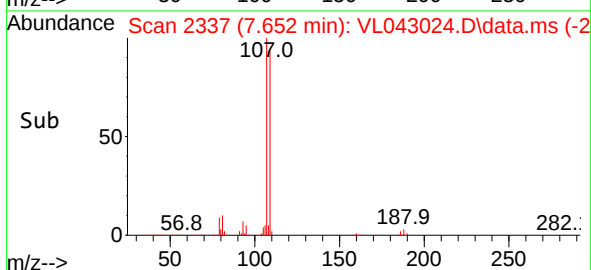
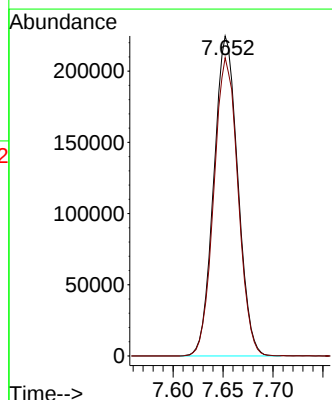
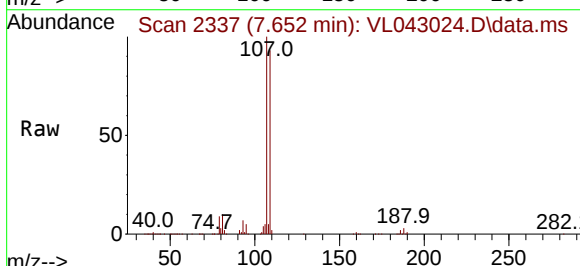
Acq: 30 Sep 2025 12:27

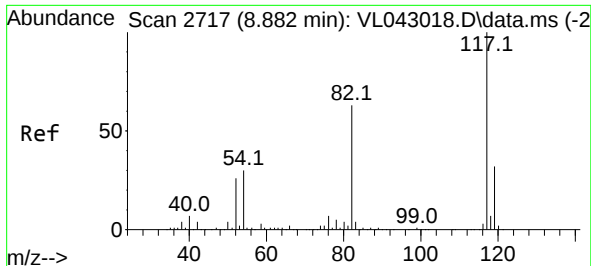
Tgt Ion: 107 Resp: 376048

Ion Ratio Lower Upper

107 100

109 93.2 74.6 111.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

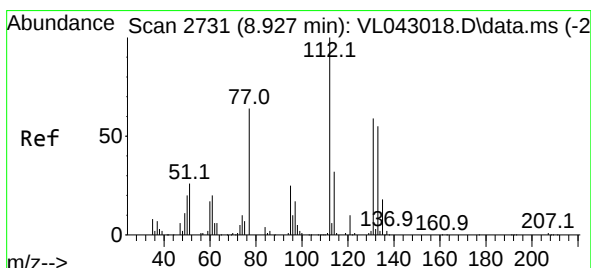
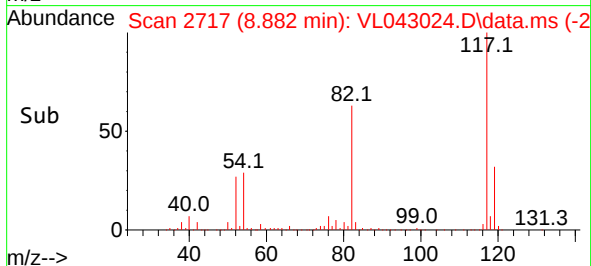
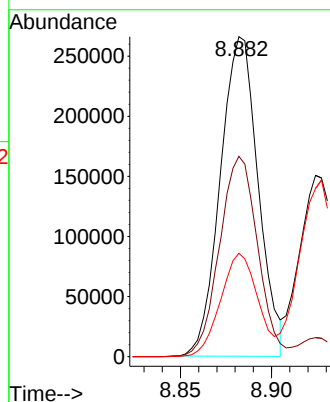
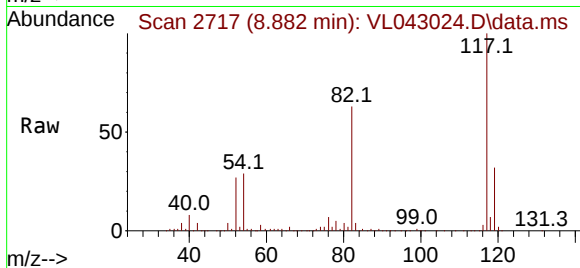
Tgt Ion:117 Resp: 384278

Ion Ratio Lower Upper

117 100

82 68.8 52.6 78.8

119 31.7 26.4 39.6



#56

1,1,1,2-Tetrachloroethane

Concen: 15.527 ppbv

RT: 8.924 min Scan# 2730

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

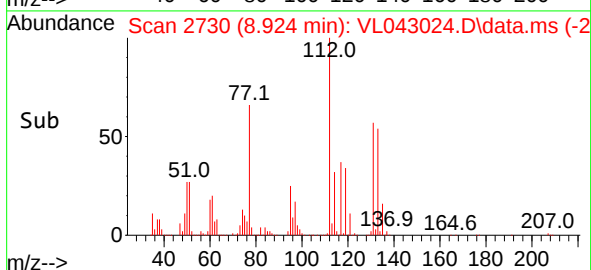
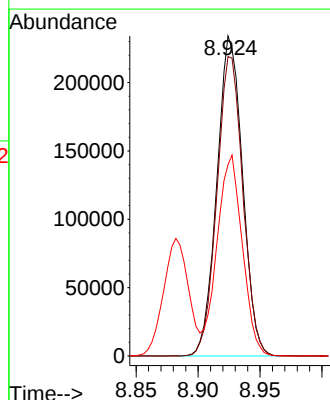
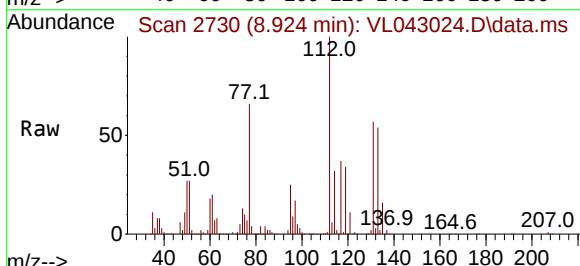
Tgt Ion:131 Resp: 338108

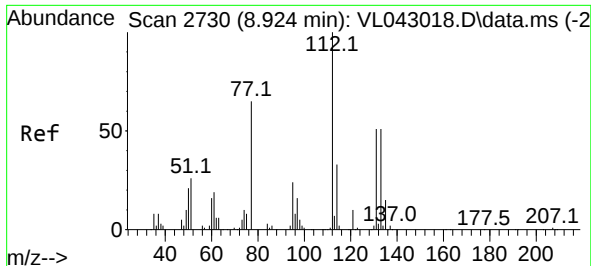
Ion Ratio Lower Upper

131 100

133 94.6 76.6 114.8

119 60.8 48.8 73.2

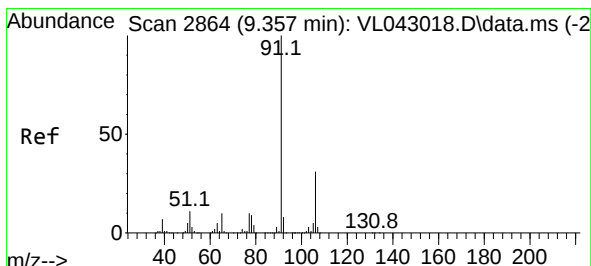
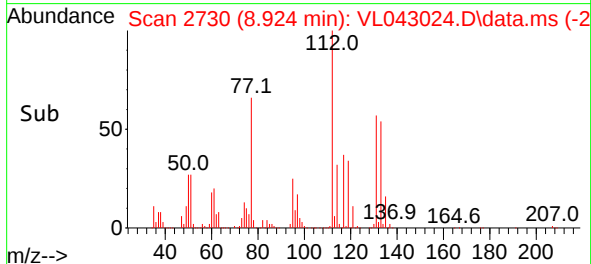
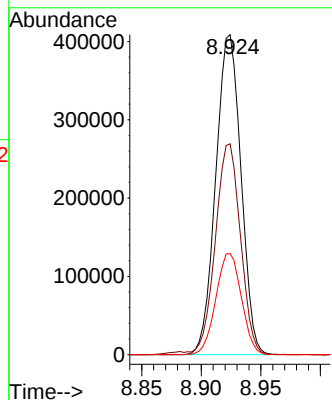
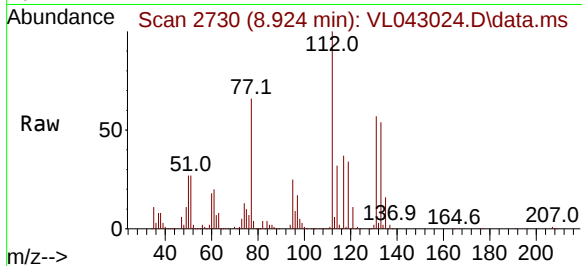




#57
Chlorobenzene
Concen: 15.191 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

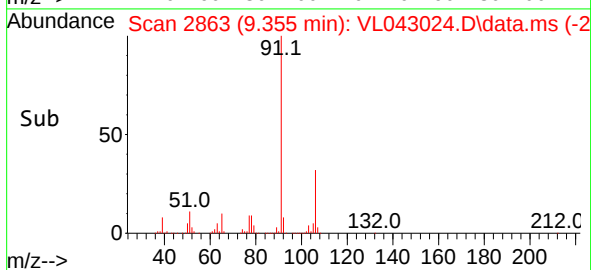
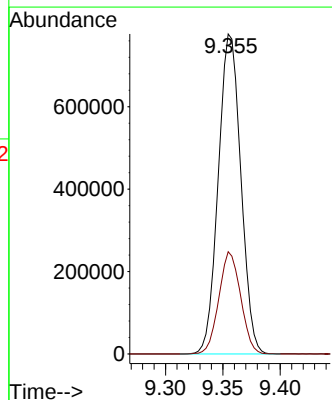
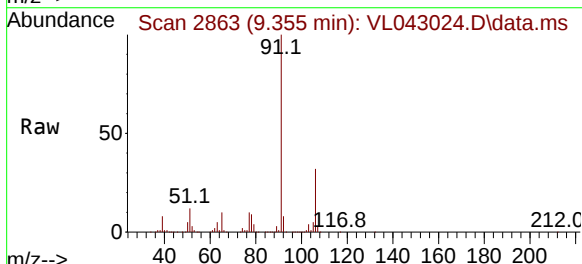
Instrument :
MSVOA_L
ClientSampleId :

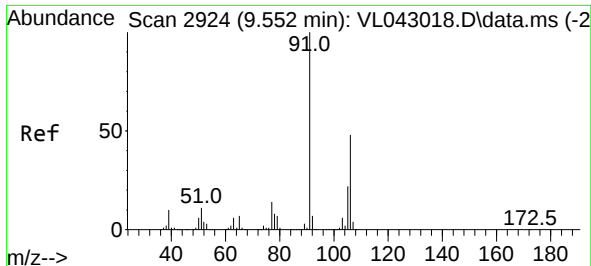
Tgt Ion:112 Resp: 601765
Ion Ratio Lower Upper
112 100
77 65.8 52.7 79.1
114 31.6 29.5 36.1



#58
Ethyl Benzene
Concen: 16.304 ppbv
RT: 9.355 min Scan# 2863
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 91 Resp: 1061987
Ion Ratio Lower Upper
91 100
106 31.9 24.8 37.2





#59

m/p-Xylene

Concen: 15.723 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

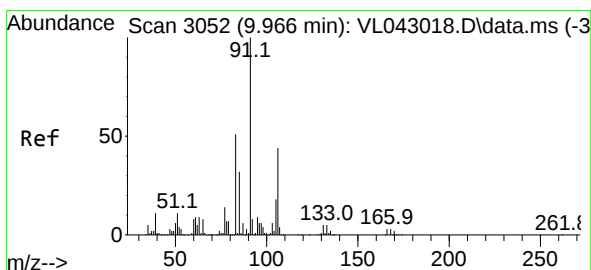
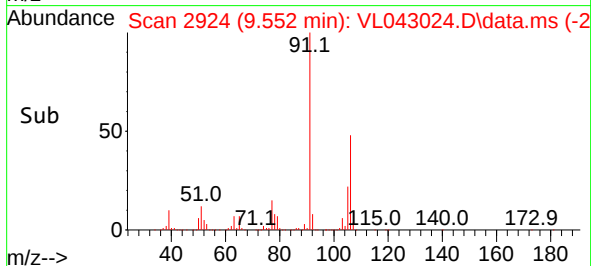
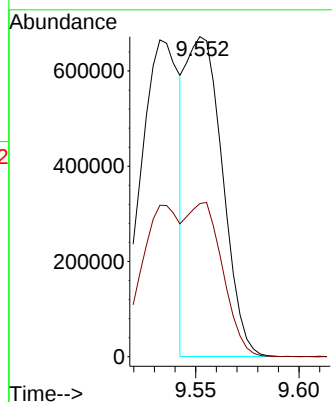
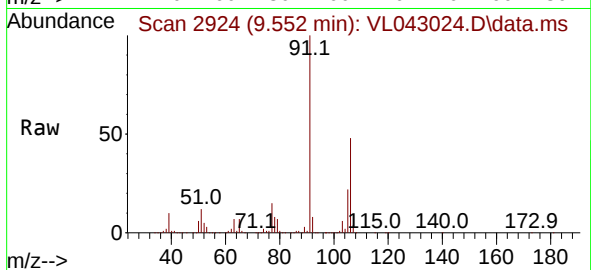
ClientSampleId :

Tgt Ion: 91 Resp: 824012

Ion Ratio Lower Upper

91 100

106 98.4 38.1 57.1#



#60

o-Xylene

Concen: 16.279 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.000 min

Lab File: VL043024.D

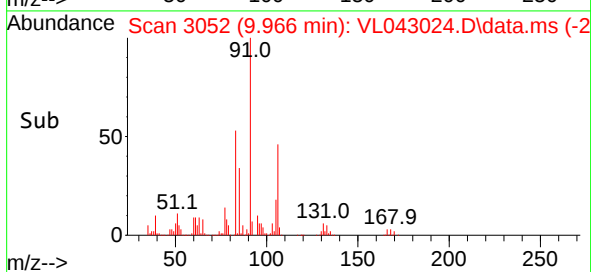
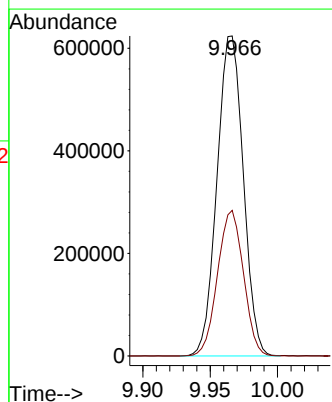
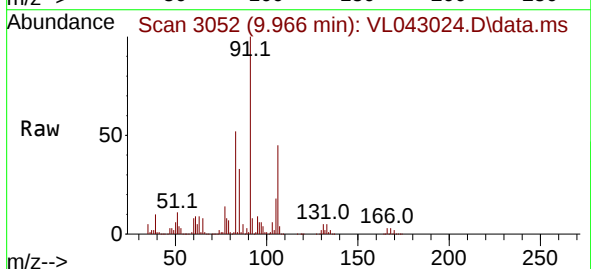
Acq: 30 Sep 2025 12:27

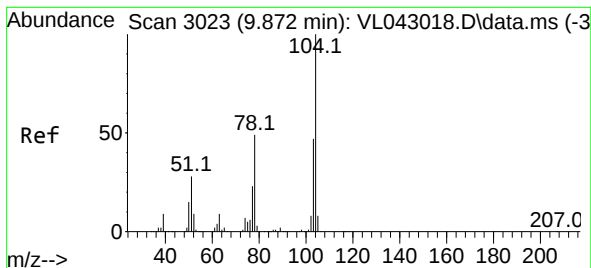
Tgt Ion: 91 Resp: 847939

Ion Ratio Lower Upper

91 100

106 44.8 22.2 66.6





#61

Styrene

Concen: 17.520 ppbv

RT: 9.872 min Scan# 3023

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

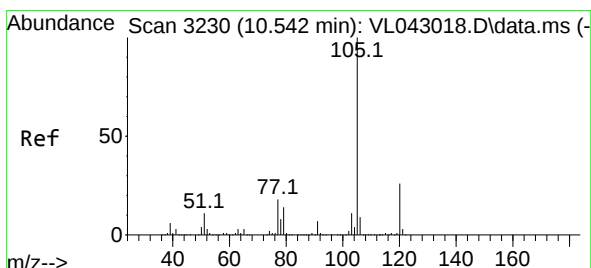
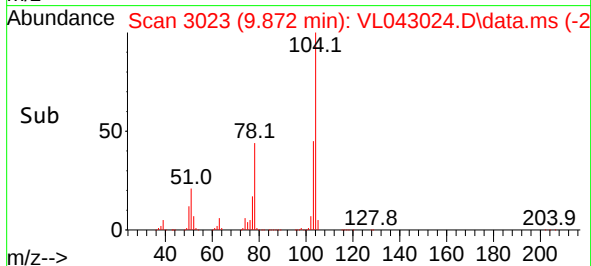
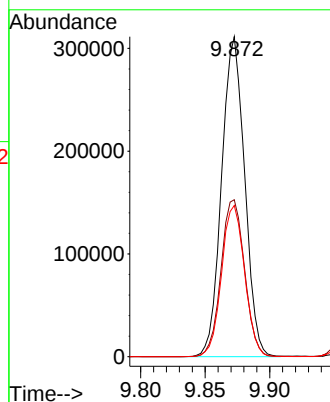
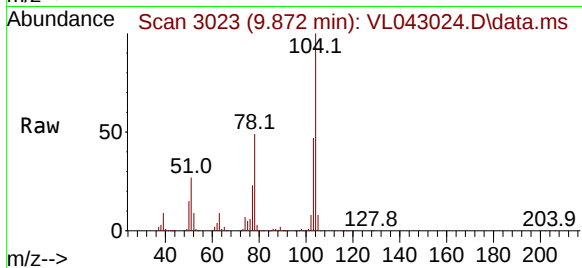
Tgt Ion:104 Resp: 386259

Ion Ratio Lower Upper

104 100

78 50.1 39.0 58.4

103 47.4 37.4 56.2



#62

Isopropylbenzene

Concen: 16.126 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. -0.003 min

Lab File: VL043024.D

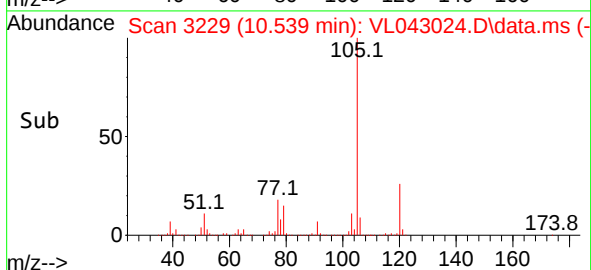
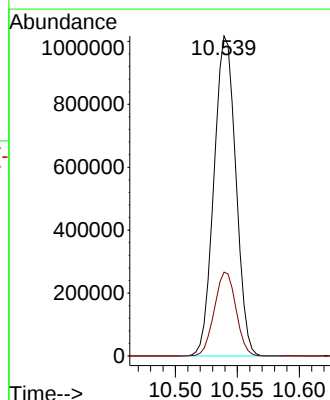
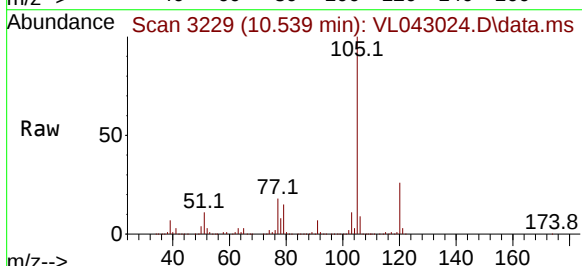
Acq: 30 Sep 2025 12:27

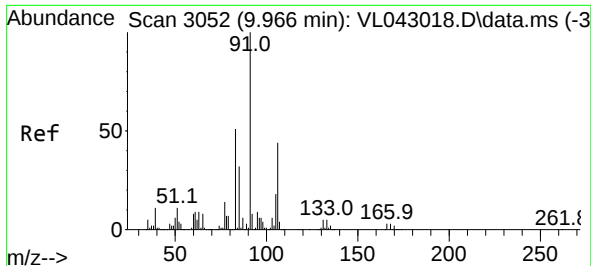
Tgt Ion:105 Resp: 1250709

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

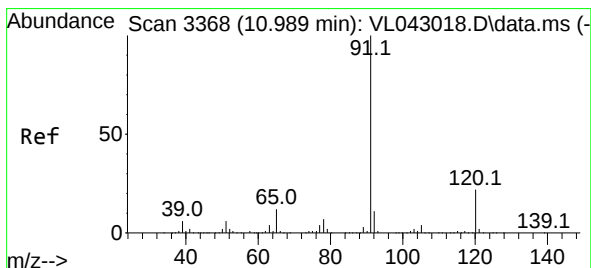
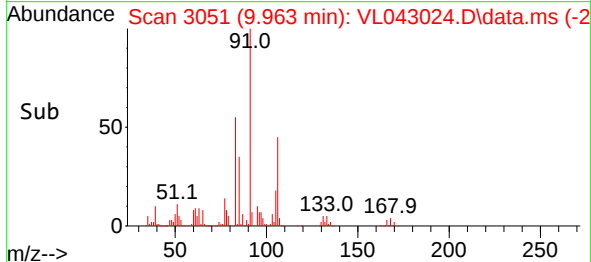
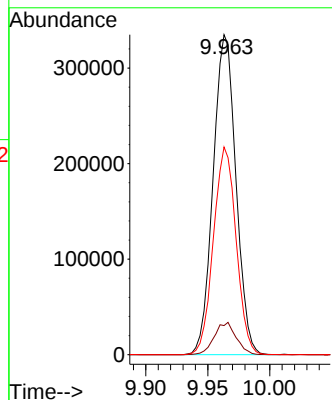
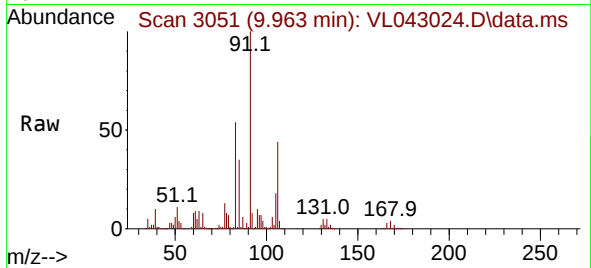




#63
1,1,2,2-Tetrachloroethane
Concen: 15.383 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

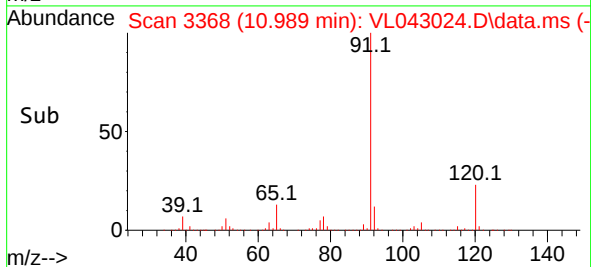
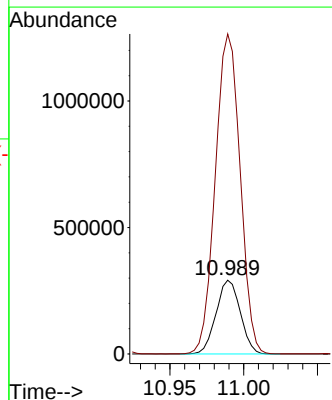
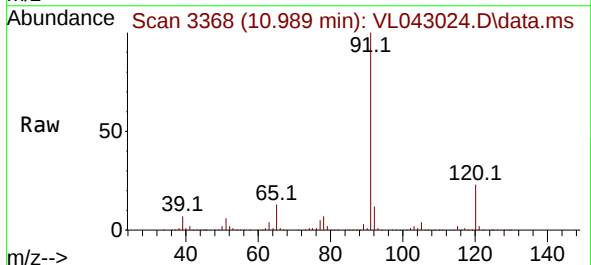
Instrument :
MSVOA_L
ClientSampleId :

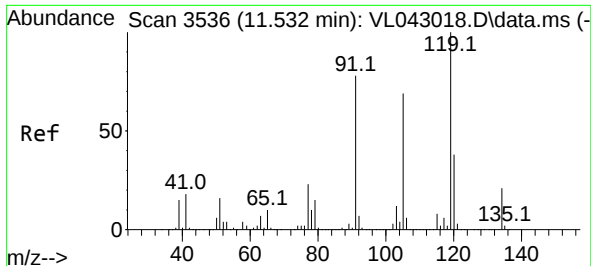
Tgt Ion: 83 Resp: 430060
Ion Ratio Lower Upper
83 100
131 9.7 5.0 14.9
85 64.5 32.2 96.6



#64
n-propylbenzene
Concen: 16.435 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 120 Resp: 332196
Ion Ratio Lower Upper
120 100
91 446.2 365.6 548.4

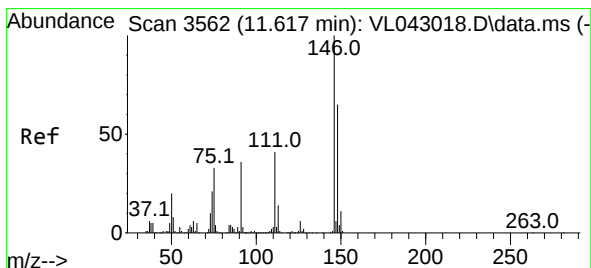
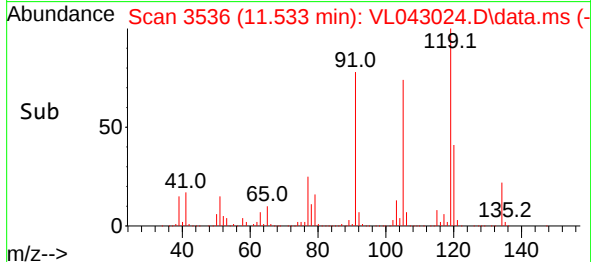
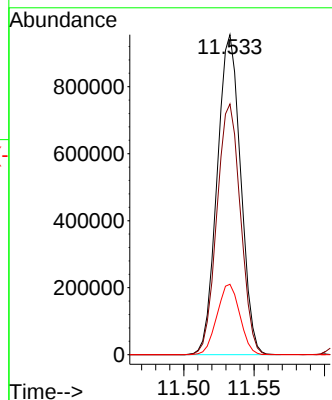
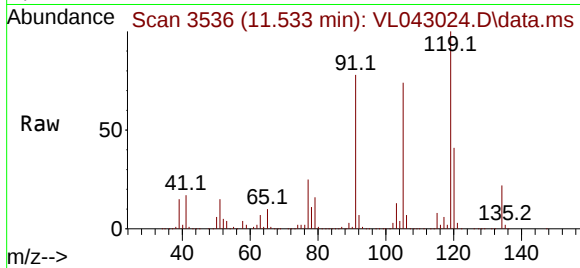




#65
tert-Butylbenzene
Concen: 15.830 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

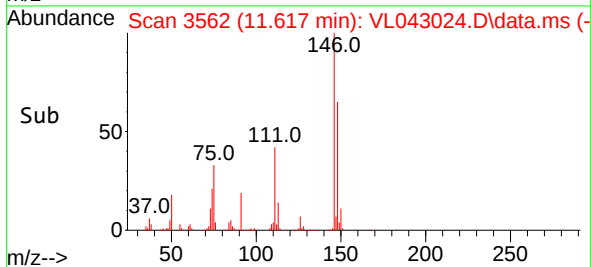
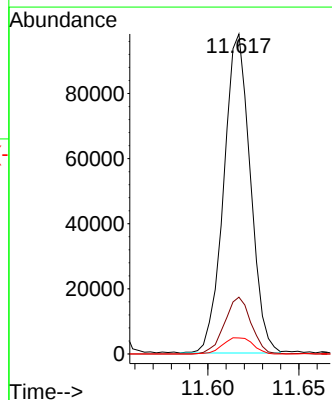
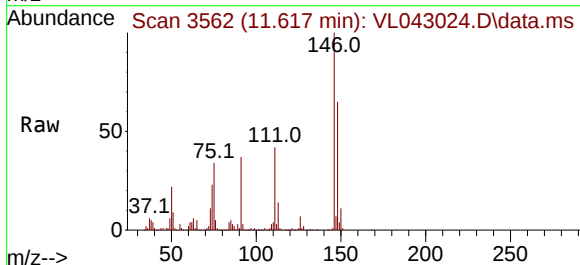
Instrument :
MSVOA_L
ClientSampleId :

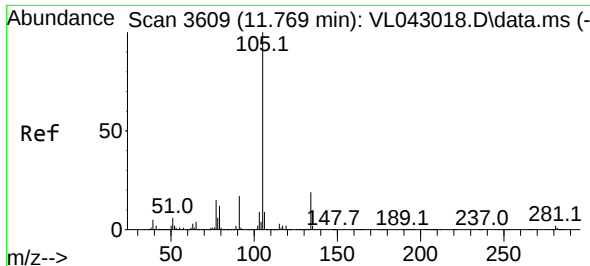
Tgt Ion:119 Resp: 1111713
Ion Ratio Lower Upper
119 100
91 78.7 62.6 93.8
134 21.4 16.7 25.1



#66
Benzyl Chloride
Concen: 17.735 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 91 Resp: 99365
Ion Ratio Lower Upper
91 100
126 17.8 14.1 21.1
128 5.8 4.9 7.3





#67

sec-Butylbenzene

Concen: 15.646 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

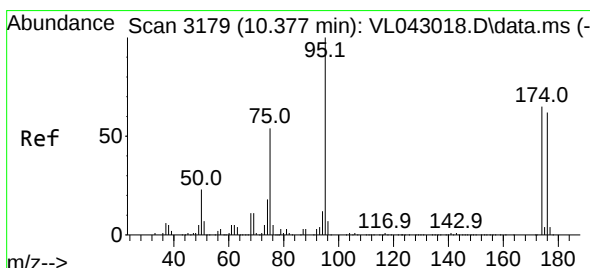
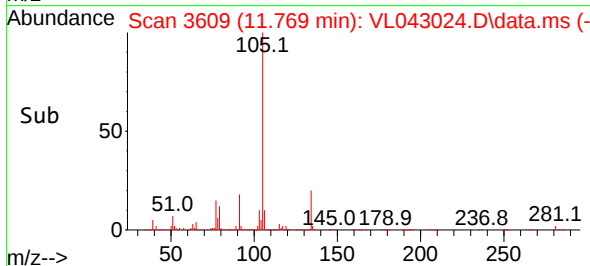
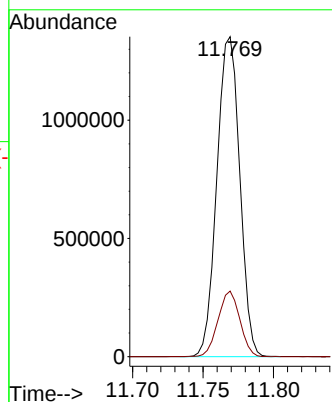
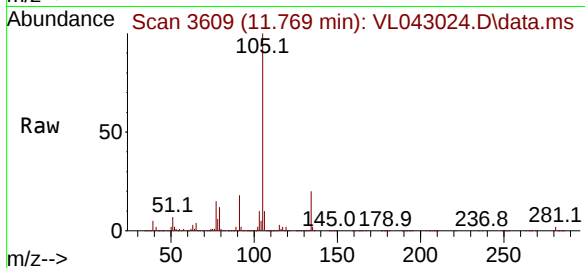
ClientSampleId :

Tgt Ion:105 Resp: 1532293

Ion Ratio Lower Upper

105 100

134 19.6 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.440 ppbv

RT: 10.377 min Scan# 3179

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

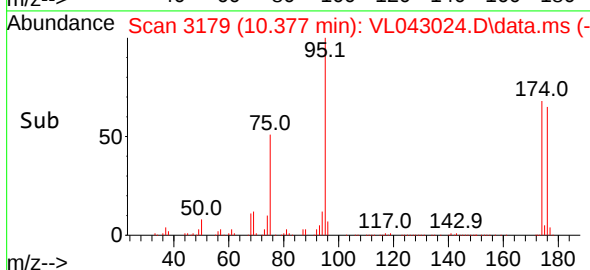
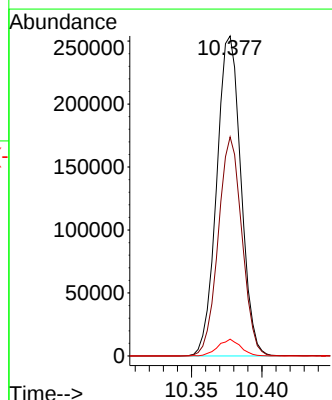
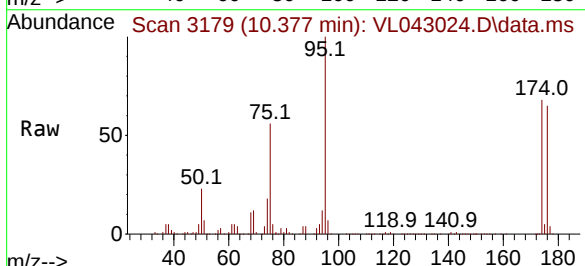
Tgt Ion: 95 Resp: 303909

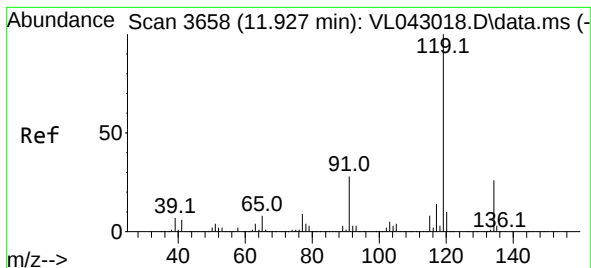
Ion Ratio Lower Upper

95 100

174 67.3 53.4 80.2

175 4.9 3.8 5.8

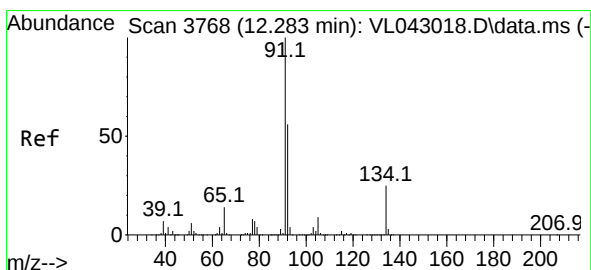
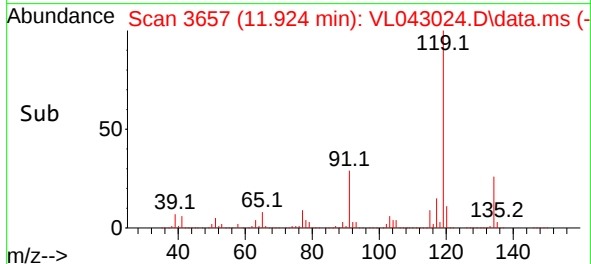
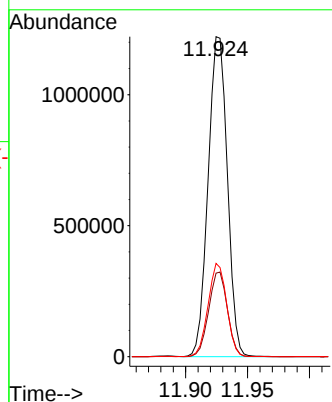
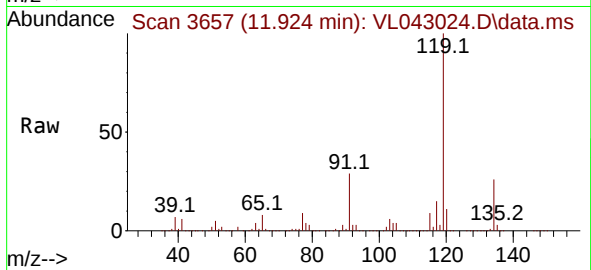




#69
p-Isopropyltoluene
Concen: 16.184 ppbv
RT: 11.924 min Scan# 3657
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

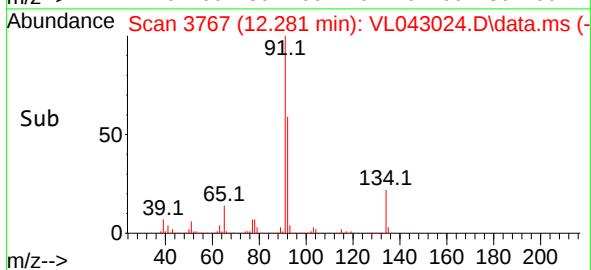
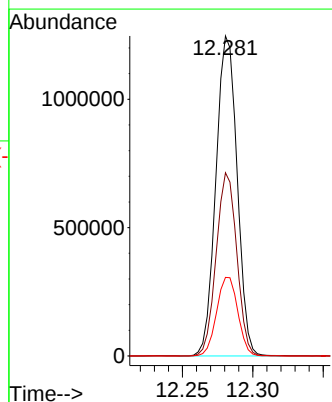
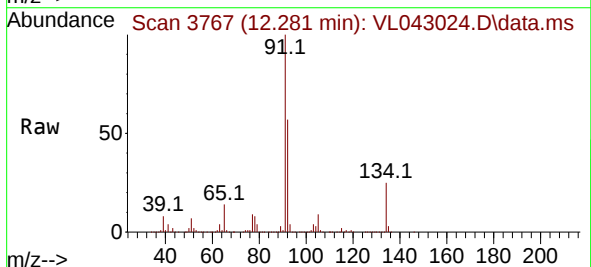
Instrument :
MSVOA_L
ClientSampleId :

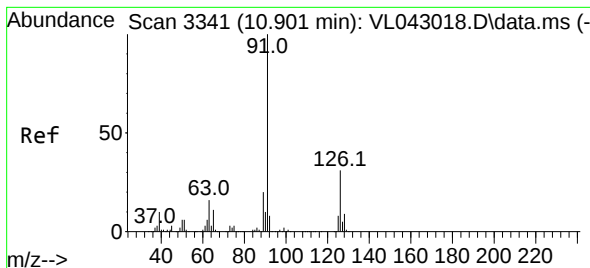
Tgt Ion:119 Resp: 1320006
Ion Ratio Lower Upper
119 100
134 25.9 20.3 30.5
91 28.2 22.1 33.1



#70
n-Butylbenzene
Concen: 16.594 ppbv
RT: 12.281 min Scan# 3767
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion: 91 Resp: 1307688
Ion Ratio Lower Upper
91 100
92 55.7 44.2 66.4
134 24.6 19.5 29.3

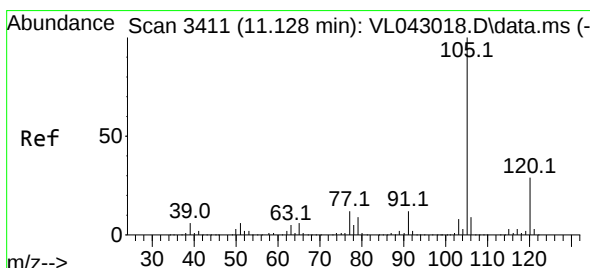
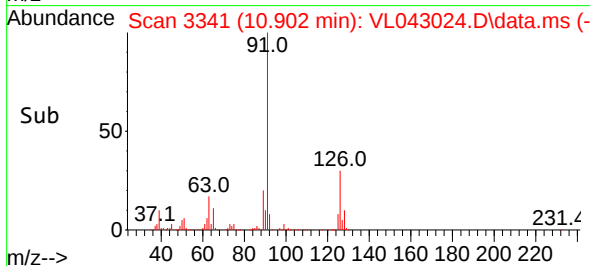
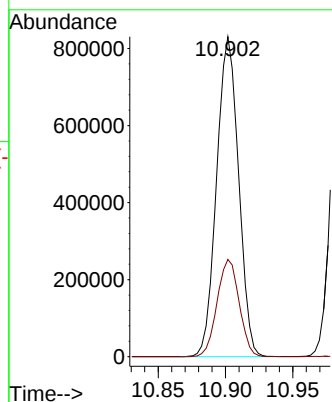
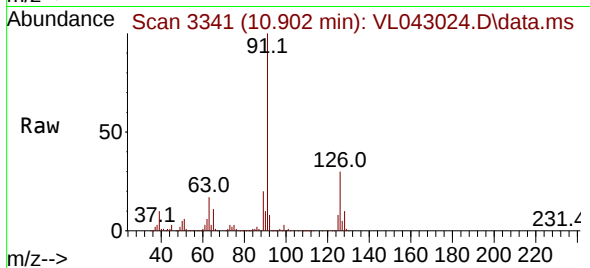




#71
2-Chlorotoluene
Concen: 16.281 ppbv
RT: 10.902 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

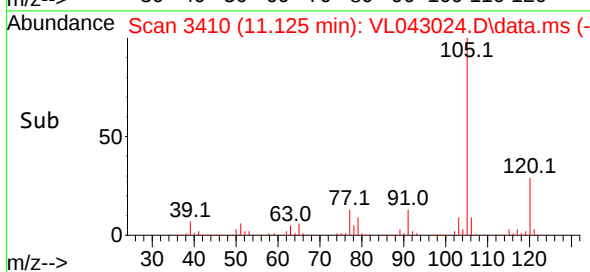
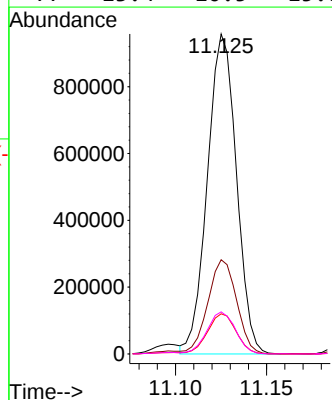
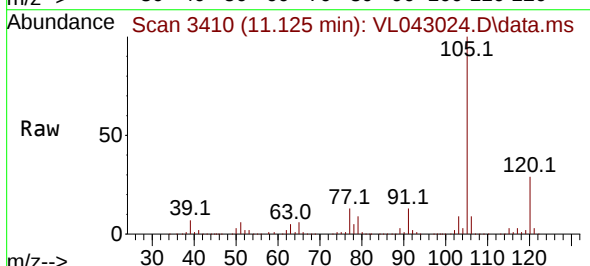
Instrument :
MSVOA_L
ClientSampleId :

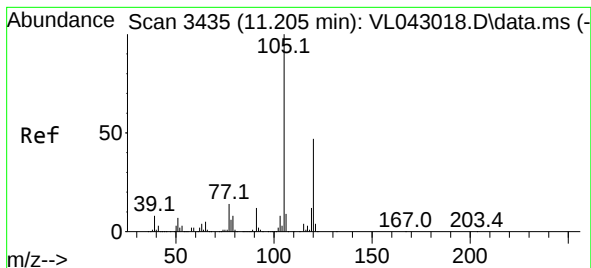
Tgt Ion: 91 Resp: 941774
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.3



#72
4-Ethyltoluene
Concen: 16.540 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

Tgt Ion:105 Resp: 1059857
Ion Ratio Lower Upper
105 100
120 30.1 23.6 35.4
91 12.9 10.0 15.0
77 13.4 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 16.359 ppbv

RT: 11.203 min Scan# 3435

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_1

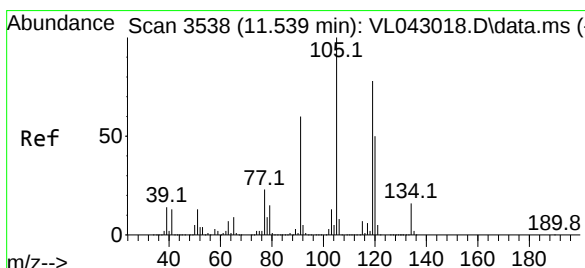
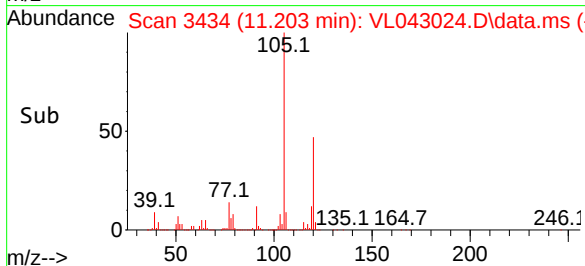
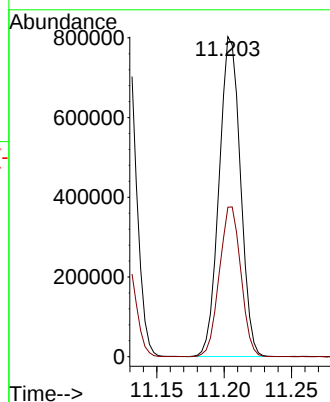
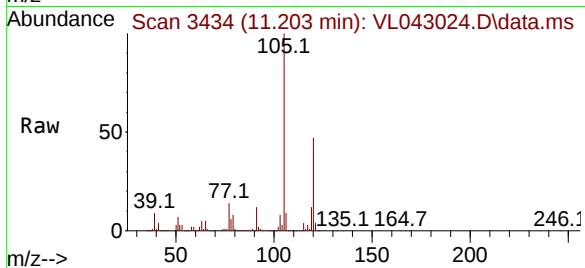
ClientSampleId :

Tgt Ion:105 Resp: 883857

Ion Ratio Lower Upper

105 100

120 46.7 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 15.810 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Tgt Ion:105 Resp: 964228

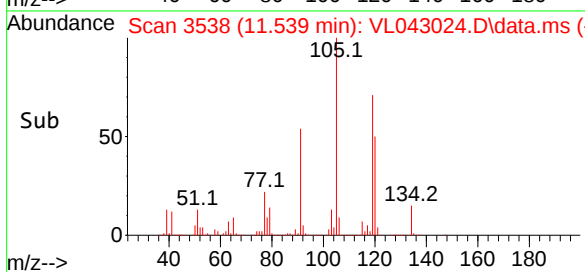
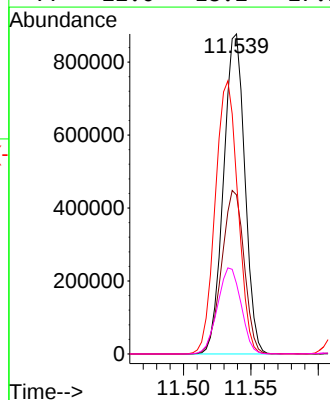
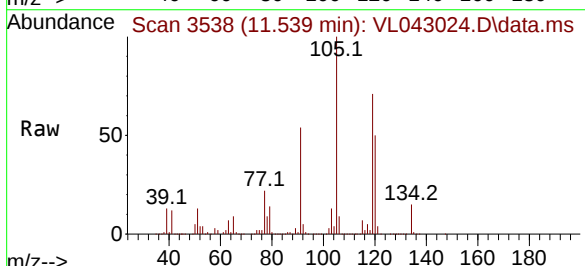
Ion Ratio Lower Upper

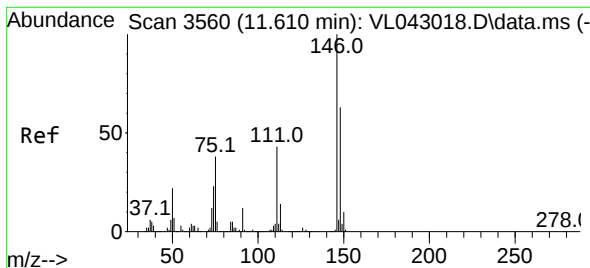
105 100

120 49.7 40.3 60.5

91 54.2 47.7 71.5

77 22.0 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 15.636 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

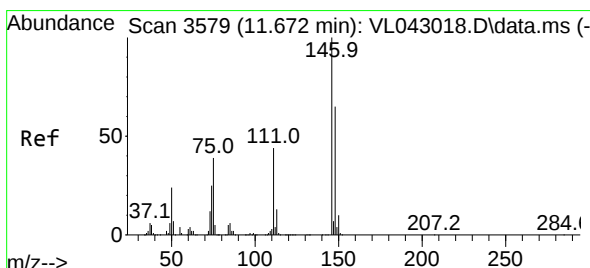
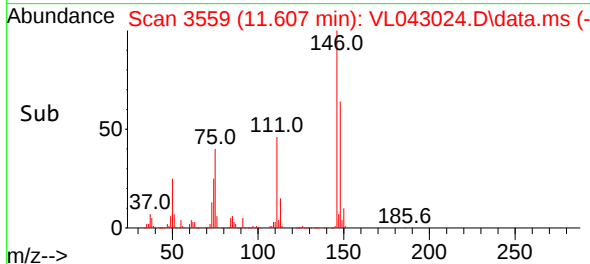
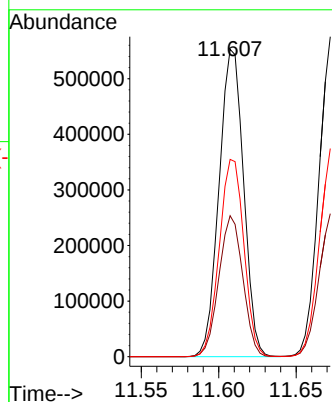
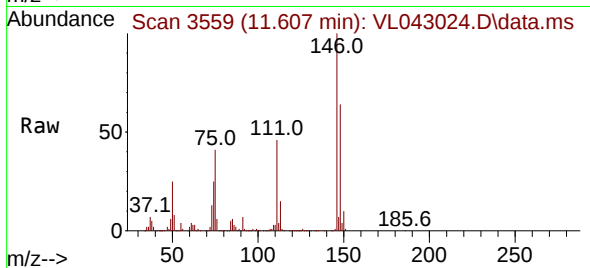
Tgt Ion:146 Resp: 609147

Ion Ratio Lower Upper

146 100

111 44.7 22.0 66.0

148 64.3 31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 16.004 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

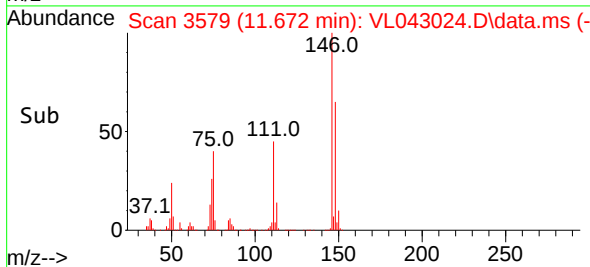
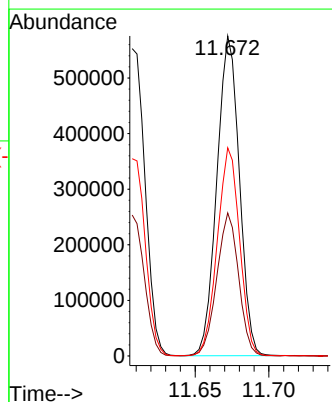
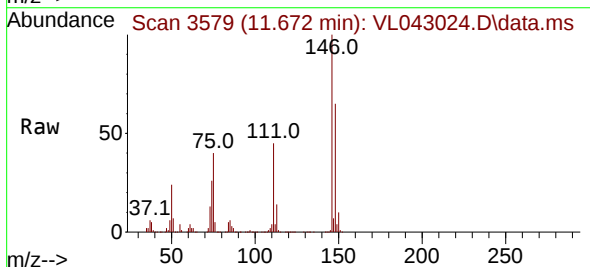
Tgt Ion:146 Resp: 609332

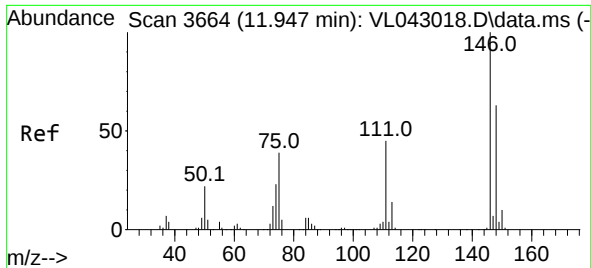
Ion Ratio Lower Upper

146 100

111 43.6 21.9 65.5

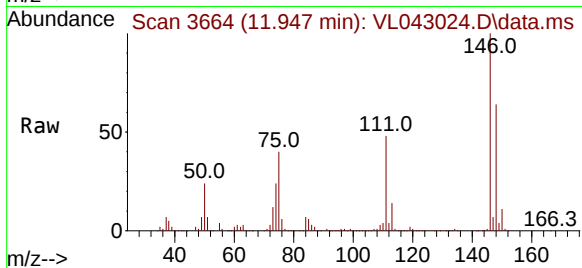
148 64.8 32.4 97.2



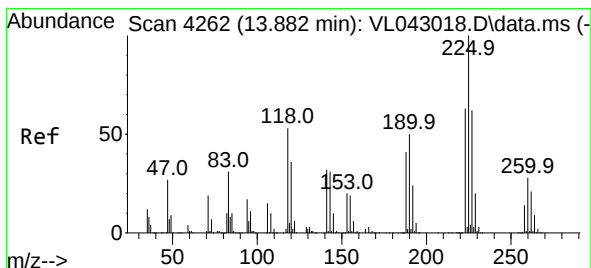
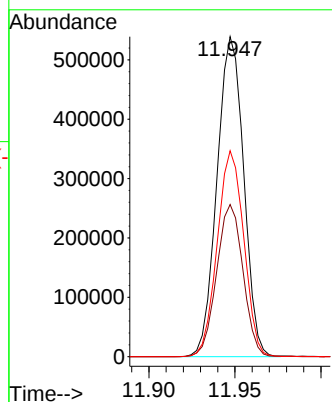
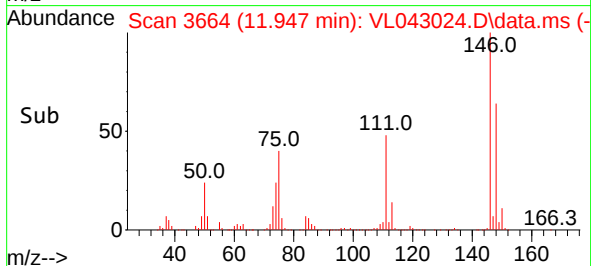


#77
1,2-Dichlorobenzene
Concen: 15.307 ppbv
RT: 11.947 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27

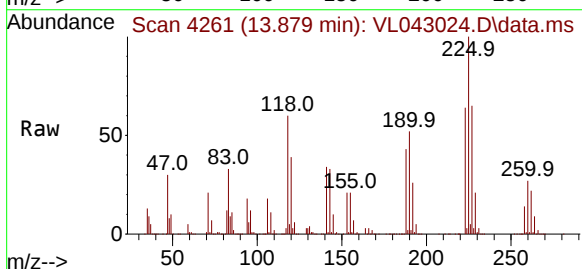
Instrument :
MSVOA_L
ClientSampleId :



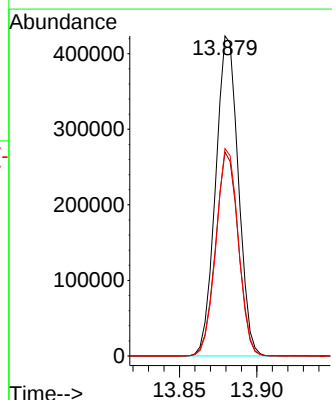
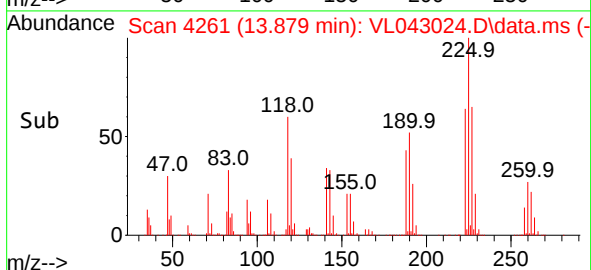
Tgt Ion:146 Resp: 582329
Ion Ratio Lower Upper
146 100
111 46.9 22.9 68.5
148 63.9 31.8 95.4

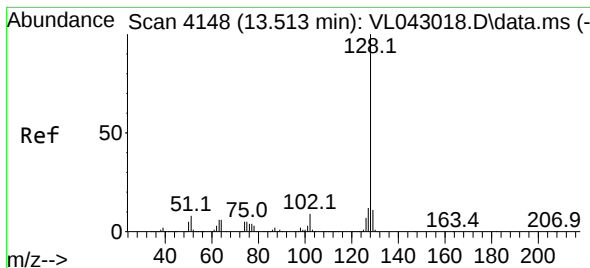


#78
Hexachloro-1,3-Butadiene
Concen: 14.155 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL043024.D
Acq: 30 Sep 2025 12:27



Tgt Ion:225 Resp: 430692
Ion Ratio Lower Upper
225 100
223 63.6 50.9 76.3
227 64.2 50.3 75.5





#79

Naphthalene

Concen: 19.367 ppbv

RT: 13.514 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

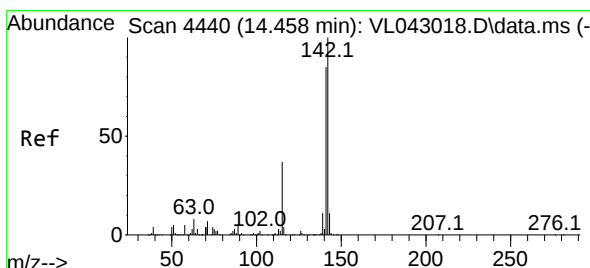
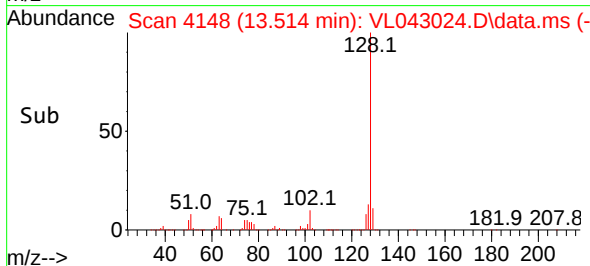
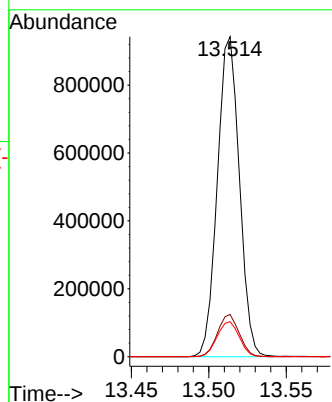
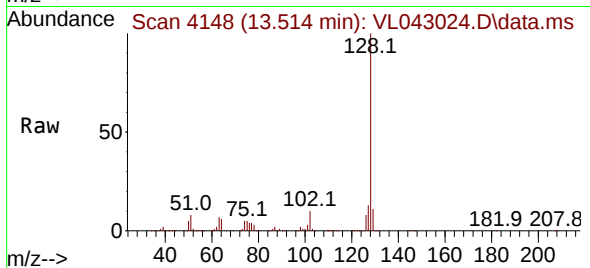
Tgt Ion:128 Resp: 931872

Ion Ratio Lower Upper

128 100

127 13.2 9.9 14.9

129 11.0 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 20.627 ppbv

RT: 14.456 min Scan# 4439

Delta R.T. -0.003 min

Lab File: VL043024.D

Acq: 30 Sep 2025 12:27

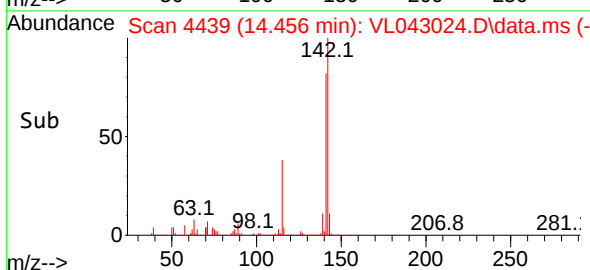
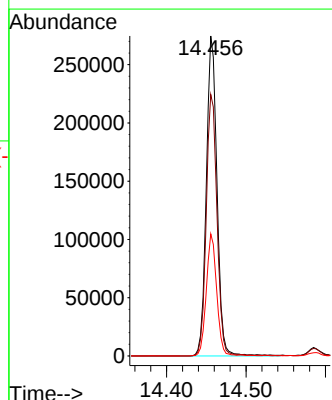
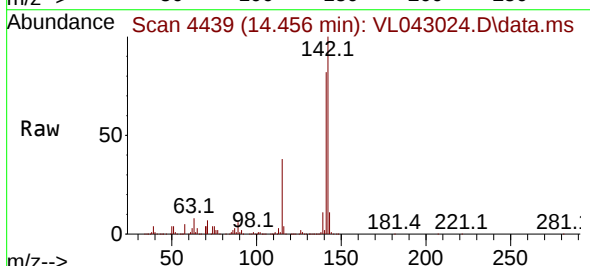
Tgt Ion:142 Resp: 256778

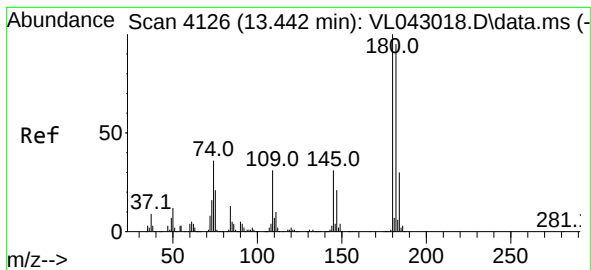
Ion Ratio Lower Upper

142 100

141 83.2 67.0 100.4

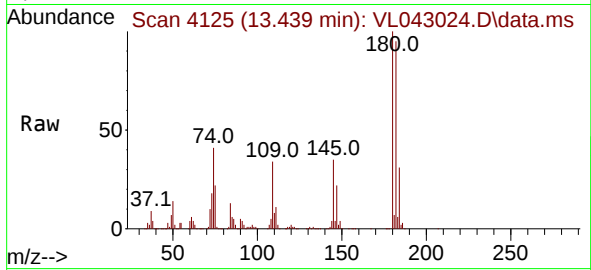
115 37.7 29.8 44.6





#81
 1,2,4-Trichlorobenzene
 Concen: 17.343 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043024.D
 Acq: 30 Sep 2025 12:27

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 506037
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.8 113.8
 184 30.5 24.2 36.4

