

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042117.D
 Acq On : 10 Mar 2025 10:52
 Operator : SY/MD
 Sample : VL0310ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Quant Time: Mar 11 01:21:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	168824	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	400351	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	350466	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	286905	10.641	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	178551	10.171	ppbv	97
3) Chlorodifluoromethane	1.479	51	214564	8.745	ppbv	98
4) Chloromethane	1.538	50	65373	10.070	ppbv	96
5) Vinyl Chloride	1.583	62	63789	10.387	ppbv	98
6) Bromomethane	1.670	94	30397	10.395	ppbv	97
7) Chloroethane	1.709	64	25907	10.383	ppbv	90
8) Dichlorotetrafluoroethane	1.557	85	147392	10.213	ppbv	99
9) Propene	1.486	41	84908	8.494	ppbv	98
10) Heptane	5.001	43	253371	8.141	ppbv	100
11) Trichlorofluoromethane	1.884	101	188256	10.702	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	134259	9.568	ppbv	95
13) Ethanol	1.729	45	3976	6.266	ppbv	93
14) Bromoethene	1.787	108	50688	10.230	ppbv	100
15) Acetone	1.842	43	145391	9.752	ppbv	99
16) 1,3-Butadiene	1.612	39	70201	10.118	ppbv	98
17) tert-Butyl alcohol	2.046	59	159331	8.542	ppbv	99
18) 1,1-Dichloroethene	2.039	96	59693	9.415	ppbv	100
19) Isopropyl Alcohol	1.890	45	79215	9.250	ppbv	93
20) Methylene Chloride	2.068	84	55851	9.904	ppbv	98
21) Allyl Chloride	2.104	41	103366	9.596	ppbv	96
22) trans-1,2-Dichloroethene	2.347	96	73354	9.925	ppbv	95
23) Vinyl Acetate	2.470	43	75186	7.172	ppbv #	97
24) 1,1-Dichloroethane	2.415	63	138556	10.075	ppbv	99
25) Ethyl Acetate	2.845	43	511525	8.572	ppbv	100
26) Hexane	2.836	57	204595	8.480	ppbv	98
27) Carbon Disulfide	2.156	76	158957	9.720	ppbv	98
28) Methyl tert-Butyl Ether	2.450	73	102132	8.503	ppbv	99
29) Chloroform	2.858	83	277421	8.544	ppbv	98
30) Cyclohexane	3.871	84	152583	7.792	ppbv	94
31) cis-1,2-Dichloroethene	2.732	61	179418	7.856	ppbv	98
32) 1,1,1-Trichloroethane	3.379	97	249329	7.916	ppbv	95
34) 2-Butanone	2.567	43	284384	9.118	ppbv	97
35) Carbon Tetrachloride	3.777	117	262027	9.491	ppbv	95
36) Benzene	3.671	78	374551	8.937	ppbv	96
37) 1,2-Dichloroethane	3.230	62	201838	8.686	ppbv	100
38) Trichloroethene	4.564	130	143616	8.392	ppbv	98
39) 1,2-Dichloropropane	4.331	63	141729	8.909	ppbv	99
40) 1,4-Dioxane	4.603	88	60426	8.321	ppbv #	88
41) Tetrahydrofuran	3.069	42	160858	8.728	ppbv	97
42) Bromodichloromethane	4.509	83	283730	9.063	ppbv	95
43) Methyl Methacrylate	4.900	69	137403	8.395	ppbv	97
44) 2,2,4-Trimethylpentane	4.661	57	675434	9.131	ppbv	99
45) t-1,3-Dichloropropene	6.438	75	123548	7.598	ppbv	94

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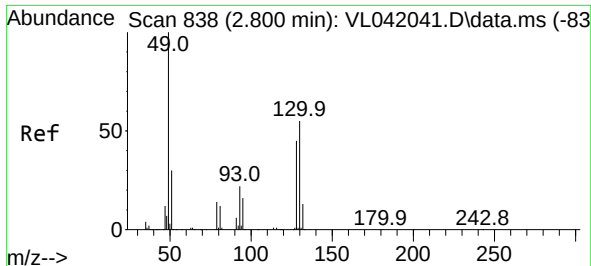
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	169656	8.063	ppbv	98
47) 1,1,2-Trichloroethane	6.603	97	144144	8.925	ppbv	95
48) Dibromochloromethane	7.402	129	226388	8.951	ppbv	99
49) Bromoform	9.496	173	201809	9.188	ppbv	98
50) 4-Methyl-2-Pentanone	5.781	43	387370	9.603	ppbv	97
51) 2-Hexanone	7.454	43	305577	11.007	ppbv #	97
52) Tetrachloroethene	8.241	164	120494	8.398	ppbv	92
53) Toluene	6.952	91	396095	8.456	ppbv	97
54) 1,2-Dibromoethane	7.671	107	190659	8.732	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.940	131	183026	9.240	ppbv	100
57) Chlorobenzene	8.937	112	336406	9.258	ppbv	95
58) Ethyl Benzene	9.370	91	554446	8.590	ppbv	98
59) m/p-Xylene	9.564	91	925654m	18.022	ppbv	
60) o-Xylene	9.976	91	467382	9.052	ppbv	98
61) Styrene	9.885	104	205606	8.469	ppbv	97
62) Isopropylbenzene	10.552	105	692094	8.950	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.976	83	323193	9.504	ppbv	100
64) n-propylbenzene	11.002	120	184209	9.081	ppbv	99
65) tert-Butylbenzene	11.542	119	620355	8.814	ppbv	99
66) Benzyl Chloride	11.626	91	38948	7.252	ppbv	99
67) sec-Butylbenzene	11.778	105	900003	8.942	ppbv	99
69) p-Isopropyltoluene	11.937	119	732332	9.145	ppbv	99
70) n-Butylbenzene	12.293	91	752707	9.208	ppbv	99
71) 2-Chlorotoluene	10.914	91	514130	8.624	ppbv	99
72) 4-Ethyltoluene	11.137	105	562308	8.919	ppbv	100
73) 1,3,5-Trimethylbenzene	11.215	105	480973	8.795	ppbv	100
74) 1,2,4-Trimethylbenzene	11.549	105	538676	8.747	ppbv	99
75) 1,3-Dichlorobenzene	11.620	146	318968	9.000	ppbv	99
76) 1,4-Dichlorobenzene	11.684	146	315833	8.976	ppbv	99
77) 1,2-Dichlorobenzene	11.960	146	319838	9.299	ppbv	99
78) Hexachloro-1,3-Butadiene	13.892	225	219090	8.187	ppbv	99
79) Naphthalene	13.523	128	472554	11.191	ppbv	100
80) Naphthalene,2-methyl-	14.468	142	153727	13.304	ppbv	97
81) 1,2,4-Trichlorobenzene	13.452	180	210585	8.949	ppbv	99

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

Quant Time: Mar 11 01:21:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
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QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration

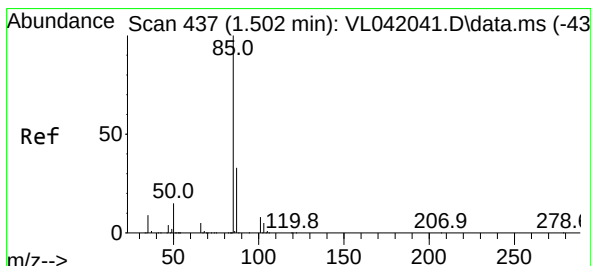
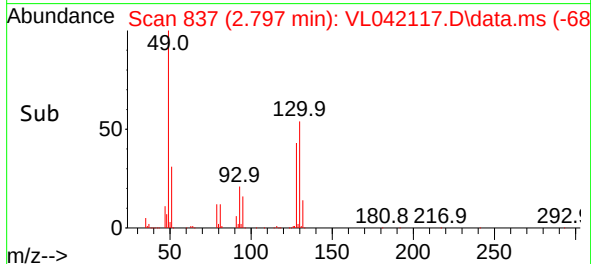
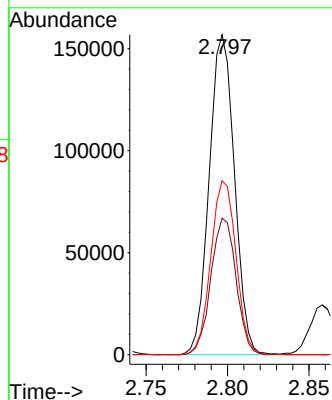
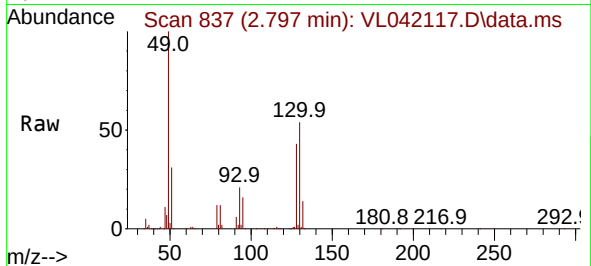




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.797 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

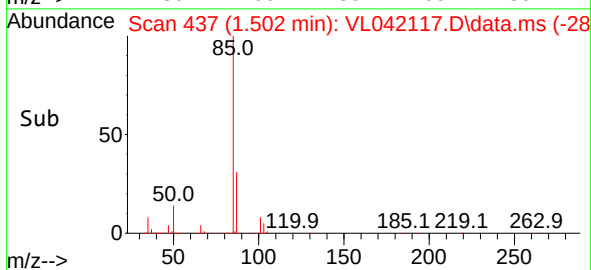
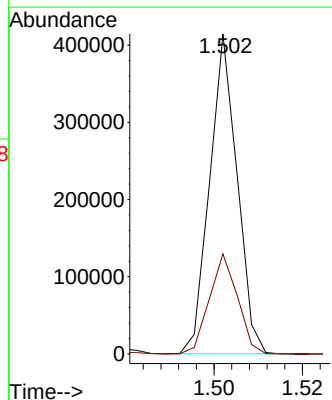
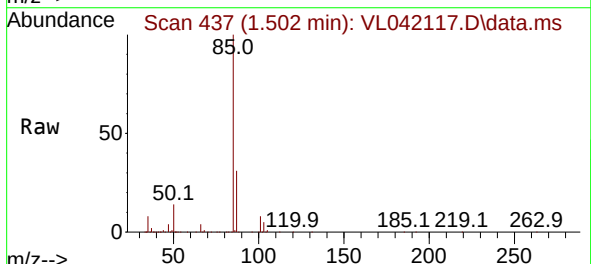
Instrument :
 MSVOA_L
 ClientSampleId :
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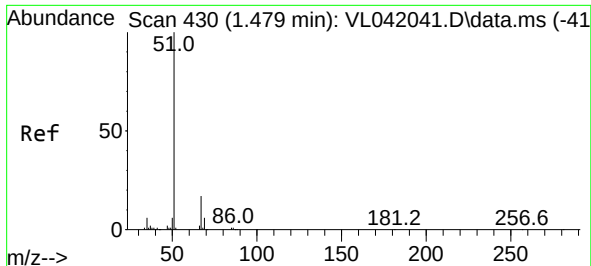
Tgt Ion: 49 Resp: 168824
 Ion Ratio Lower Upper
 49 100
 128 42.6 21.6 64.8
 130 54.3 27.8 83.4



#2
 Dichlorodifluoromethane
 Concen: 10.171 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. -0.000 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Tgt Ion: 85 Resp: 178551
 Ion Ratio Lower Upper
 85 100
 87 31.3 26.4 39.6

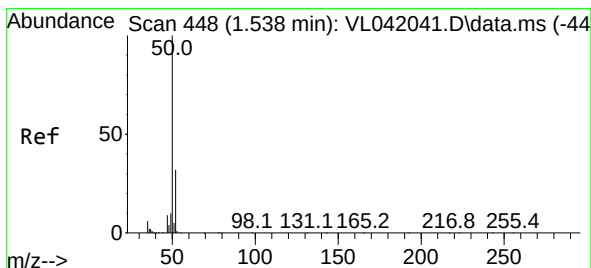
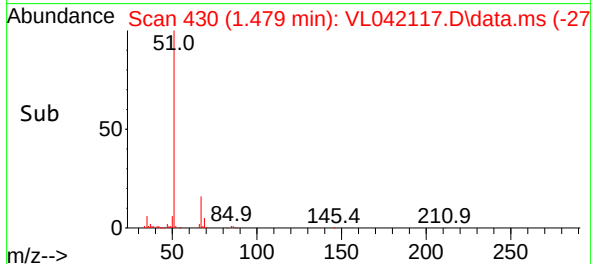
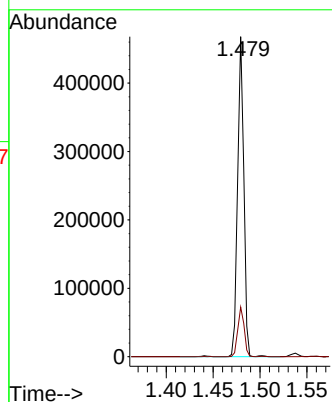
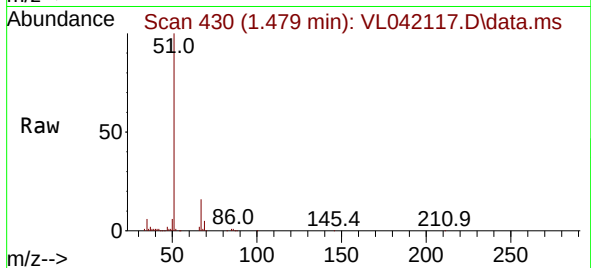




#3
Chlorodifluoromethane
Concen: 8.745 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

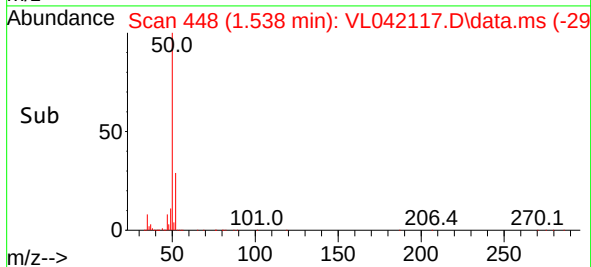
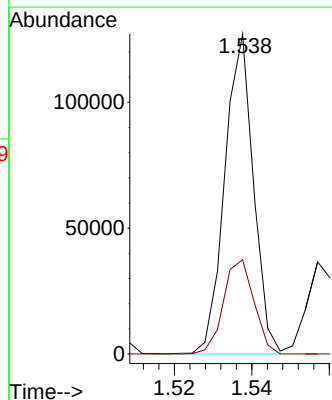
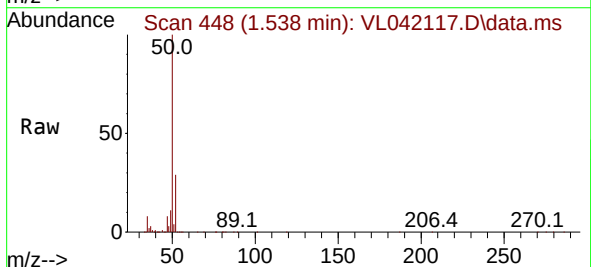
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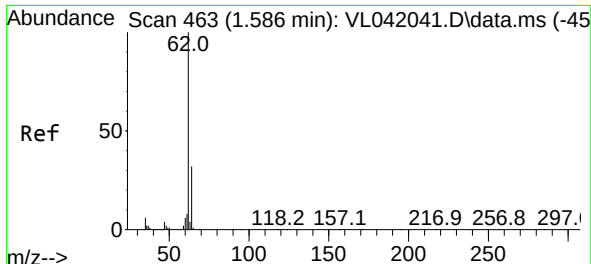
Tgt Ion: 51 Resp: 214564
Ion Ratio Lower Upper
51 100
67 16.2 13.7 20.5



#4
Chloromethane
Concen: 10.070 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 50 Resp: 65373
Ion Ratio Lower Upper
50 100
52 29.5 25.4 38.0

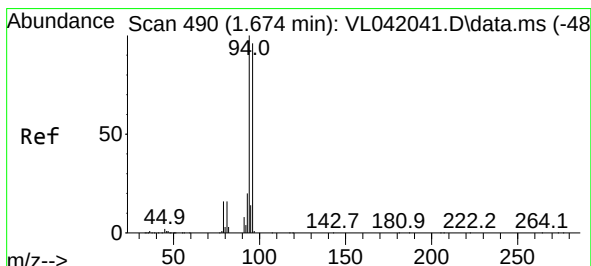
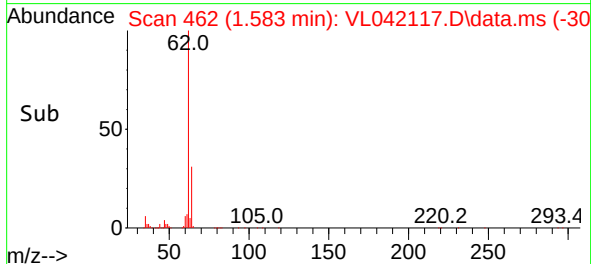
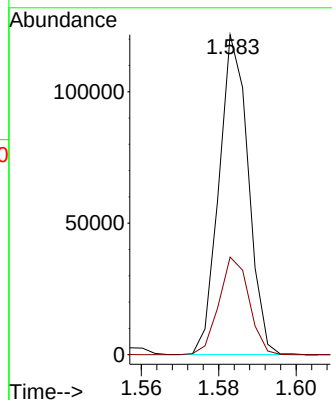
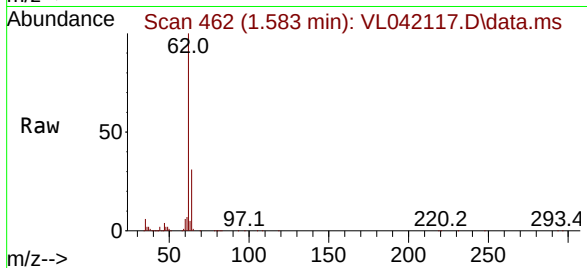




#5
 Vinyl Chloride
 Concen: 10.387 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

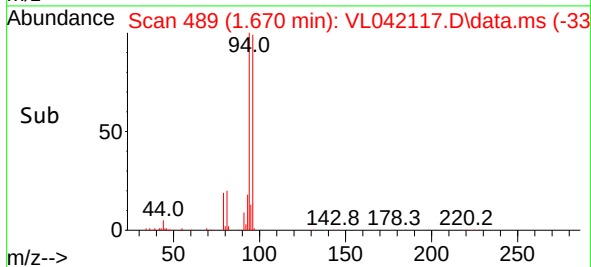
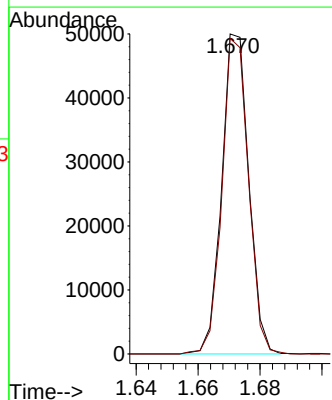
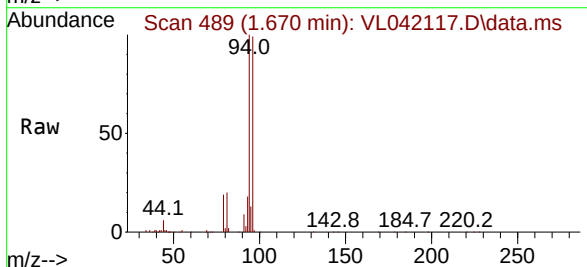
Instrument :
 MSVOA_1
 ClientSampleId :
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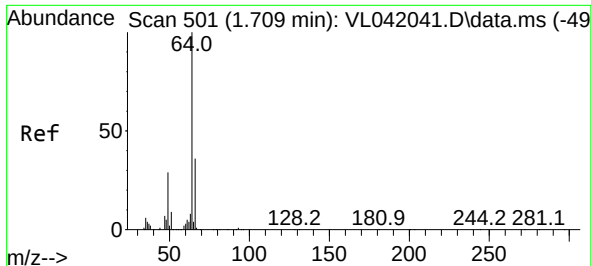
Tgt Ion: 62 Resp: 63789
 Ion Ratio Lower Upper
 62 100
 64 30.6 25.3 37.9



#6
 Bromomethane
 Concen: 10.395 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Tgt Ion: 94 Resp: 30397
 Ion Ratio Lower Upper
 94 100
 96 98.7 76.5 114.7

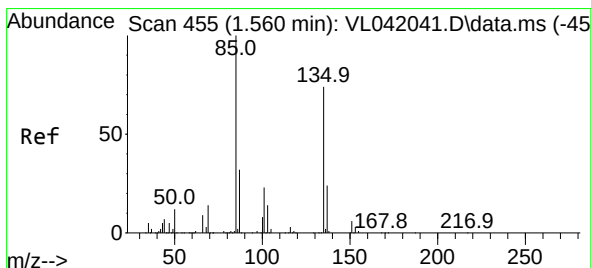
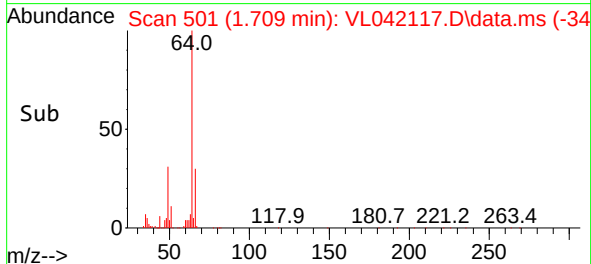
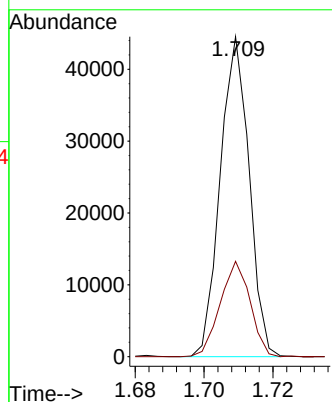
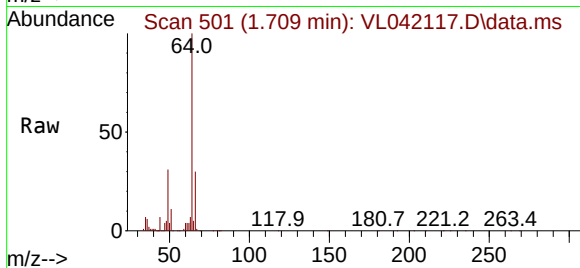




#7
Chloroethane
Concen: 10.383 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

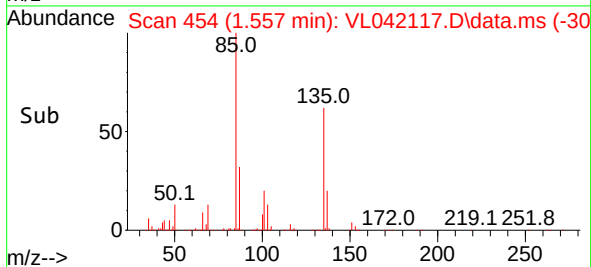
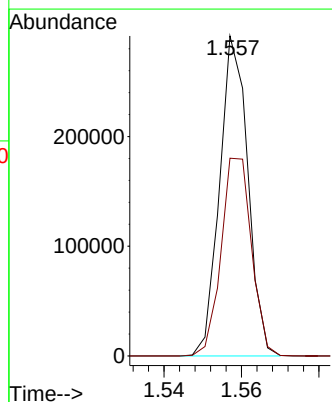
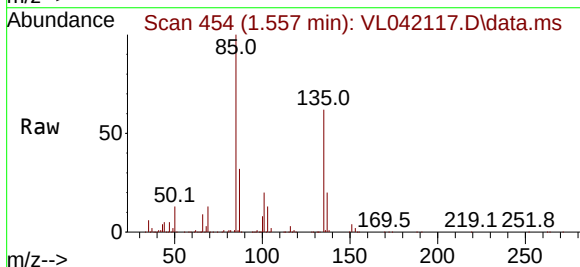
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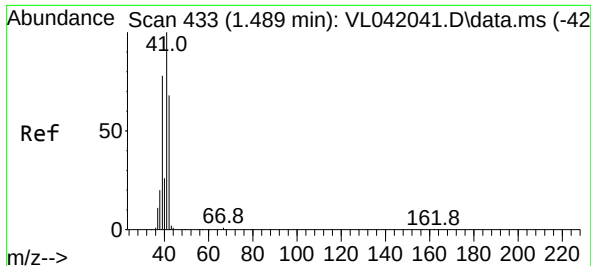
Tgt Ion: 64 Resp: 25907
Ion Ratio Lower Upper
64 100
66 29.8 28.4 42.6



#8
Dichlorotetrafluoroethane
Concen: 10.213 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 85 Resp: 147392
Ion Ratio Lower Upper
85 100
135 67.0 54.6 81.8

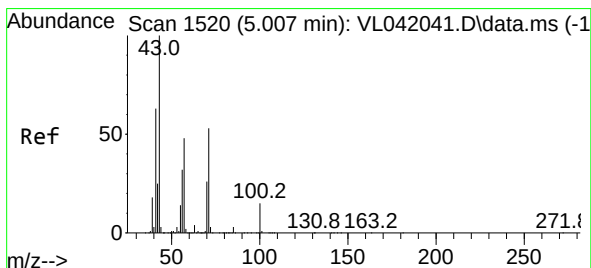
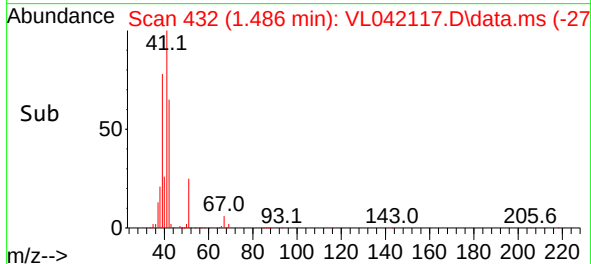
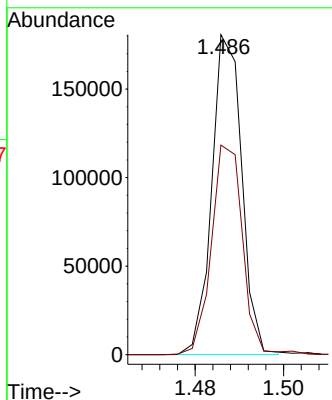
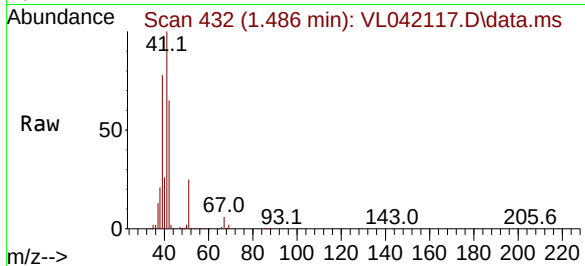




#9
Propene
Concen: 8.494 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

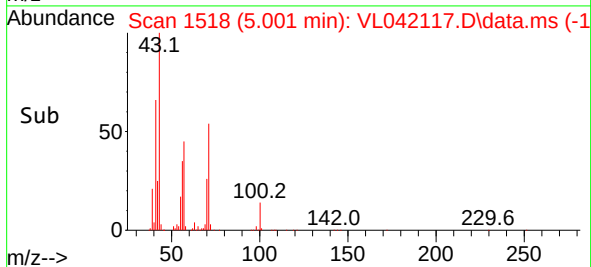
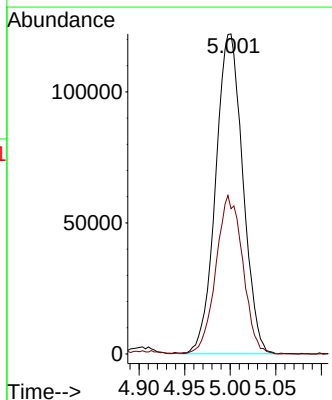
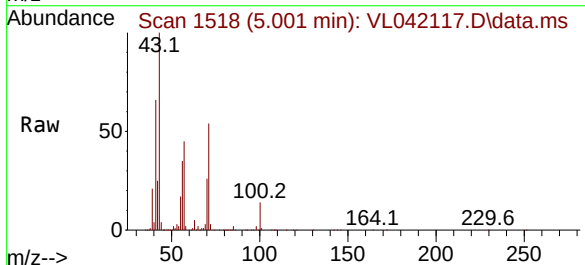
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

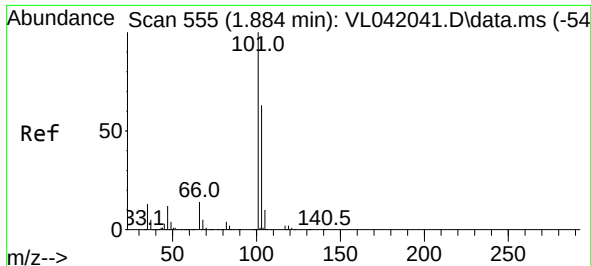
Tgt Ion: 41 Resp: 84908
Ion Ratio Lower Upper
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42 68.5 55.8 83.6



#10
Heptane
Concen: 8.141 ppbv
RT: 5.001 min Scan# 1518
Delta R.T. -0.007 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 43 Resp: 253371
Ion Ratio Lower Upper
43 100
57 48.9 39.4 59.0

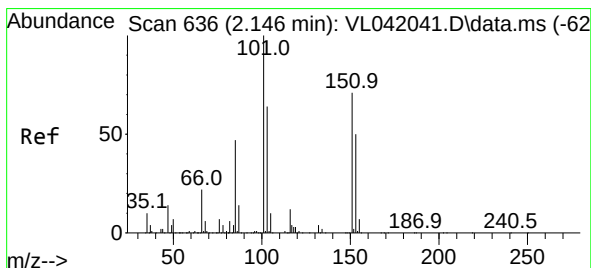
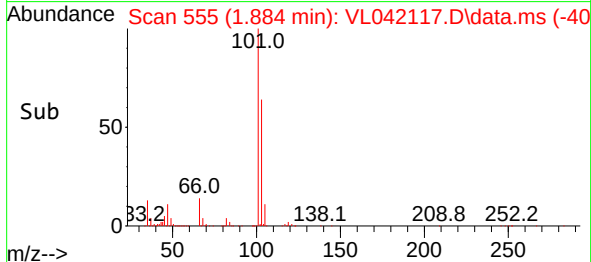
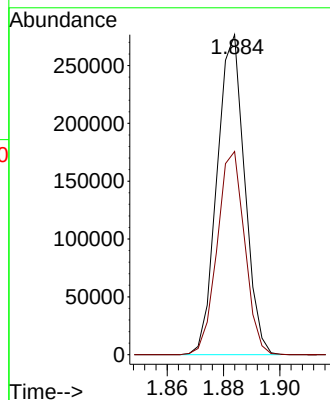
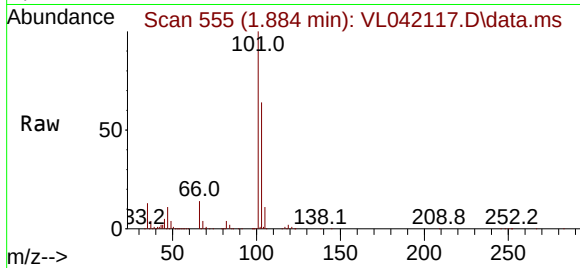




#11
 Trichlorofluoromethane
 Concen: 10.702 ppbv
 RT: 1.884 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

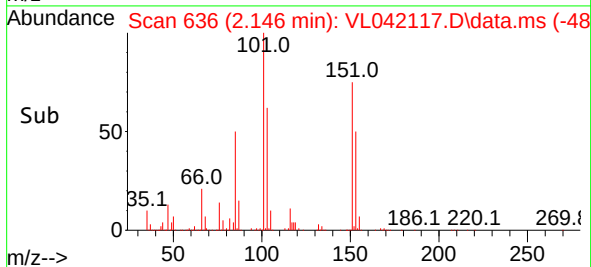
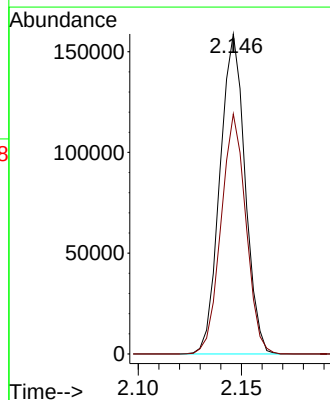
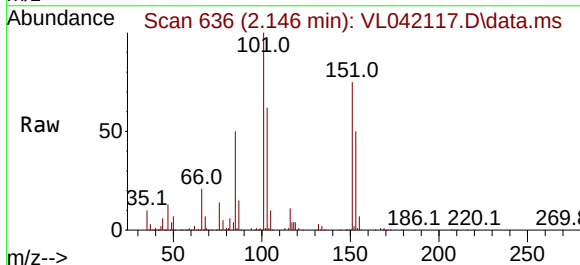
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

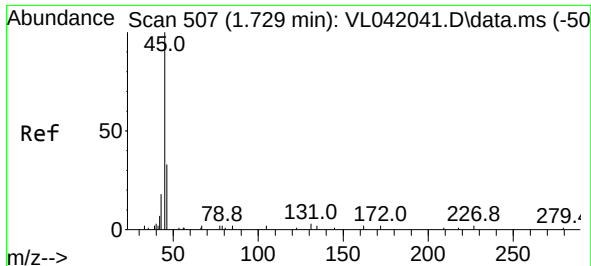
Tgt Ion:101 Resp: 188256
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.568 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. -0.000 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Tgt Ion:101 Resp: 134259
 Ion Ratio Lower Upper
 101 100
 151 74.2 62.6 94.0

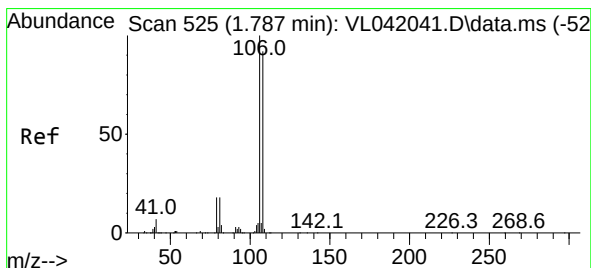
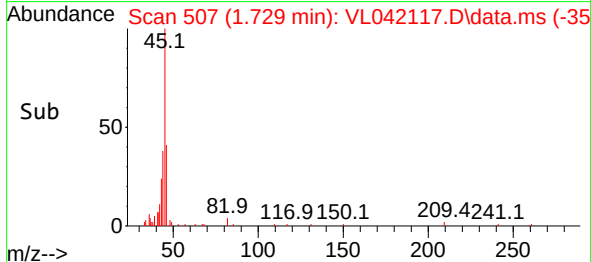
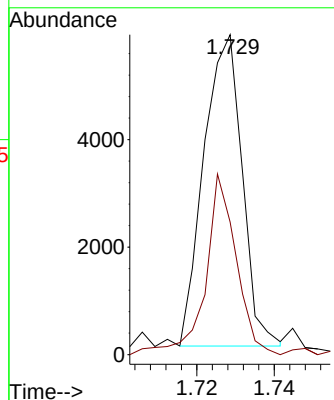
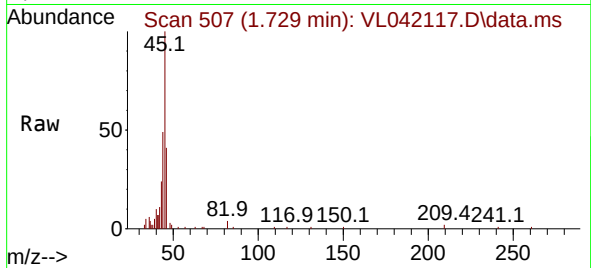




#13
Ethanol
Concen: 6.266 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

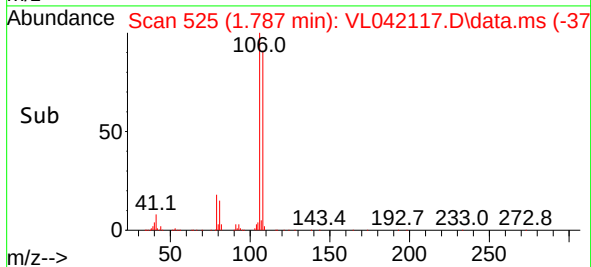
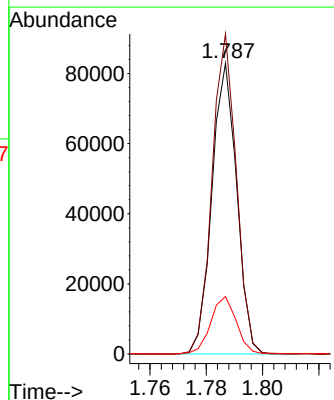
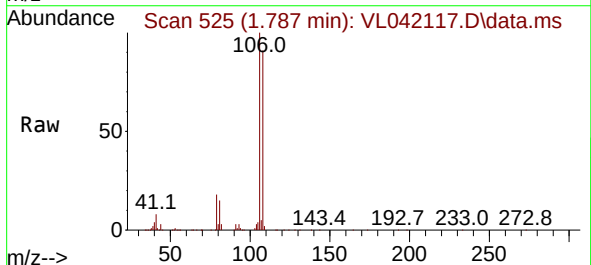
Instrument :
MSVOA_1
ClientSampleId :
VL0310ABS01

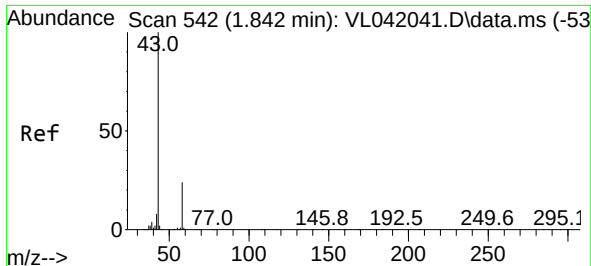
Tgt Ion: 45 Resp: 3976
Ion Ratio Lower Upper
45 100
46 47.4 17.1 68.3



#14
Bromoethene
Concen: 10.230 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 108 Resp: 50688
Ion Ratio Lower Upper
108 100
106 107.1 85.4 128.0
79 20.9 16.5 24.7

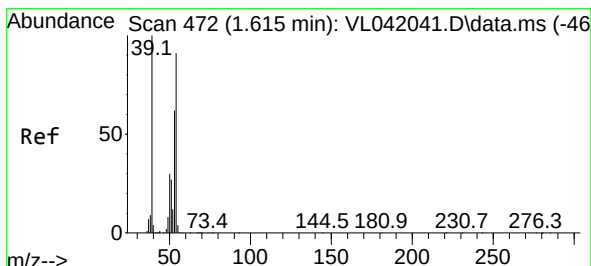
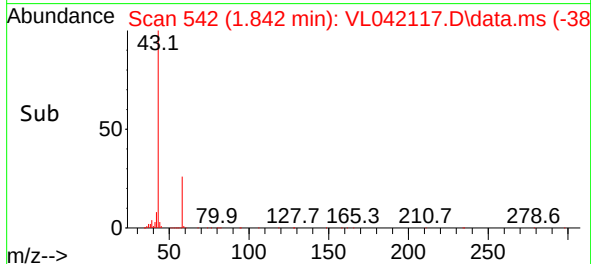
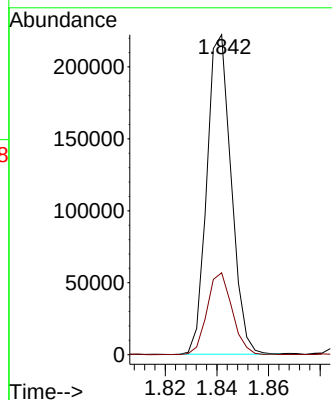
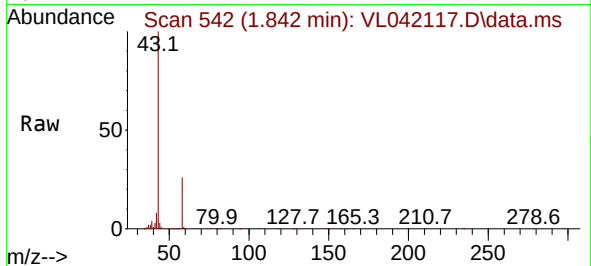




#15
Acetone
Concen: 9.752 ppbv
RT: 1.842 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

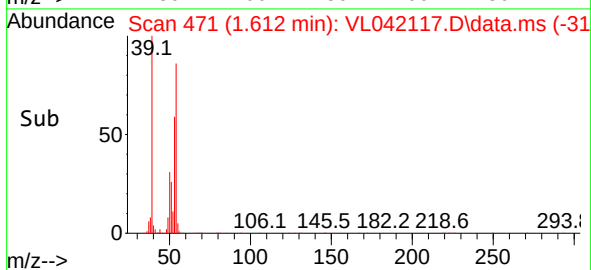
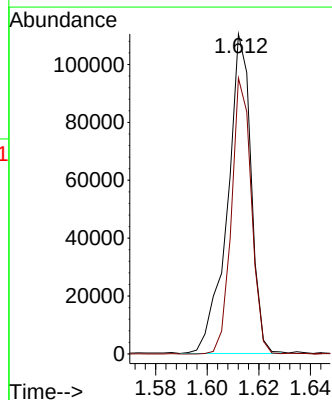
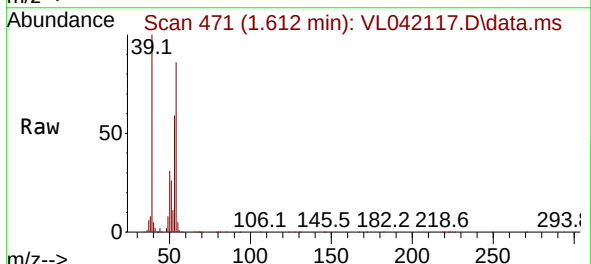
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

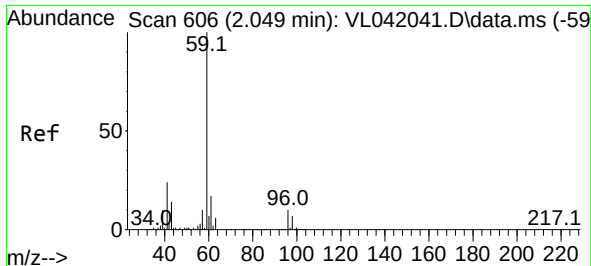
Tgt Ion: 43 Resp: 145391
Ion Ratio Lower Upper
43 100
58 26.6 20.7 31.1



#16
1,3-Butadiene
Concen: 10.118 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 39 Resp: 70201
Ion Ratio Lower Upper
39 100
54 73.0 59.6 89.4





#17

tert-Butyl alcohol

Concen: 8.542 ppbv

RT: 2.046 min Scan# 606

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

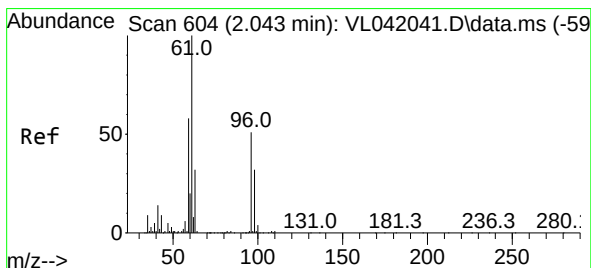
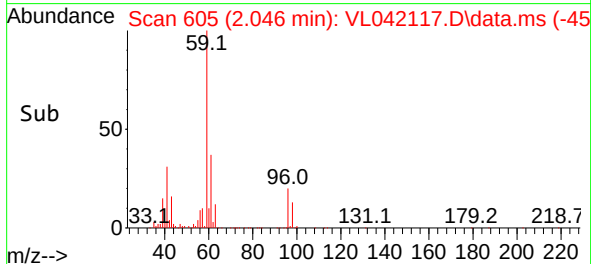
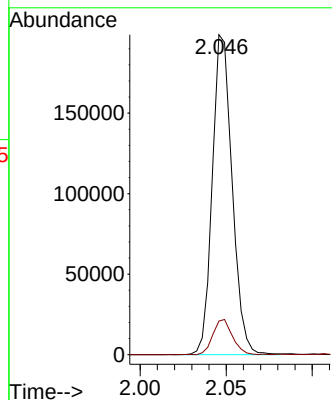
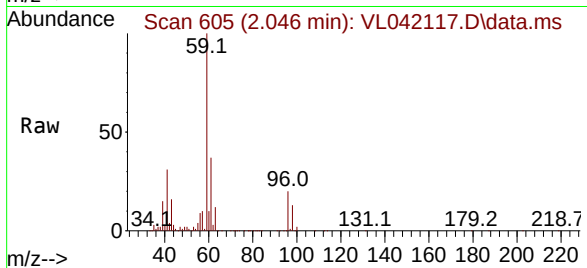
VL0310ABS01

Tgt Ion: 59 Resp: 159331

Ion Ratio Lower Upper

59 100

57 11.2 9.3 13.9



#18

1,1-Dichloroethene

Concen: 9.415 ppbv

RT: 2.039 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

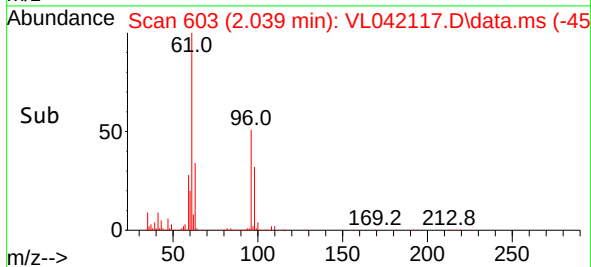
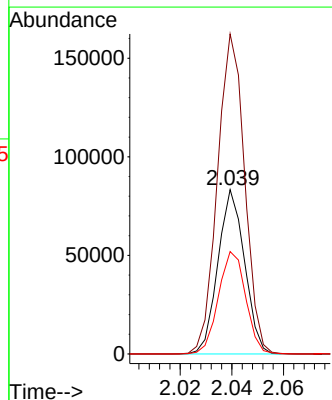
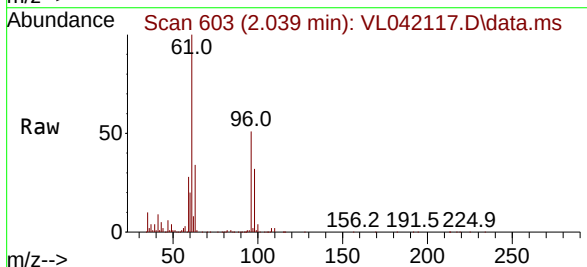
Tgt Ion: 96 Resp: 59693

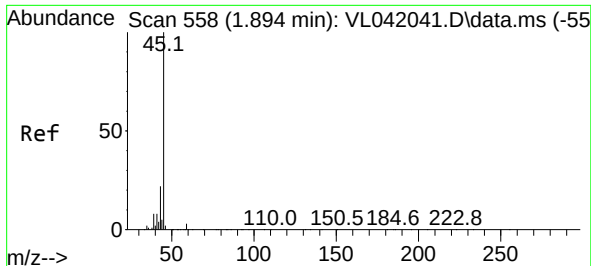
Ion Ratio Lower Upper

96 100

61 194.5 156.0 234.0

98 62.3 49.4 74.2

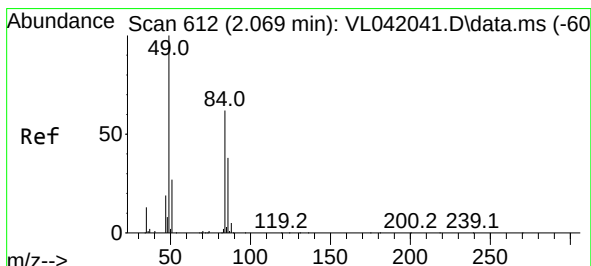
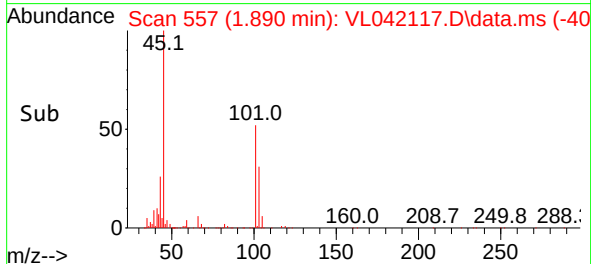
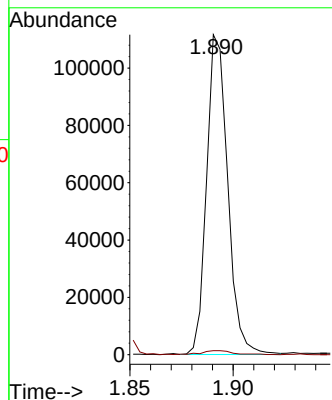
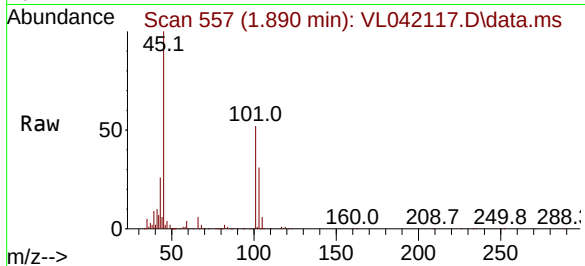




#19
Isopropyl Alcohol
Concen: 9.250 ppbv
RT: 1.890 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

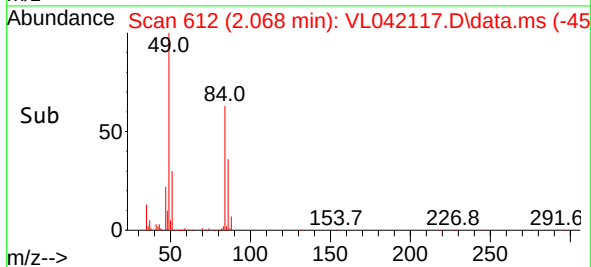
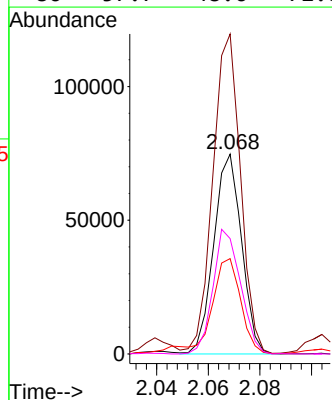
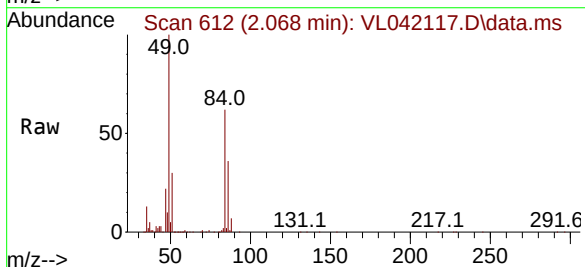
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

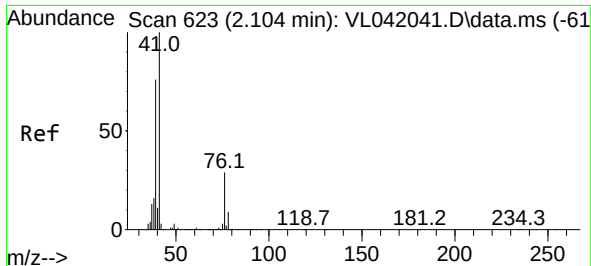
Tgt Ion: 45 Resp: 79215
Ion Ratio Lower Upper
45 100
58 49.0 35.3 52.9



#20
Methylene Chloride
Concen: 9.904 ppbv
RT: 2.068 min Scan# 612
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 84 Resp: 55851
Ion Ratio Lower Upper
84 100
49 159.7 130.0 195.0
51 47.6 37.4 56.0
86 57.7 48.6 72.8

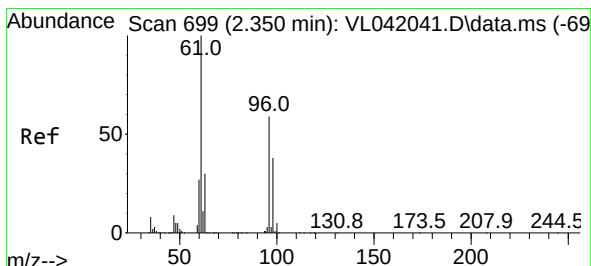
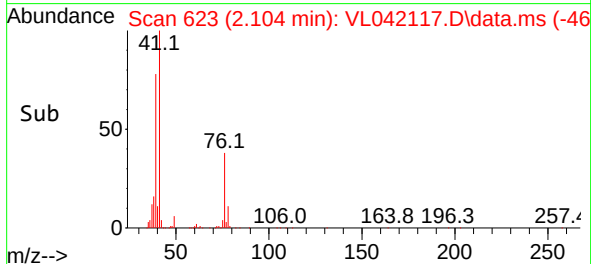
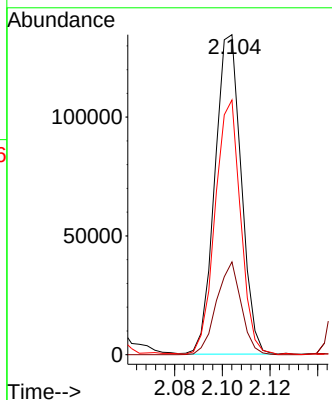
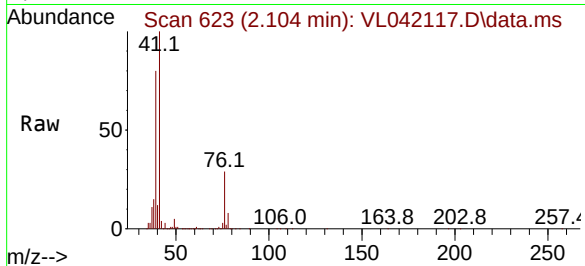




#21
 Allyl Chloride
 Concen: 9.596 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

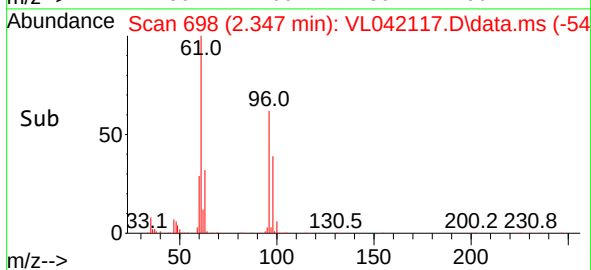
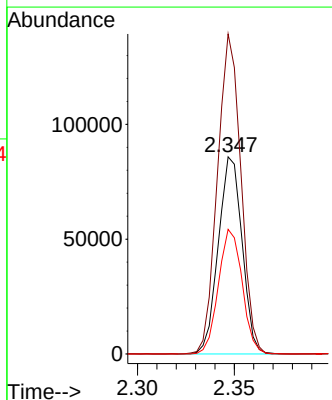
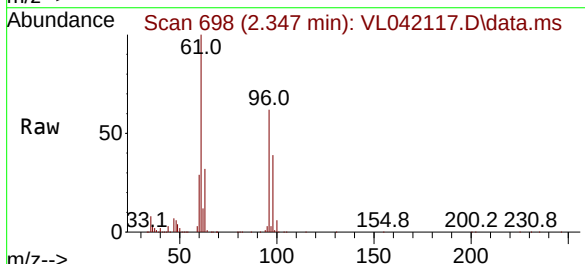
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

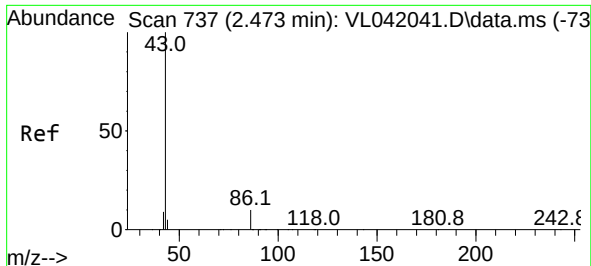
Tgt Ion: 41 Resp: 103366
 Ion Ratio Lower Upper
 41 100
 76 27.2 23.8 35.6
 39 76.6 63.8 95.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.925 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Tgt Ion: 96 Resp: 73354
 Ion Ratio Lower Upper
 96 100
 61 162.4 136.6 205.0
 98 63.2 51.8 77.6

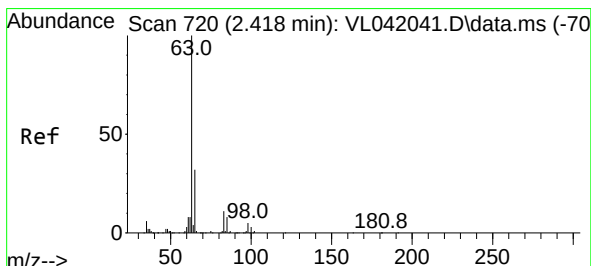
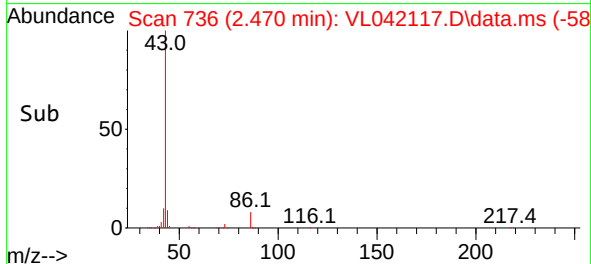
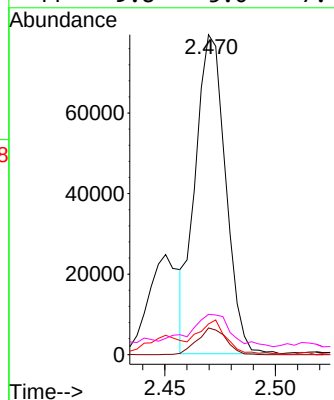
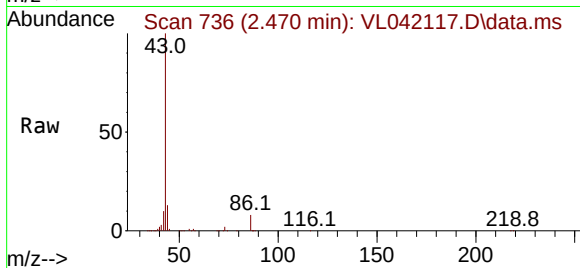




#23
 Vinyl Acetate
 Concen: 7.172 ppbv
 RT: 2.470 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

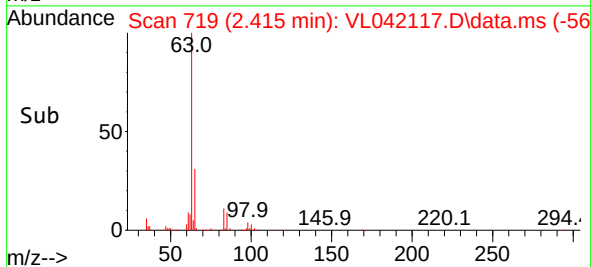
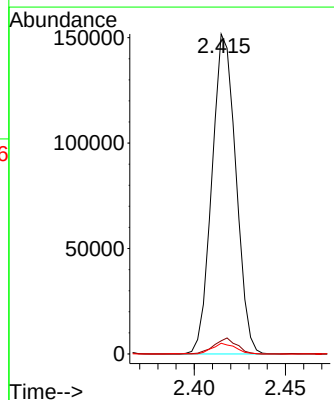
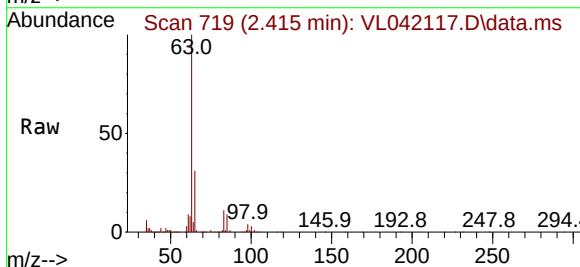
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0310ABS01

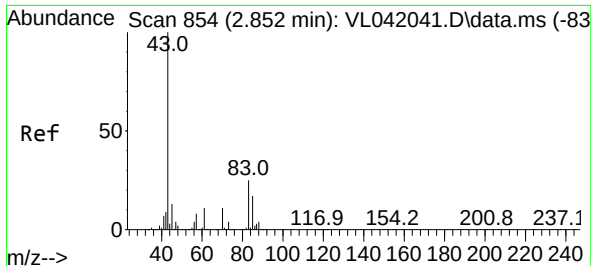
Tgt Ion:	43	Resp:	75186
Ion	Ratio	Lower	Upper
43	100		
86	8.5	7.0	10.4
42	9.3	7.6	11.4
44	9.8	5.0	7.4



#24
 1,1-Dichloroethane
 Concen: 10.075 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Tgt Ion:	63	Resp:	138556
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.2
100	3.4	1.7	5.0

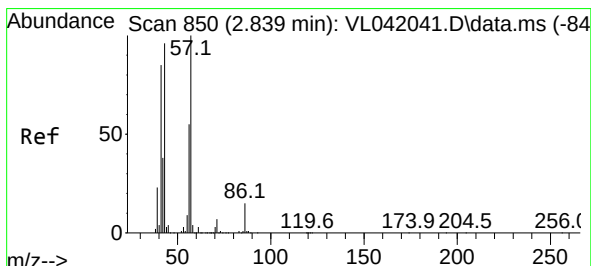
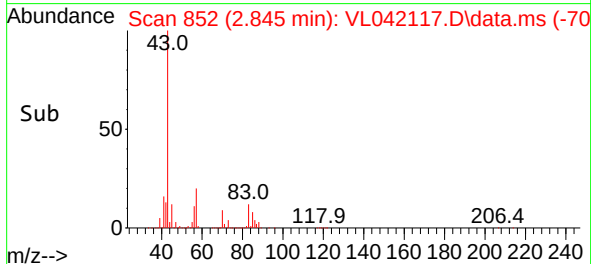
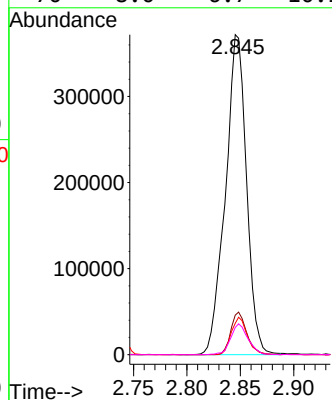
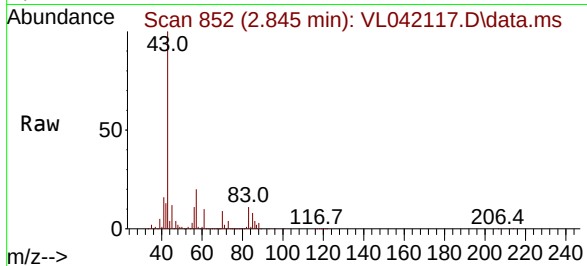




#25
Ethyl Acetate
Concen: 8.572 ppbv
RT: 2.845 min Scan# 815
Delta R.T. -0.007 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

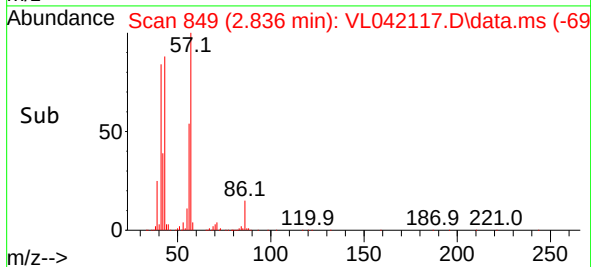
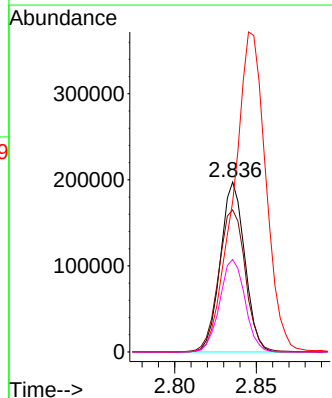
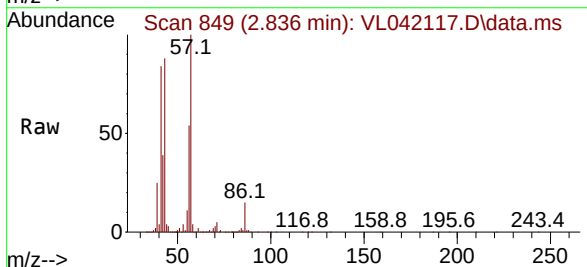
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

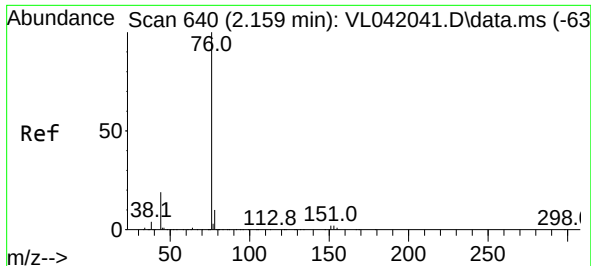
Tgt Ion: 43	Resp: 511525
Ion Ratio	Lower Upper
43 100	
45 10.1	8.1 12.1
61 9.0	7.2 10.8
70 8.0	6.7 10.1



#26
Hexane
Concen: 8.480 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 57	Resp: 204595
Ion Ratio	Lower Upper
57 100	
41 92.9	70.6 106.0
43 251.1	199.4 299.0
56 56.6	42.6 64.0

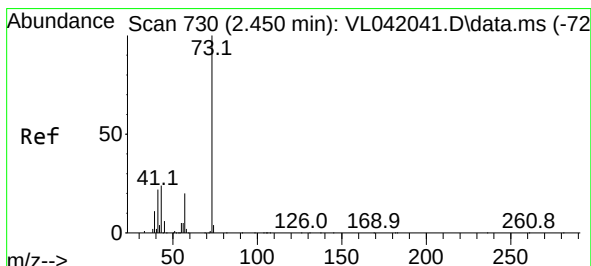
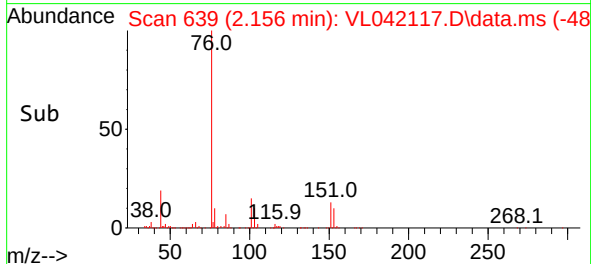
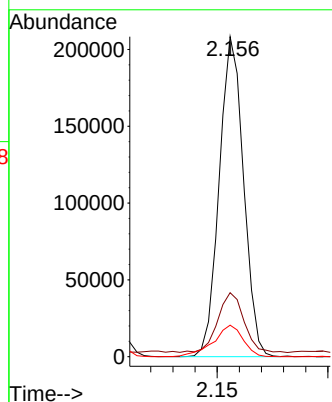
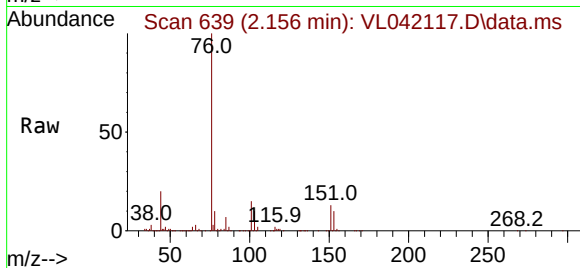




#27
Carbon Disulfide
Concen: 9.720 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

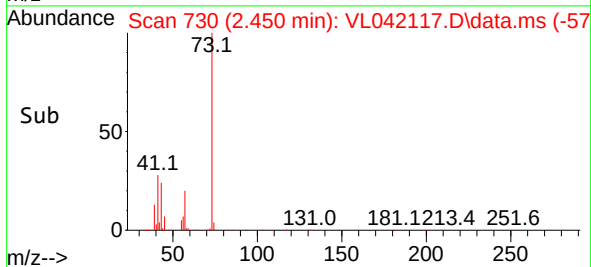
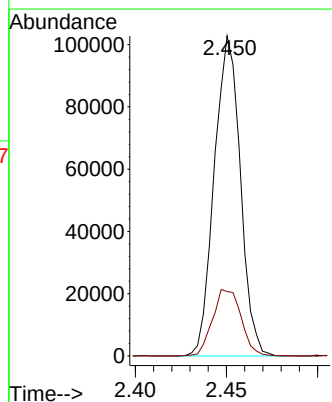
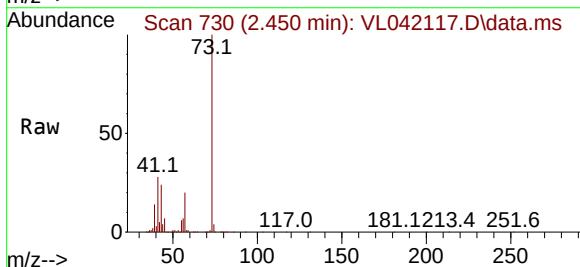
Instrument :
MSVOA_1
ClientSampleId :
VL0310ABS01

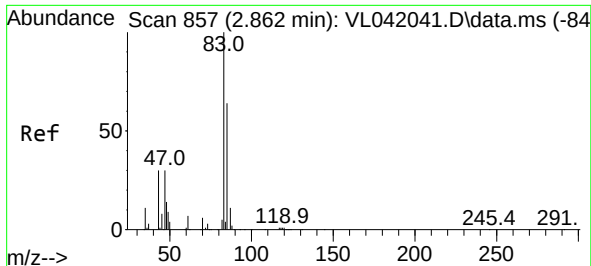
Tgt Ion: 76 Resp: 158957
Ion Ratio Lower Upper
76 100
44 21.4 16.2 24.2
78 12.0 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 8.503 ppbv
RT: 2.450 min Scan# 730
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 73 Resp: 102132
Ion Ratio Lower Upper
73 100
57 22.8 17.7 26.5





#29

Chloroform

Concen: 8.544 ppbv

RT: 2.858 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

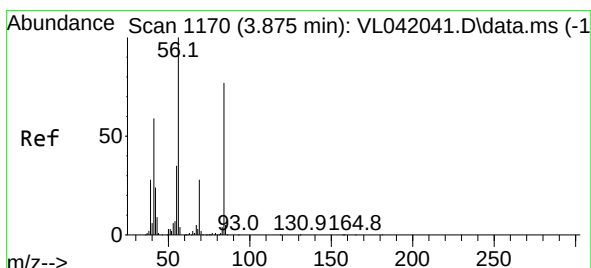
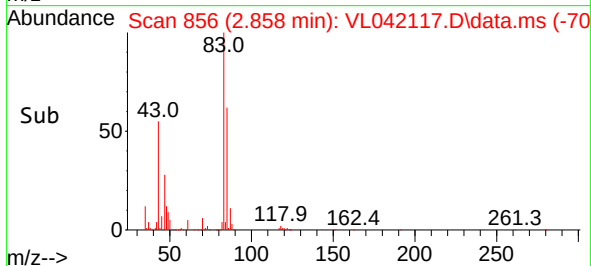
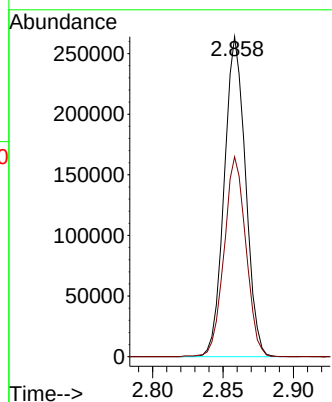
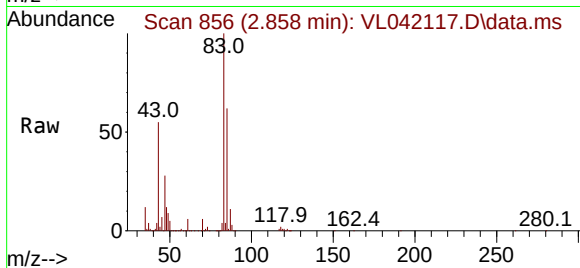
VL0310ABS01

Tgt Ion: 83 Resp: 277421

Ion Ratio Lower Upper

83 100

85 62.4 51.2 76.8



#30

Cyclohexane

Concen: 7.792 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

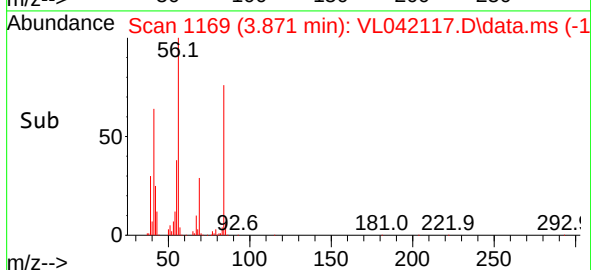
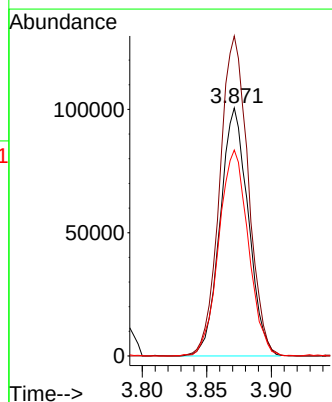
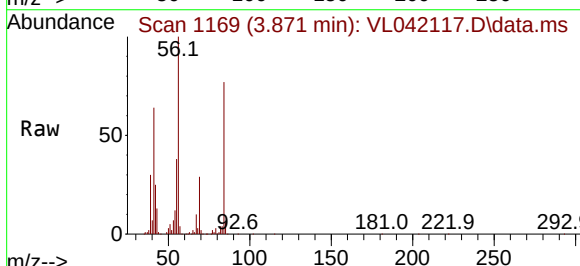
Tgt Ion: 84 Resp: 152583

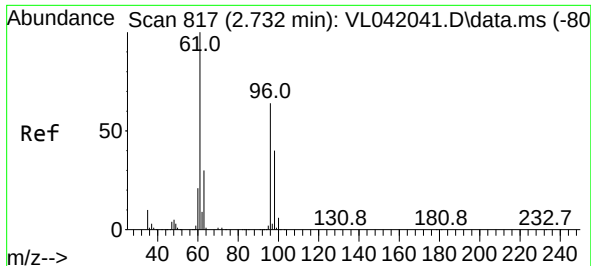
Ion Ratio Lower Upper

84 100

56 130.3 101.5 152.3

41 87.1 62.6 93.8

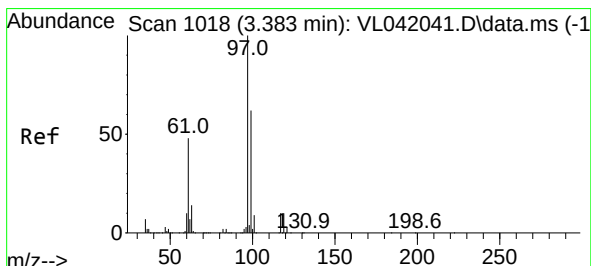
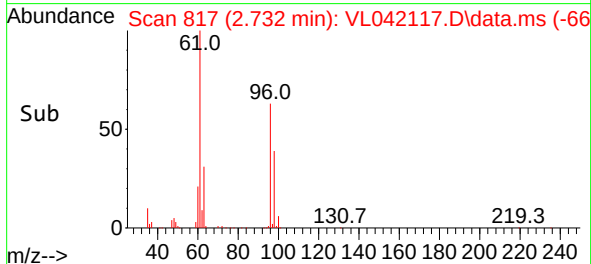
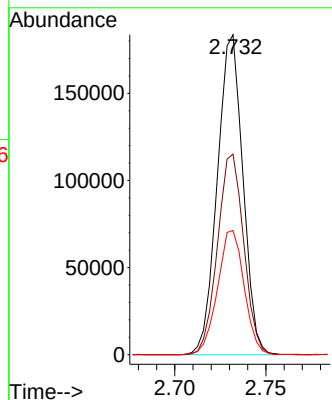
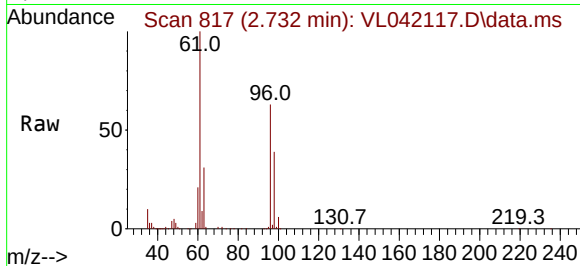




#31
 cis-1,2-Dichloroethene
 Concen: 7.856 ppbv
 RT: 2.732 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

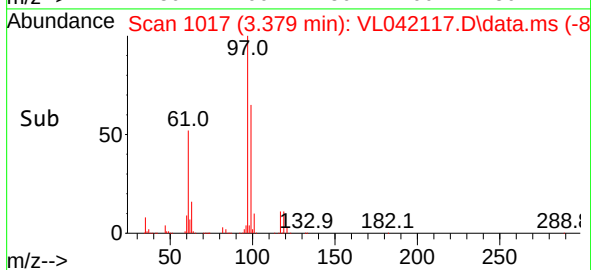
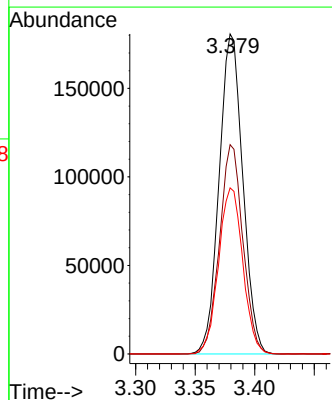
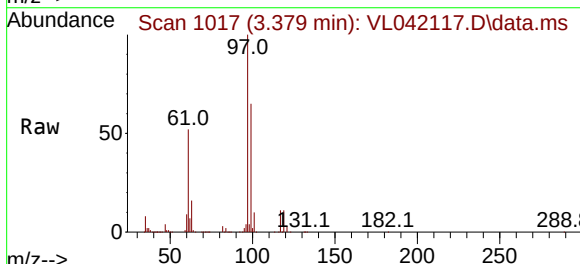
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

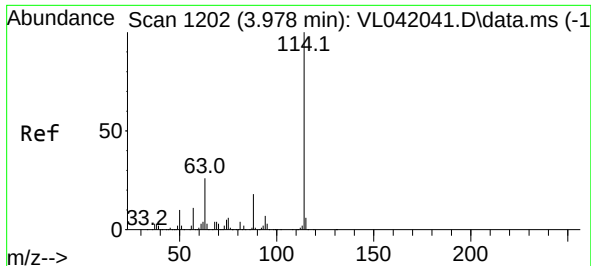
Tgt Ion: 61 Resp: 179418
 Ion Ratio Lower Upper
 61 100
 96 62.7 51.5 77.3
 98 38.8 32.0 48.0



#32
 1,1,1-Trichloroethane
 Concen: 7.916 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Tgt Ion: 97 Resp: 249329
 Ion Ratio Lower Upper
 97 100
 99 64.5 49.8 74.6
 61 53.2 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

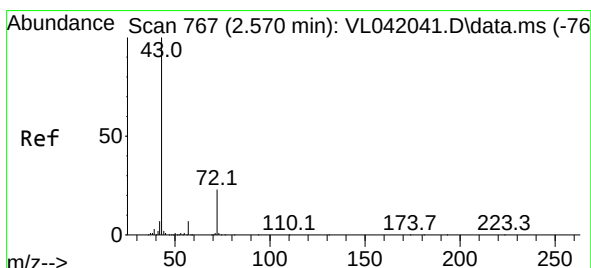
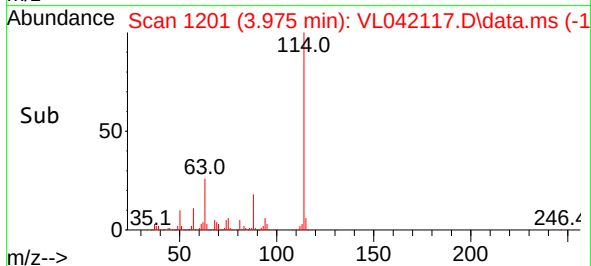
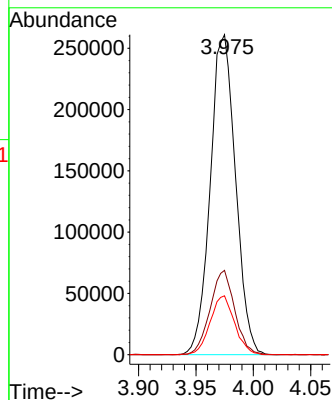
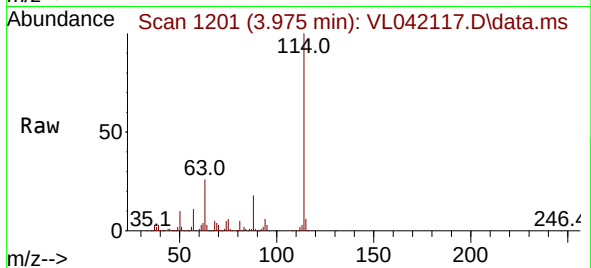
Tgt Ion:114 Resp: 400351

Ion Ratio Lower Upper

114 100

63 25.7 20.1 30.1

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 9.118 ppbv

RT: 2.567 min Scan# 766

Delta R.T. -0.003 min

Lab File: VL042117.D

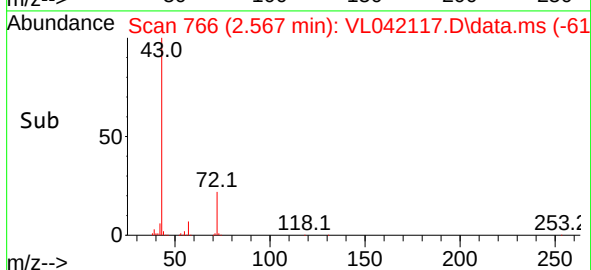
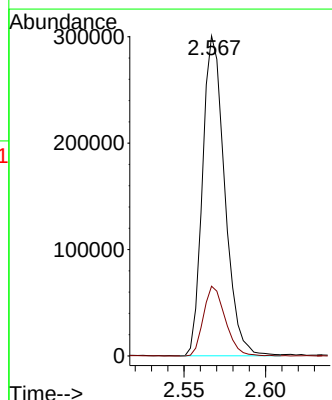
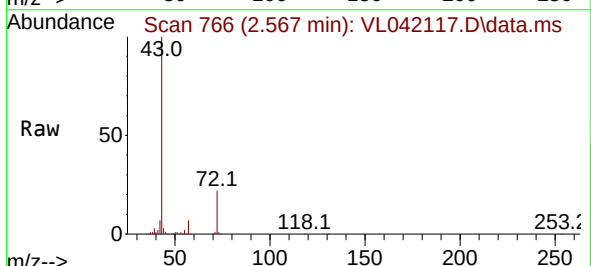
Acq: 10 Mar 2025 10:52

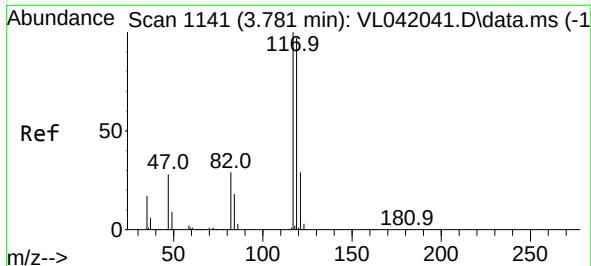
Tgt Ion: 43 Resp: 284384

Ion Ratio Lower Upper

43 100

72 21.6 18.5 27.7

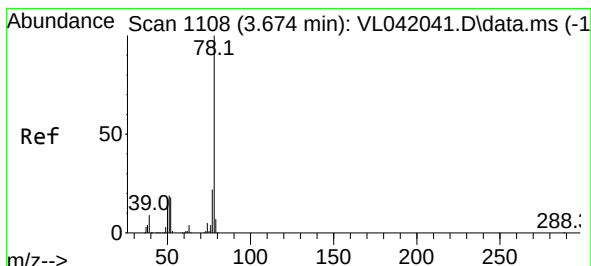
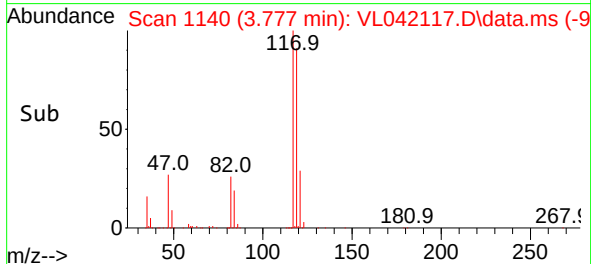
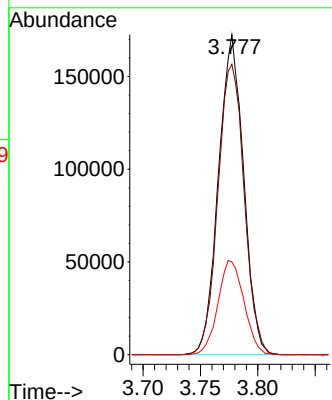
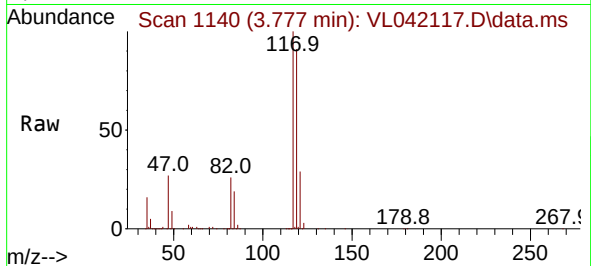




#35
Carbon Tetrachloride
Concen: 9.491 ppbv
RT: 3.777 min Scan# 1141
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

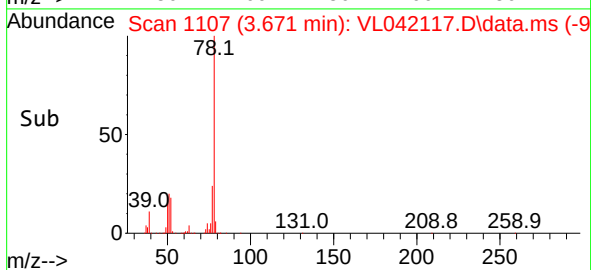
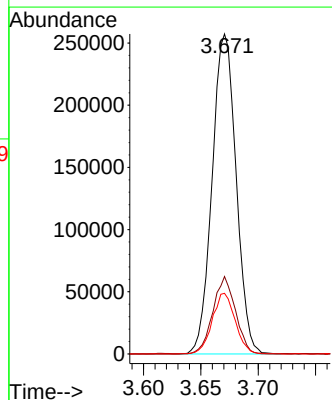
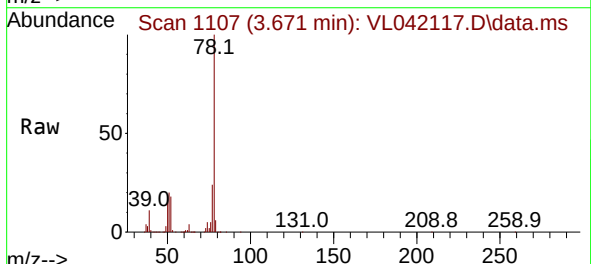
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

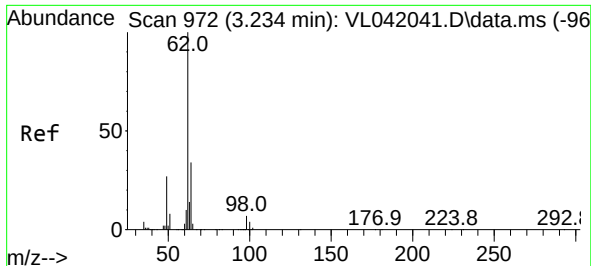
Tgt Ion:117 Resp: 262027
Ion Ratio Lower Upper
117 100
119 90.7 77.8 116.8
121 29.0 23.4 35.0



#36
Benzene
Concen: 8.937 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 78 Resp: 374551
Ion Ratio Lower Upper
78 100
77 24.1 17.7 26.5
50 18.9 13.9 20.9





#37

1,2-Dichloroethane

Concen: 8.686 ppbv

RT: 3.230 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

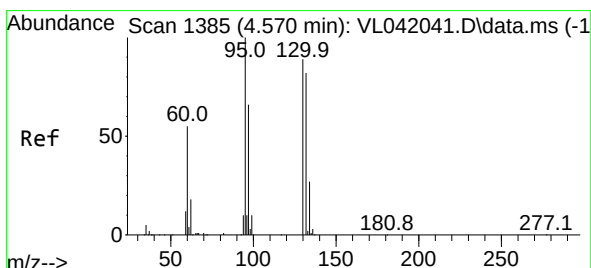
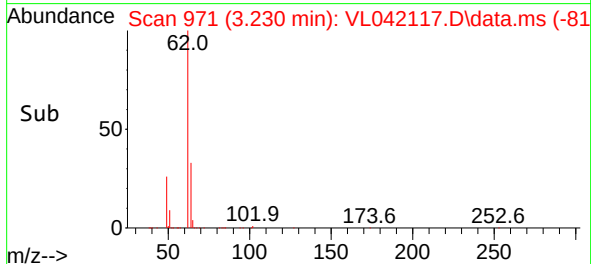
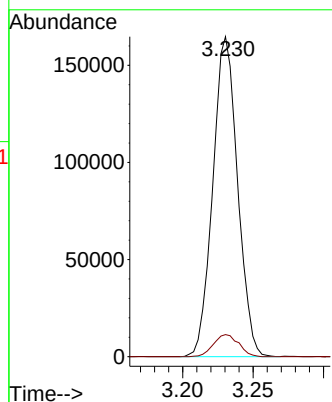
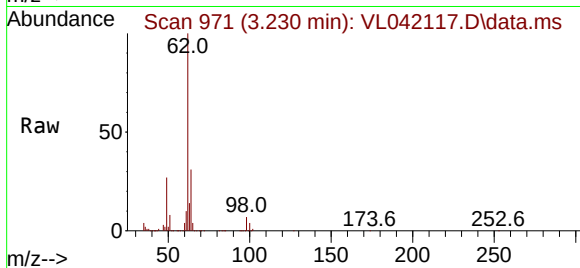
VL0310ABS01

Tgt Ion: 62 Resp: 201838

Ion Ratio Lower Upper

62 100

98 7.0 5.7 8.5



#38

Trichloroethene

Concen: 8.392 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. -0.007 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Tgt Ion:130 Resp: 143616

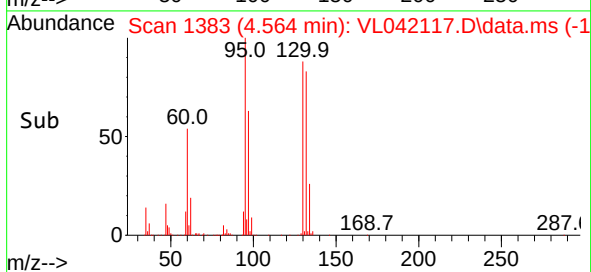
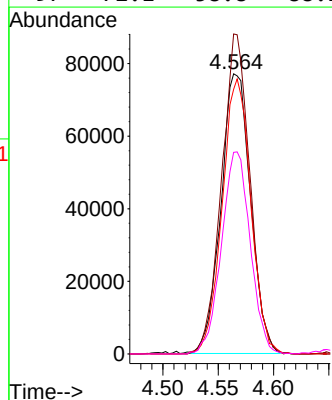
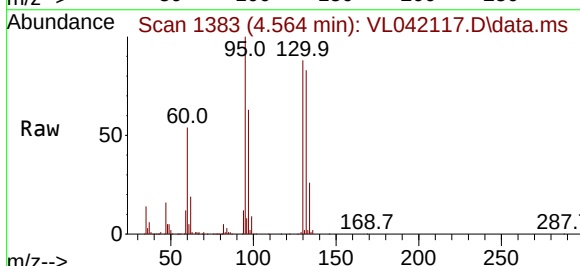
Ion Ratio Lower Upper

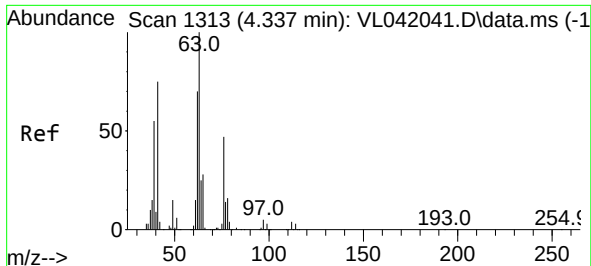
130 100

95 114.4 89.5 134.3

132 94.6 73.8 110.6

97 72.1 58.8 88.2





#39

1,2-Dichloropropane

Concen: 8.909 ppbv

RT: 4.331 min Scan# 1311

Delta R.T. -0.007 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

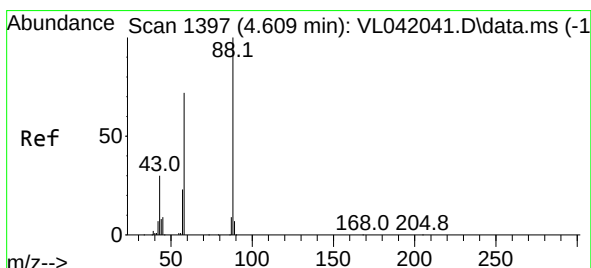
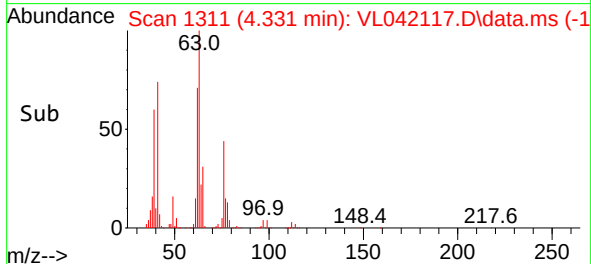
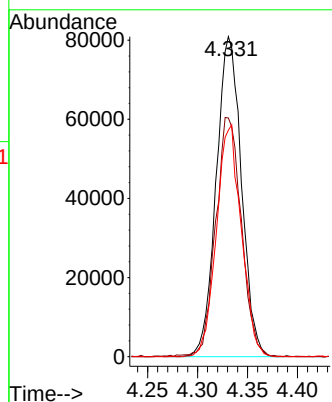
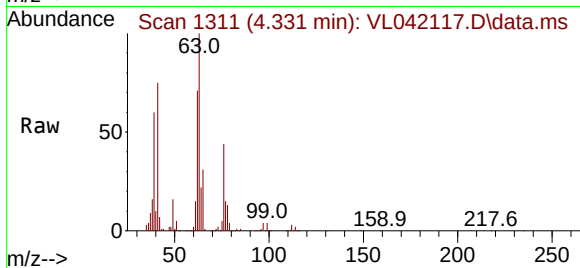
Tgt Ion: 63 Resp: 141729

Ion Ratio Lower Upper

63 100

41 74.5 60.1 90.1

62 70.8 55.8 83.8



#40

1,4-Dioxane

Concen: 8.321 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. -0.007 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Tgt Ion: 88 Resp: 60426

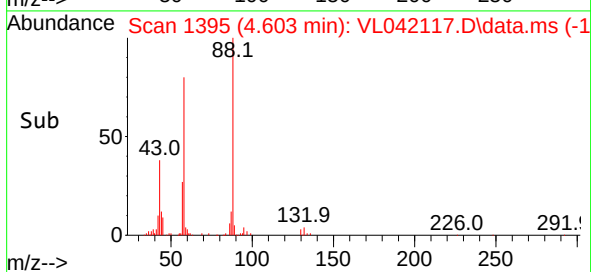
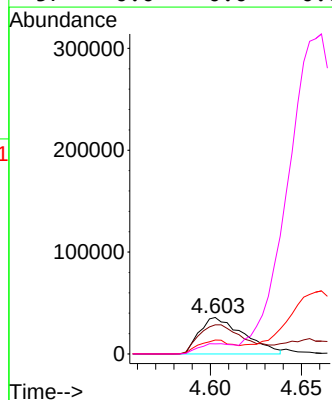
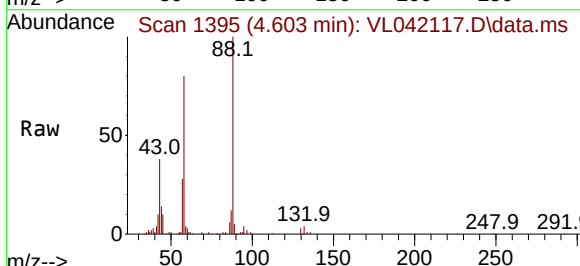
Ion Ratio Lower Upper

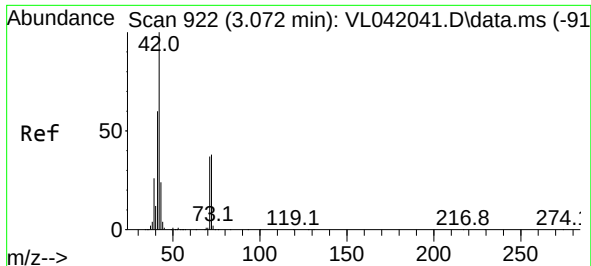
88 100

58 89.1 62.6 94.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

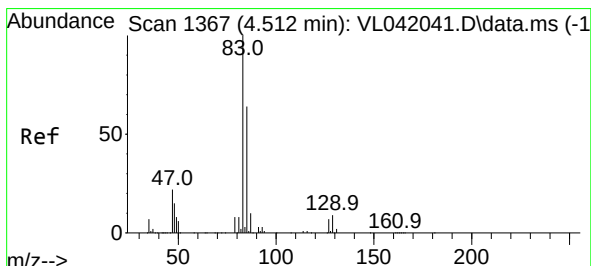
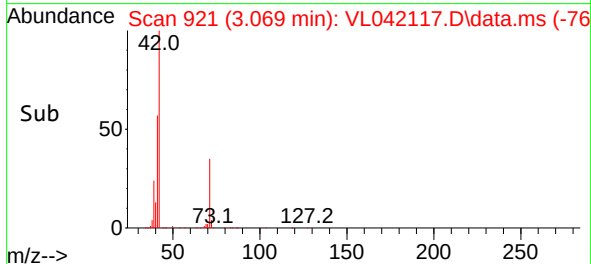
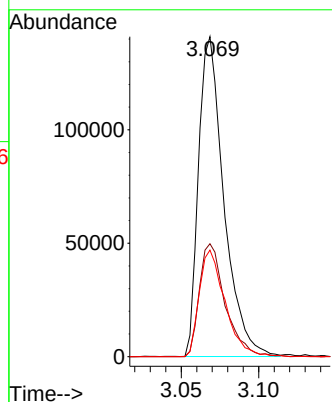
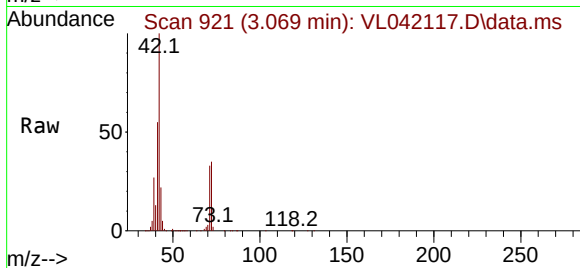




#41
Tetrahydrofuran
Concen: 8.728 ppbv
RT: 3.069 min Scan# 91
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

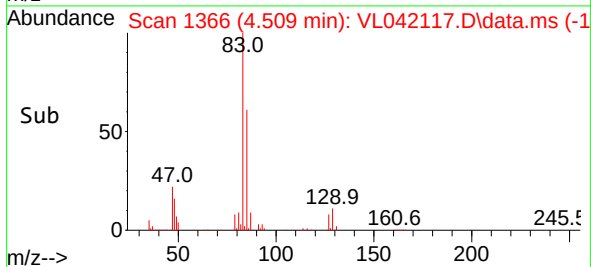
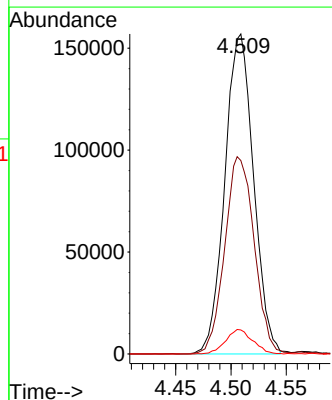
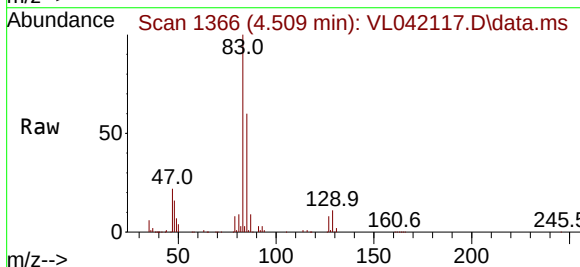
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

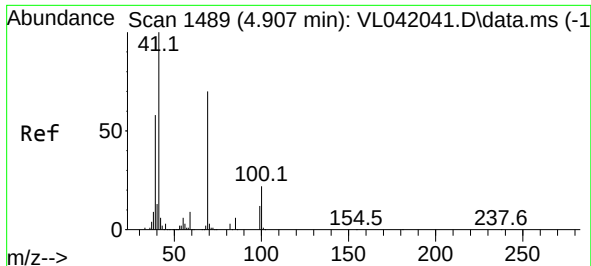
Tgt Ion: 42 Resp: 160858
Ion Ratio Lower Upper
42 100
72 36.0 30.2 45.2
71 34.0 28.2 42.4



#42
Bromodichloromethane
Concen: 9.063 ppbv
RT: 4.509 min Scan# 1366
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 83 Resp: 283730
Ion Ratio Lower Upper
83 100
85 60.4 51.4 77.2
127 7.5 5.8 8.6

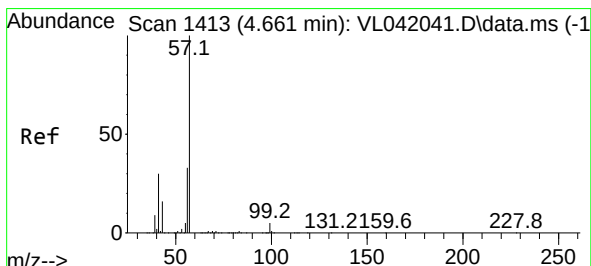
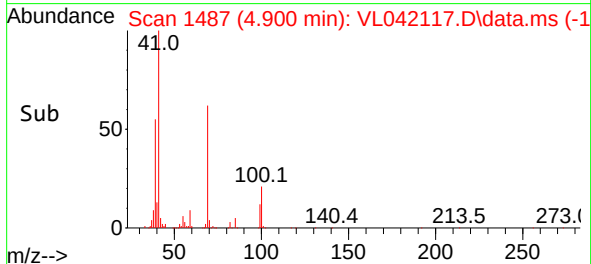
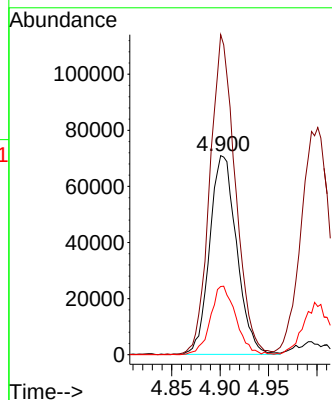
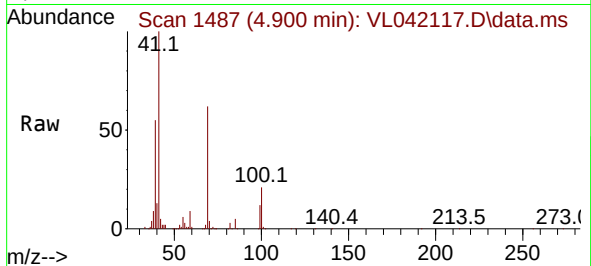




#43
Methyl Methacrylate
Concen: 8.395 ppbv
RT: 4.900 min Scan# 1489
Delta R.T. -0.007 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

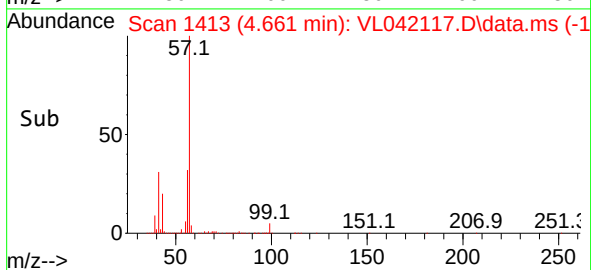
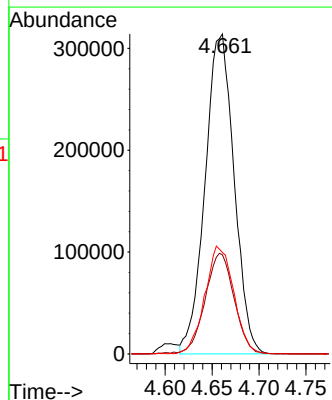
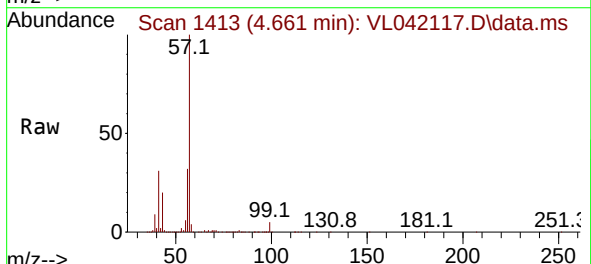
Instrument :
MSVOA_1
ClientSampleId :
VL0310ABS01

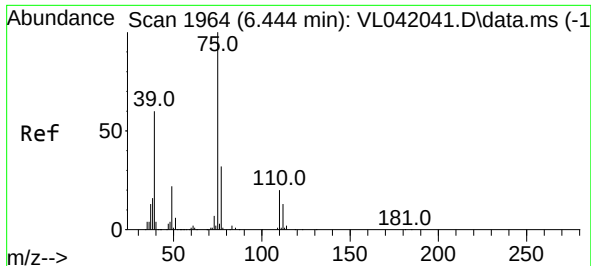
Tgt Ion: 69 Resp: 137403
Ion Ratio Lower Upper
69 100
41 152.0 118.2 177.4
100 32.6 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 9.131 ppbv
RT: 4.661 min Scan# 1413
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 57 Resp: 675434
Ion Ratio Lower Upper
57 100
41 31.6 24.4 36.6
56 33.6 26.5 39.7

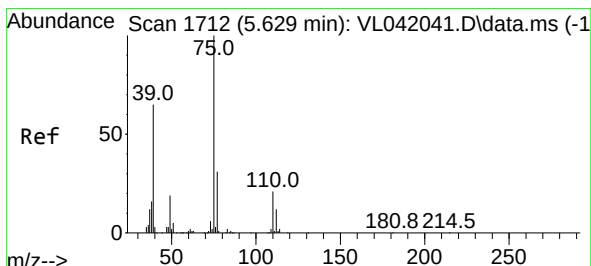
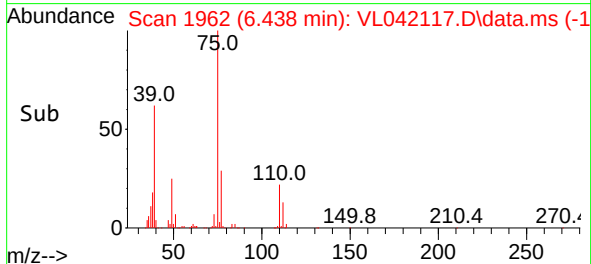
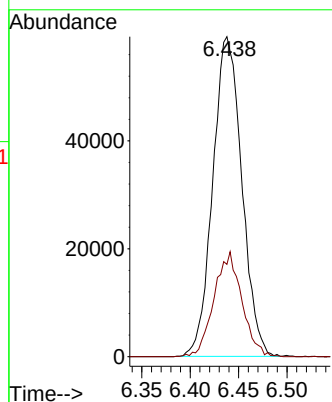
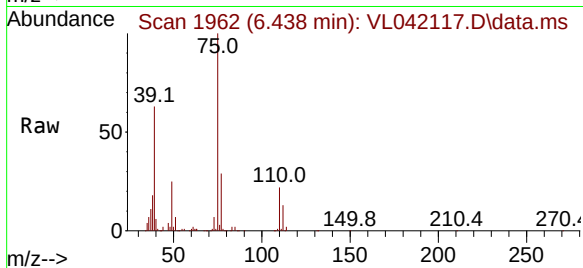




#45
 t-1,3-Dichloropropene
 Concen: 7.598 ppbv
 RT: 6.438 min Scan# 1964
 Delta R.T. -0.007 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

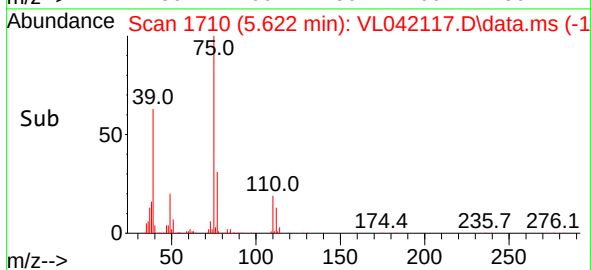
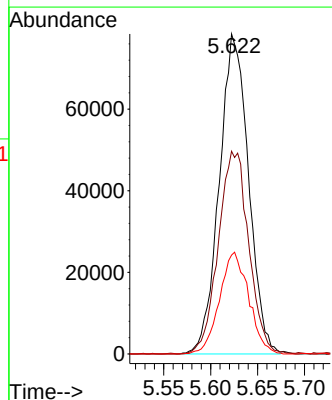
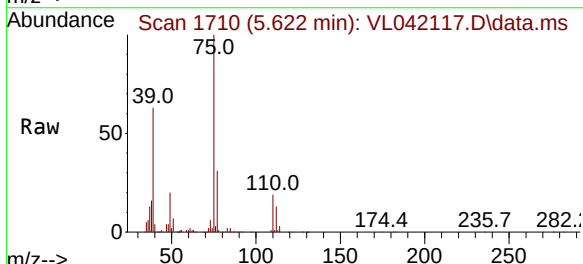
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

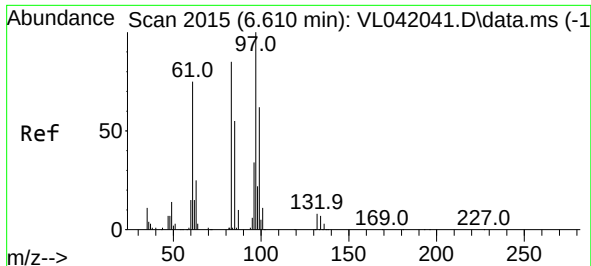
Tgt Ion: 75 Resp: 123548
 Ion Ratio Lower Upper
 75 100
 77 28.8 25.9 38.9



#46
 cis-1,3-Dichloropropene
 Concen: 8.063 ppbv
 RT: 5.622 min Scan# 1710
 Delta R.T. -0.007 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Tgt Ion: 75 Resp: 169656
 Ion Ratio Lower Upper
 75 100
 39 63.3 51.9 77.9
 77 30.9 24.9 37.3





#47

1,1,2-Trichloroethane

Concen: 8.925 ppbv

RT: 6.603 min Scan# 20

Delta R.T. -0.007 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

Tgt Ion: 97 Resp: 144144

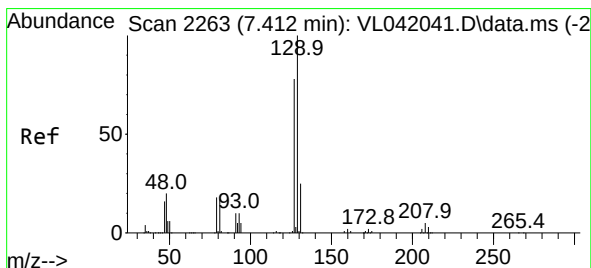
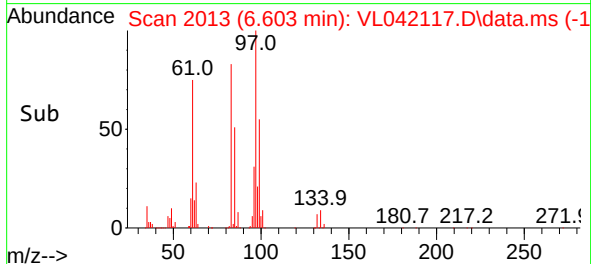
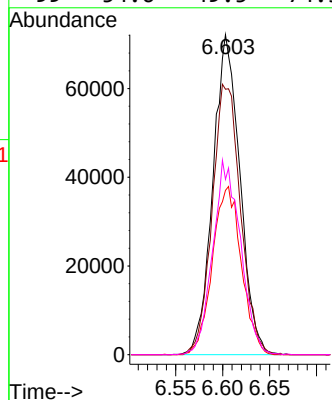
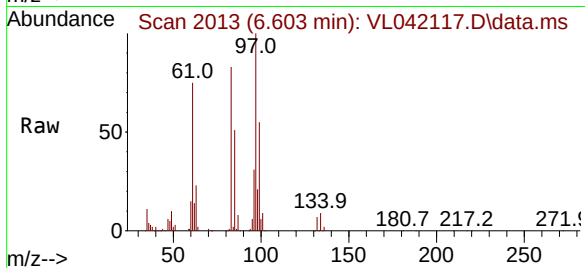
Ion Ratio Lower Upper

97 100

83 82.9 68.1 102.1

85 51.3 44.0 66.0

99 54.6 49.5 74.3



#48

Dibromochloromethane

Concen: 8.951 ppbv

RT: 7.402 min Scan# 2260

Delta R.T. -0.010 min

Lab File: VL042117.D

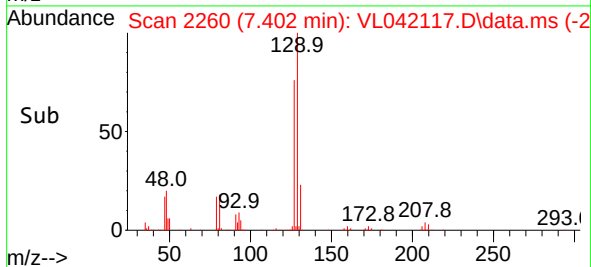
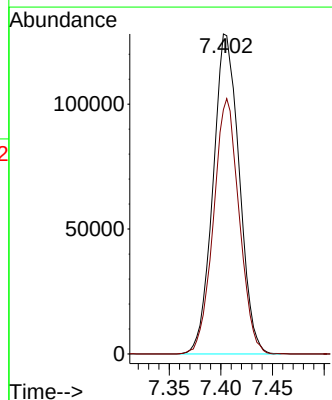
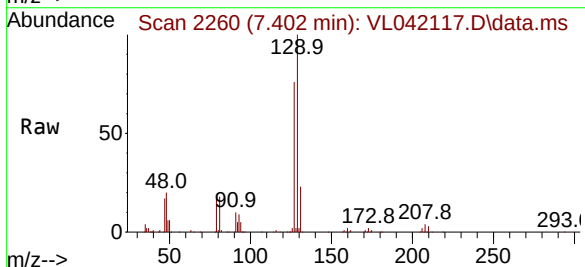
Acq: 10 Mar 2025 10:52

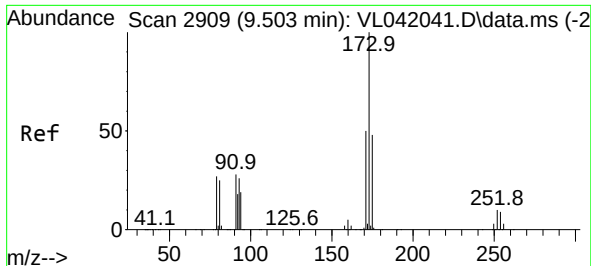
Tgt Ion: 129 Resp: 226388

Ion Ratio Lower Upper

129 100

127 78.1 38.6 115.8

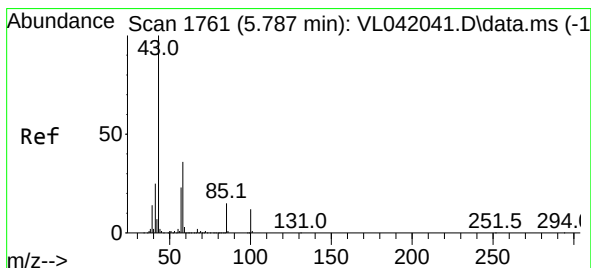
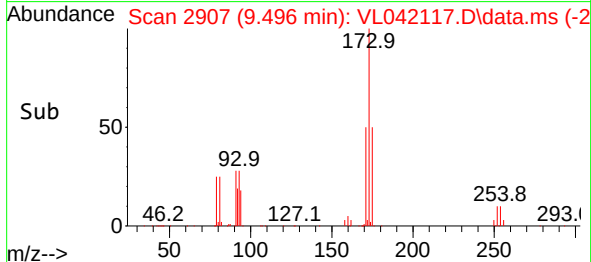
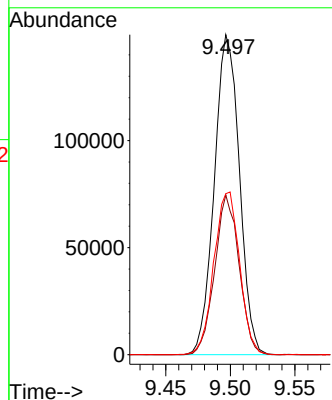
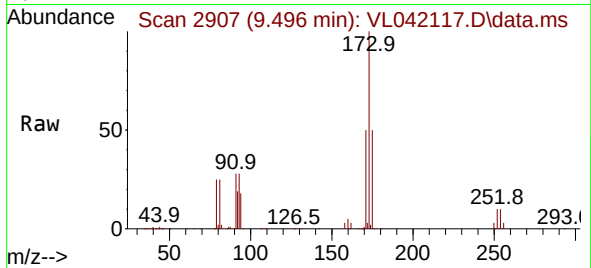




#49
Bromoform
Concen: 9.188 ppbv
RT: 9.496 min Scan# 2909
Delta R.T. -0.007 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

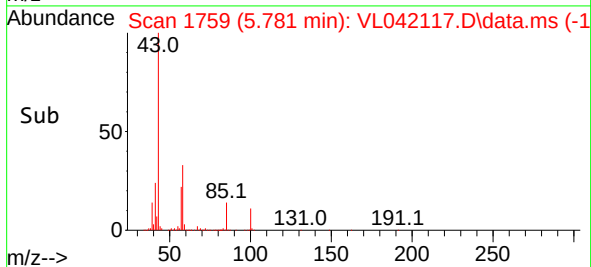
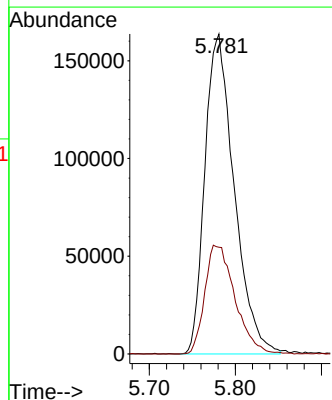
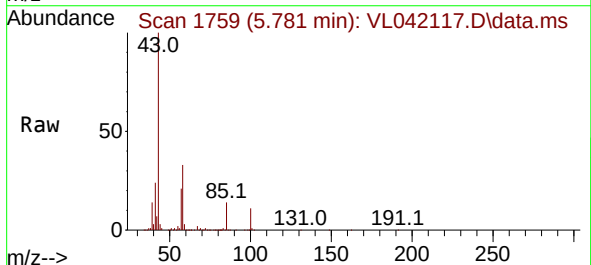
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

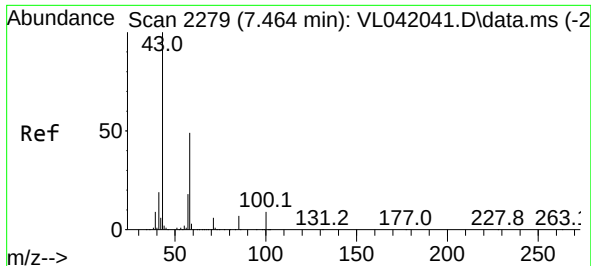
Tgt Ion:173 Resp: 201809
Ion Ratio Lower Upper
173 100
175 48.4 38.3 57.5
171 52.1 40.2 60.2



#50
4-Methyl-2-Pentanone
Concen: 9.603 ppbv
RT: 5.781 min Scan# 1759
Delta R.T. -0.007 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 43 Resp: 387370
Ion Ratio Lower Upper
43 100
58 35.1 29.3 43.9

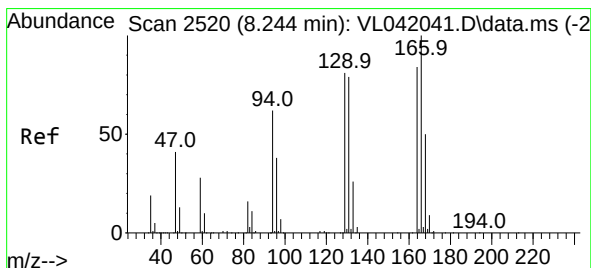
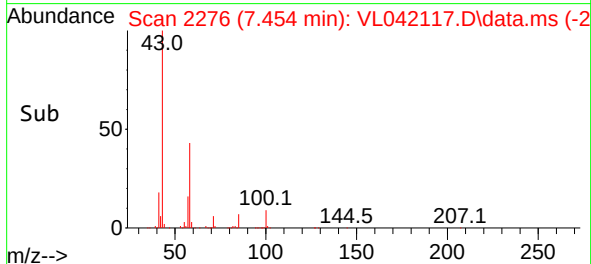
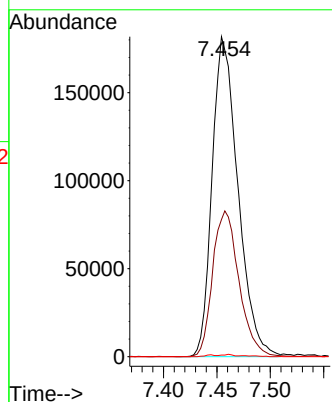
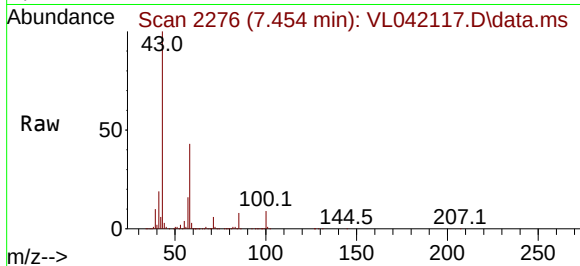




#51
2-Hexanone
Concen: 11.007 ppbv
RT: 7.454 min Scan# 2119
Delta R.T. -0.010 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

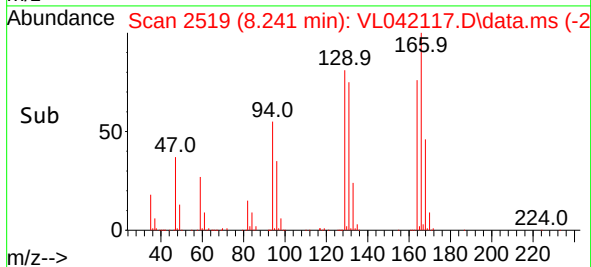
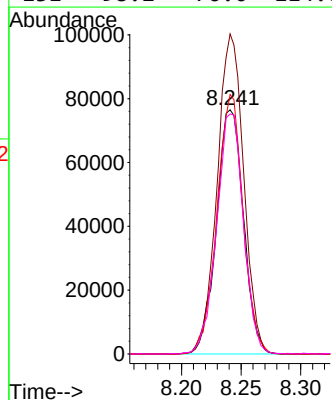
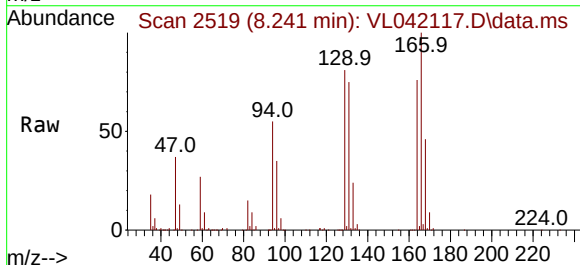
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

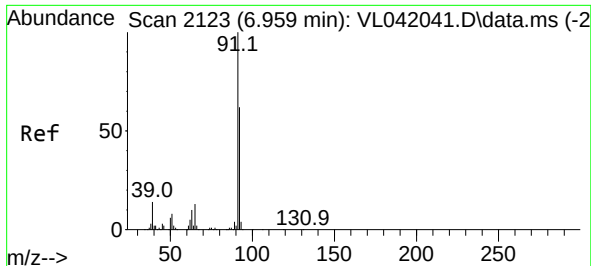
Tgt Ion: 43 Resp: 305577
Ion Ratio Lower Upper
43 100
58 46.7 39.0 58.6
98 0.8 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.398 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion:164 Resp: 120494
Ion Ratio Lower Upper
164 100
166 131.1 95.7 143.5
129 106.2 77.1 115.7
131 98.2 76.0 114.0

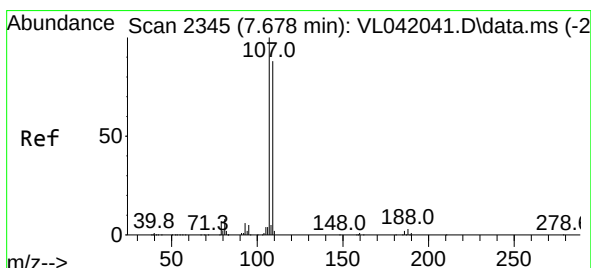
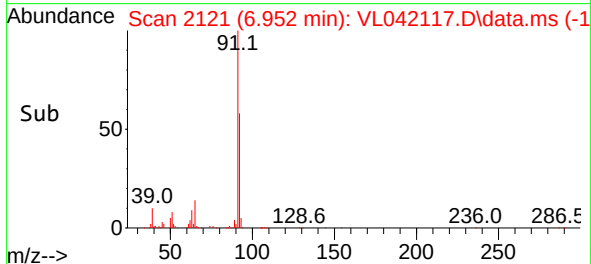
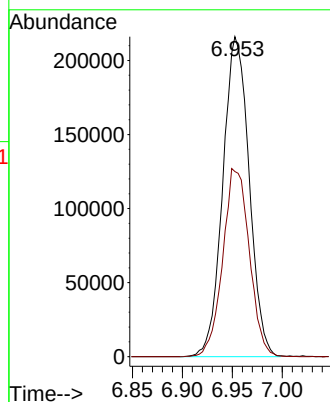
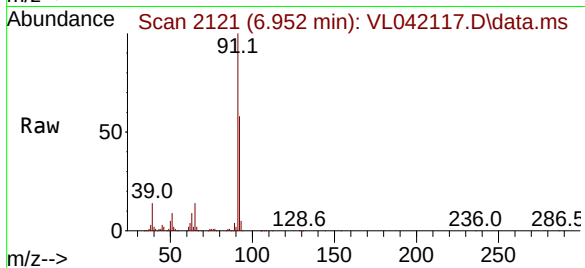




#53
Toluene
Concen: 8.456 ppbv
RT: 6.952 min Scan# 2121
Delta R.T. -0.007 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

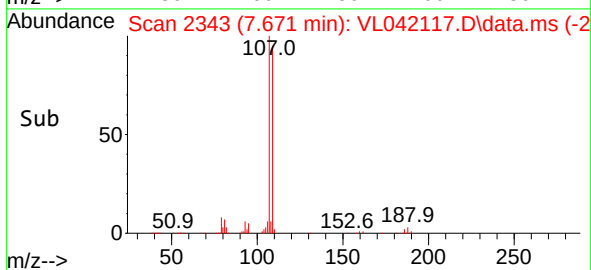
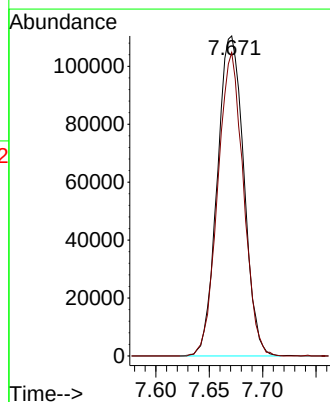
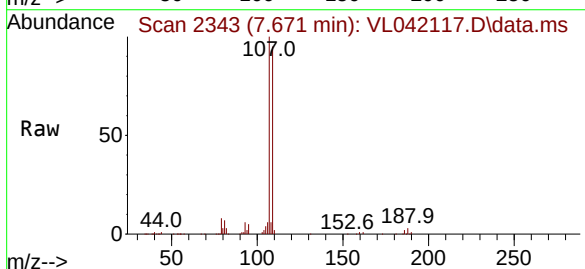
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

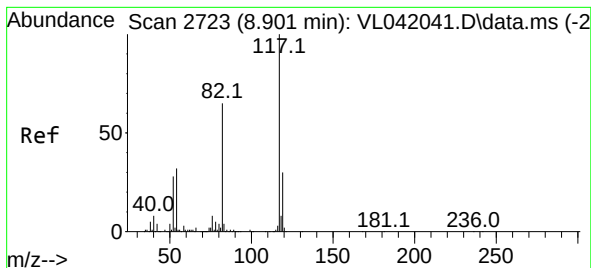
Tgt Ion: 91 Resp: 396095
Ion Ratio Lower Upper
91 100
92 59.3 49.0 73.6



#54
1,2-Dibromoethane
Concen: 8.732 ppbv
RT: 7.671 min Scan# 2343
Delta R.T. -0.007 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 107 Resp: 190659
Ion Ratio Lower Upper
107 100
109 94.8 70.2 105.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 2722

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

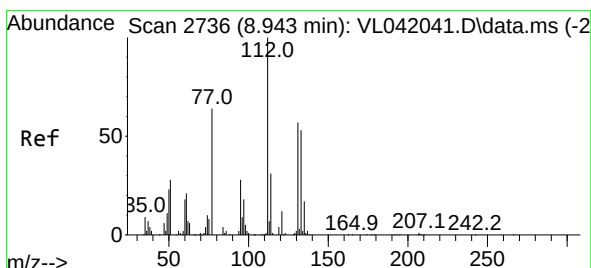
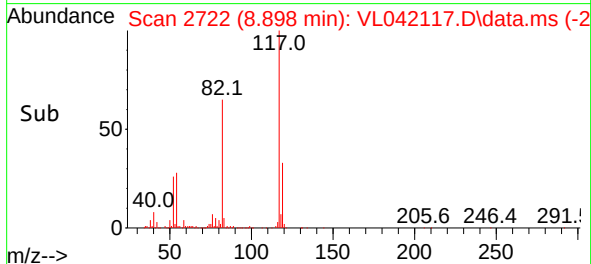
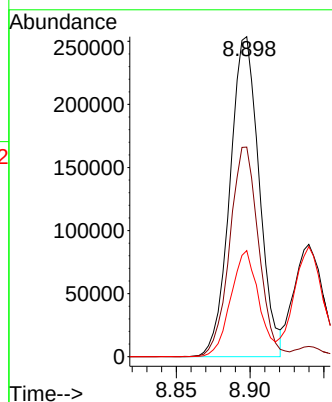
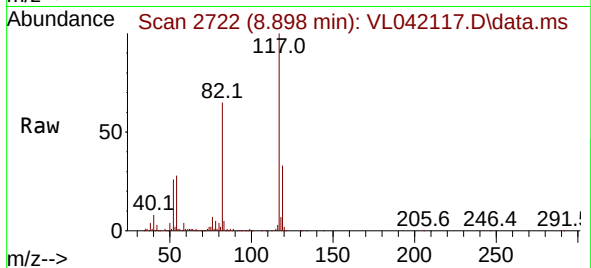
Tgt Ion:117 Resp: 350466

Ion Ratio Lower Upper

117 100

82 67.6 55.0 82.6

119 31.8 25.9 38.9



#56

1,1,1,2-Tetrachloroethane

Concen: 9.240 ppbv

RT: 8.940 min Scan# 2735

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

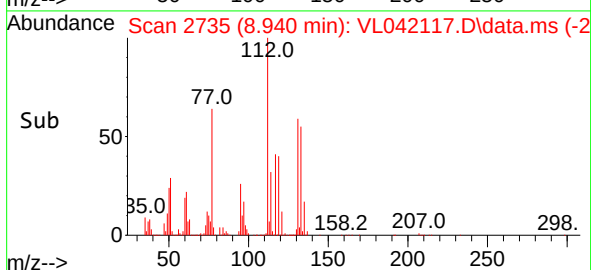
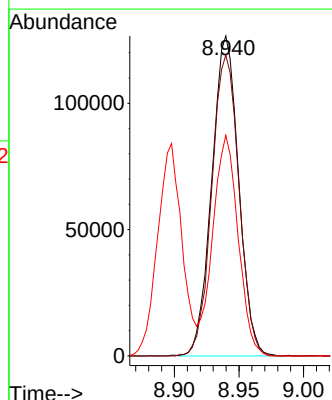
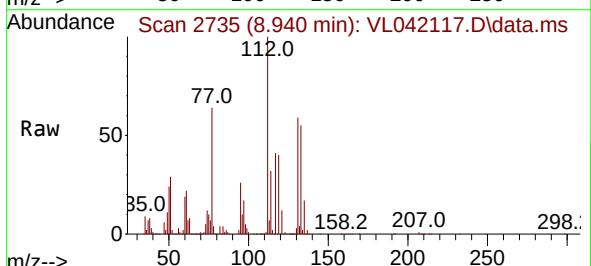
Tgt Ion:131 Resp: 183026

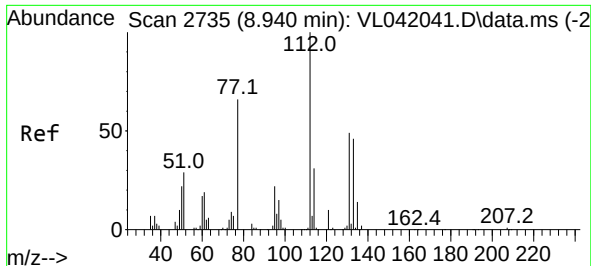
Ion Ratio Lower Upper

131 100

133 95.3 75.8 113.8

119 65.2 52.1 78.1





#57

Chlorobenzene

Concen: 9.258 ppbv

RT: 8.937 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

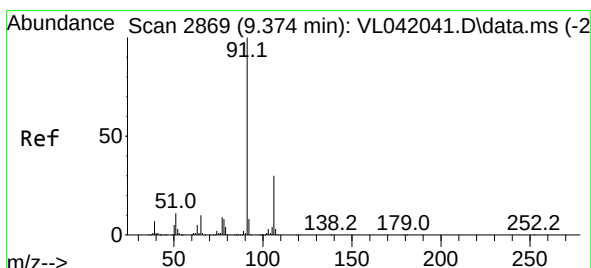
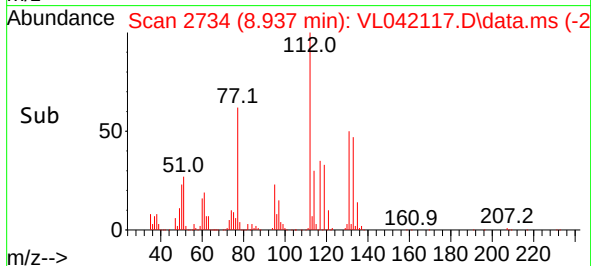
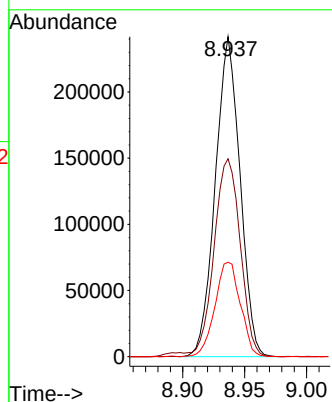
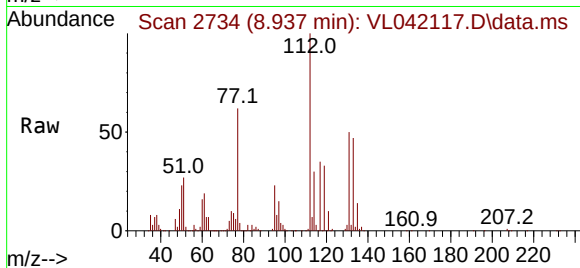
Tgt Ion:112 Resp: 336406

Ion Ratio Lower Upper

112 100

77 61.8 53.4 80.2

114 29.5 28.3 34.5



#58

Ethyl Benzene

Concen: 8.590 ppbv

RT: 9.370 min Scan# 2868

Delta R.T. -0.003 min

Lab File: VL042117.D

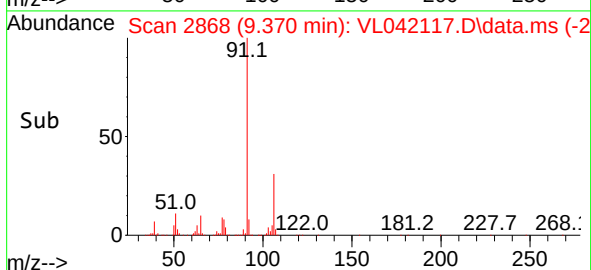
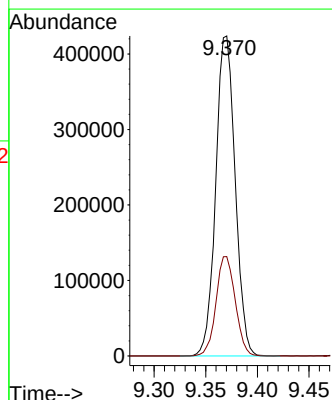
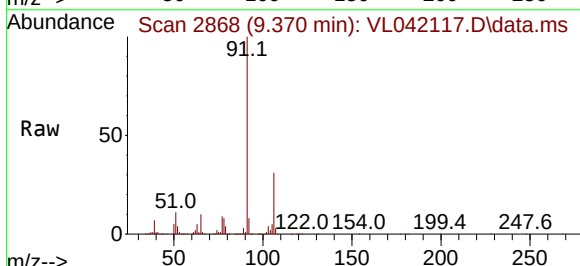
Acq: 10 Mar 2025 10:52

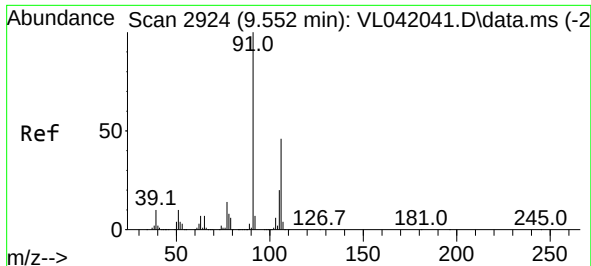
Tgt Ion: 91 Resp: 554446

Ion Ratio Lower Upper

91 100

106 31.1 24.2 36.2

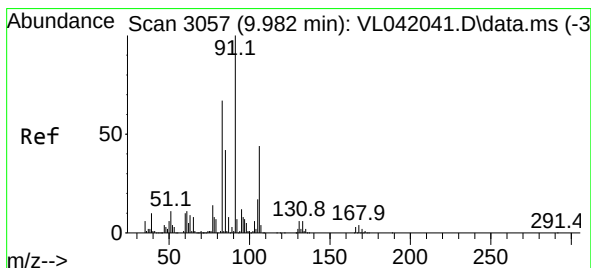
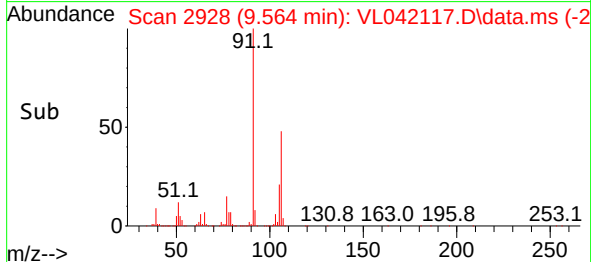
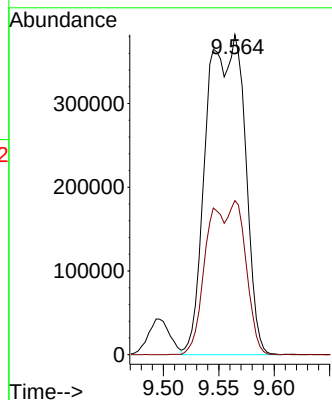
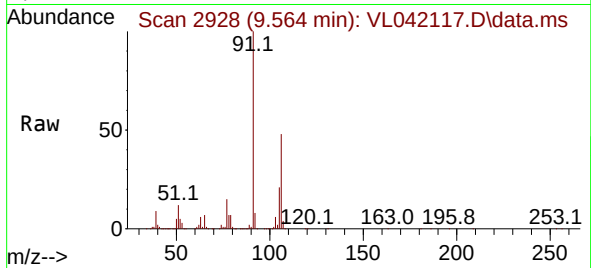




#59
m/p-Xylene
Concen: 18.022 ppbv m
RT: 9.564 min Scan# 2924
Delta R.T. 0.013 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

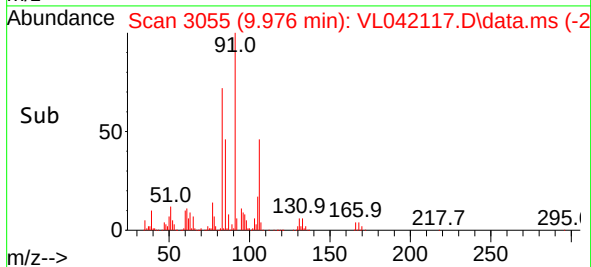
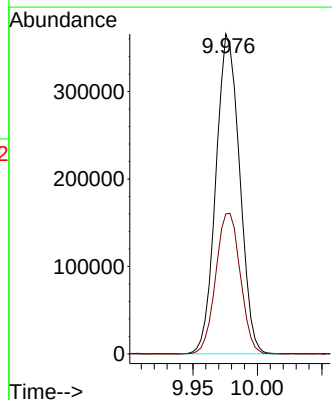
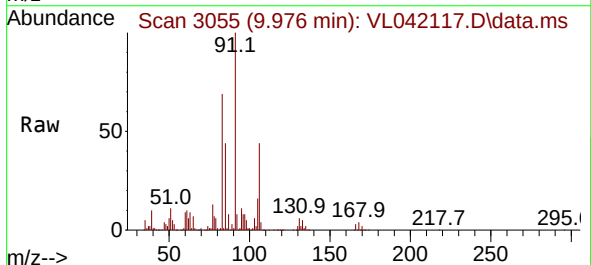
Instrument :
MSVOA_1
ClientSampleId :
VL0310ABS01

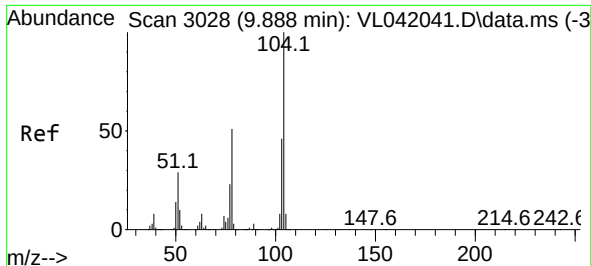
Tgt Ion: 91 Resp: 925654
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 9.052 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. -0.007 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 91 Resp: 467382
Ion Ratio Lower Upper
91 100
106 45.6 22.3 66.8

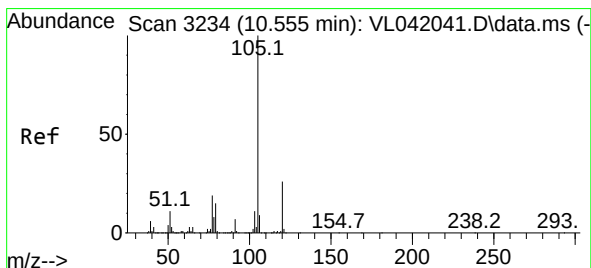
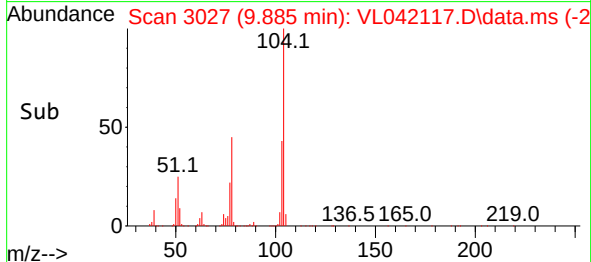
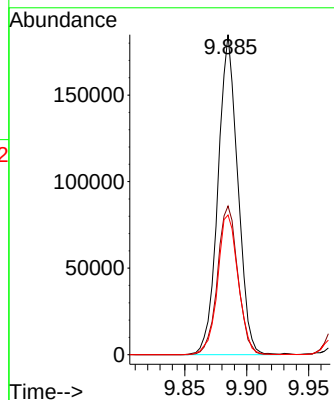
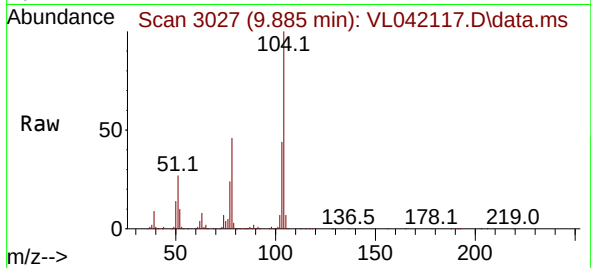




#61
Styrene
Concen: 8.469 ppbv
RT: 9.885 min Scan# 3028
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

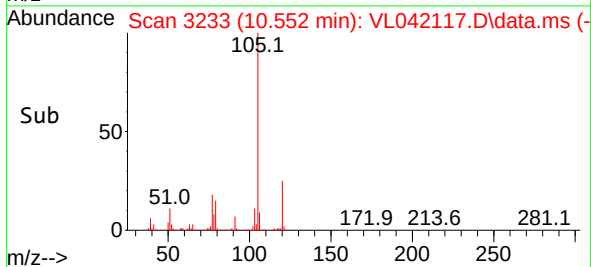
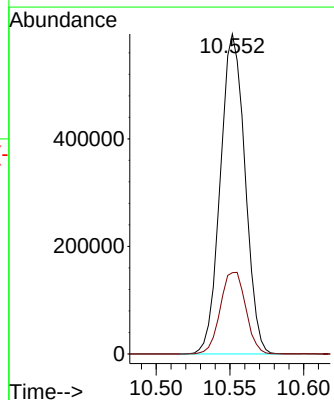
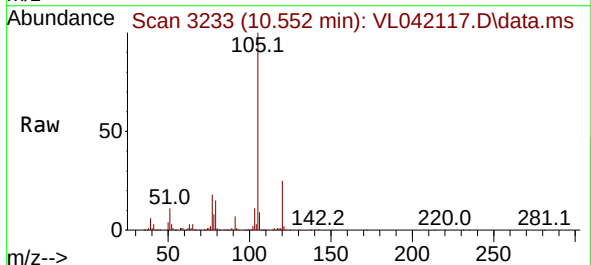
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

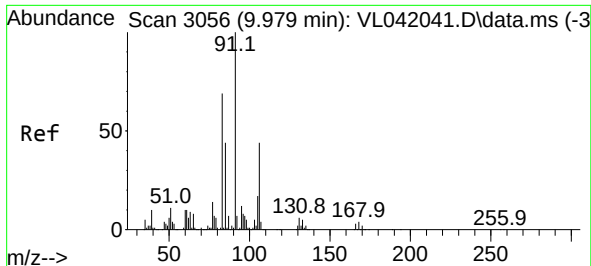
Tgt Ion:104 Resp: 205606
Ion Ratio Lower Upper
104 100
78 48.1 41.0 61.4
103 45.6 37.0 55.6



#62
Isopropylbenzene
Concen: 8.950 ppbv
RT: 10.552 min Scan# 3233
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion:105 Resp: 692094
Ion Ratio Lower Upper
105 100
120 26.4 20.7 31.1

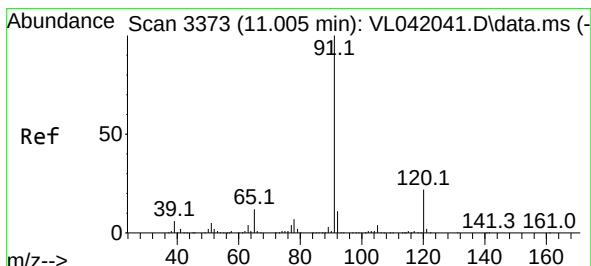
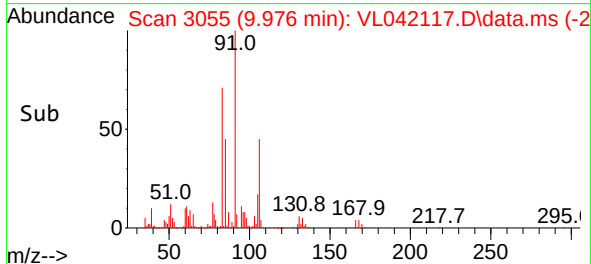
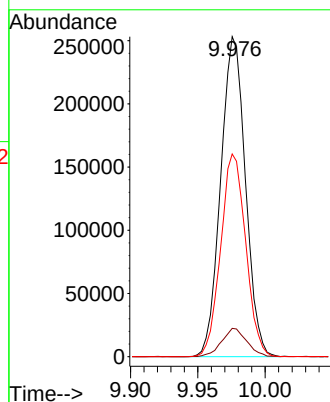
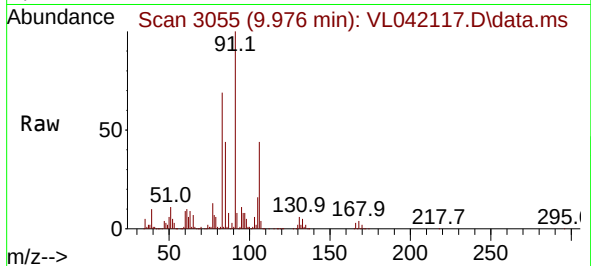




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.504 ppbv
 RT: 9.976 min Scan# 3056
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

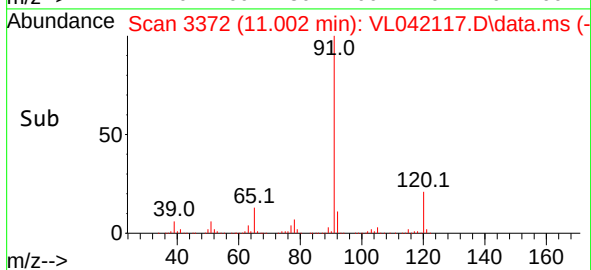
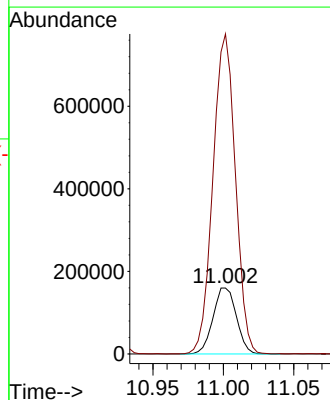
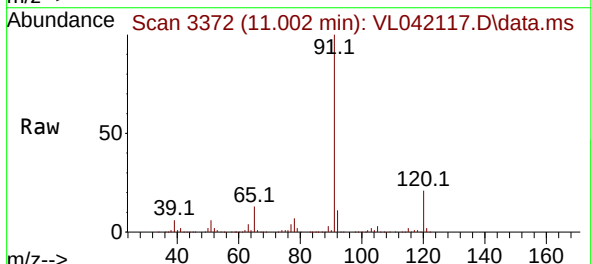
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0310ABS01

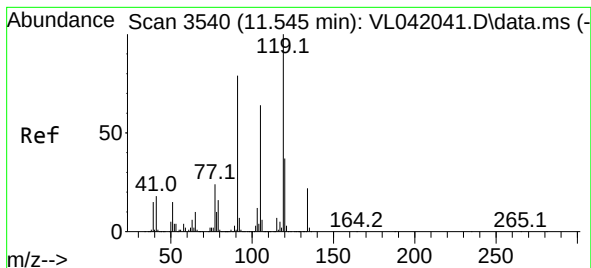
Tgt Ion: 83 Resp: 323193
 Ion Ratio Lower Upper
 83 100
 131 9.1 4.5 13.7
 85 64.0 32.1 96.3



#64
 n-propylbenzene
 Concen: 9.081 ppbv
 RT: 11.002 min Scan# 3372
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Tgt Ion: 120 Resp: 184209
 Ion Ratio Lower Upper
 120 100
 91 466.7 370.6 556.0





#65

tert-Butylbenzene

Concen: 8.814 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

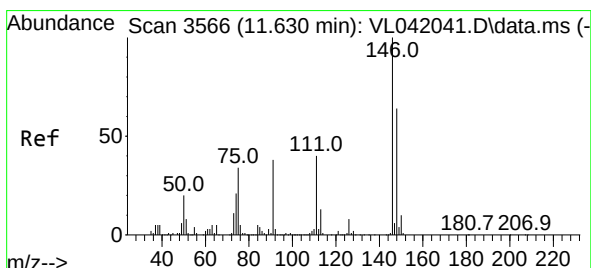
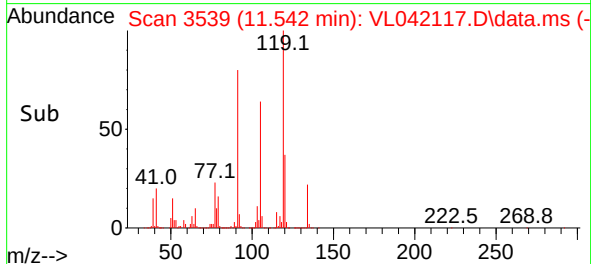
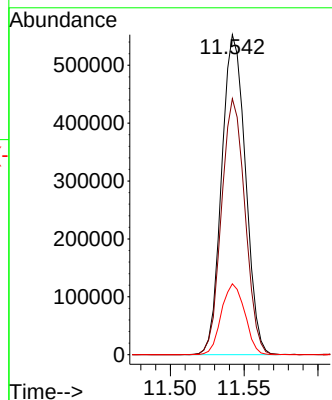
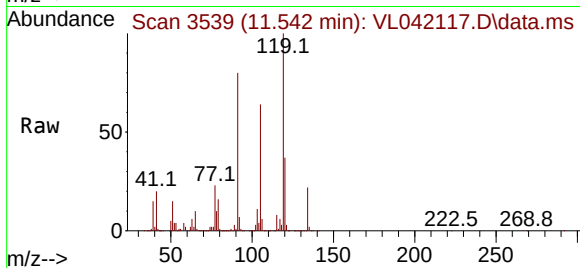
Tgt Ion:119 Resp: 620355

Ion Ratio Lower Upper

119 100

91 79.1 64.2 96.2

134 21.8 17.4 26.2



#66

Benzyl Chloride

Concen: 7.252 ppbv

RT: 11.626 min Scan# 3565

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

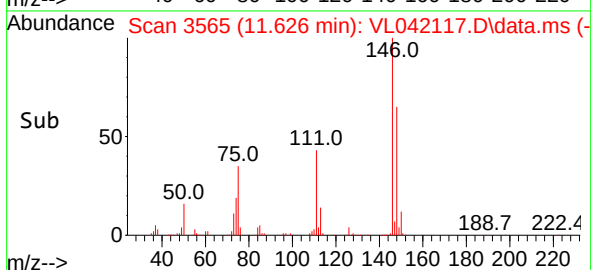
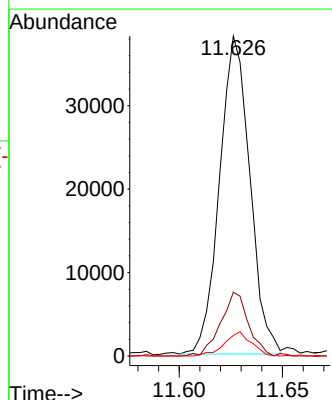
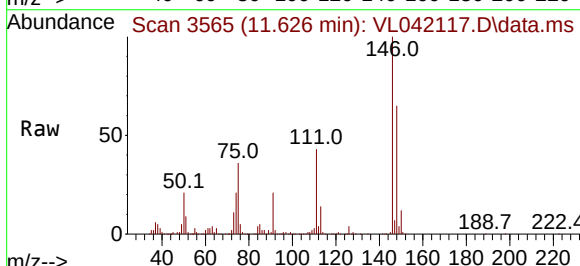
Tgt Ion: 91 Resp: 38948

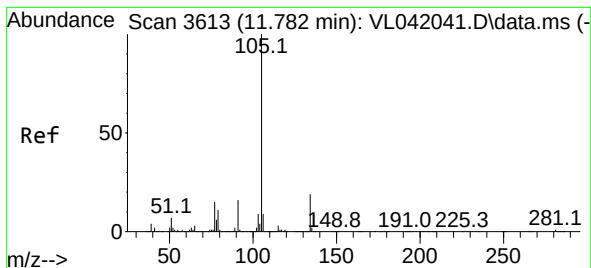
Ion Ratio Lower Upper

91 100

126 18.4 14.5 21.7

128 6.8 5.4 8.2





#67

sec-Butylbenzene

Concen: 8.942 ppbv

RT: 11.778 min Scan# 3612

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

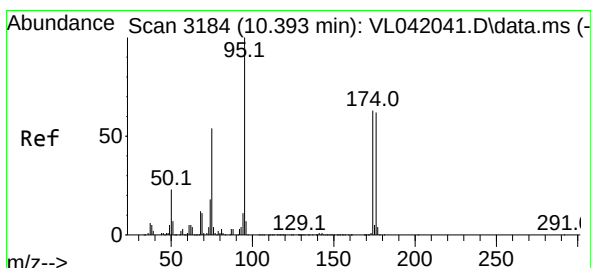
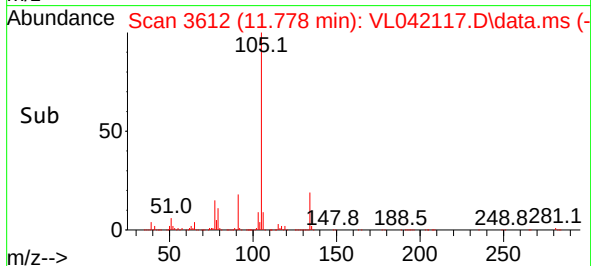
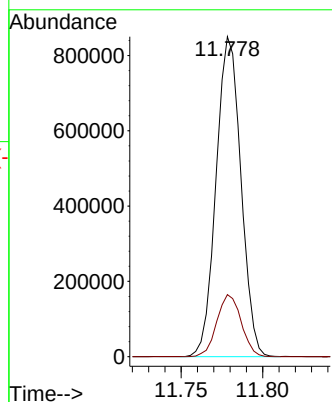
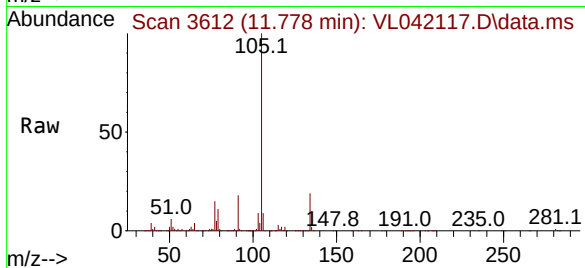
VL0310ABS01

Tgt Ion:105 Resp: 900003

Ion Ratio Lower Upper

105 100

134 19.1 14.9 22.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.641 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. -0.007 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

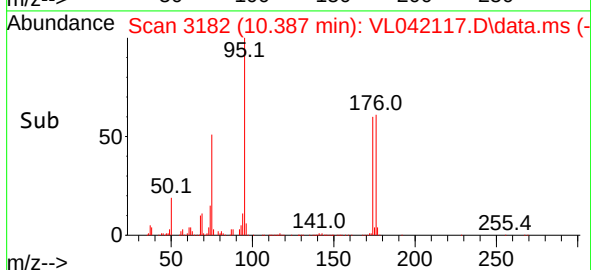
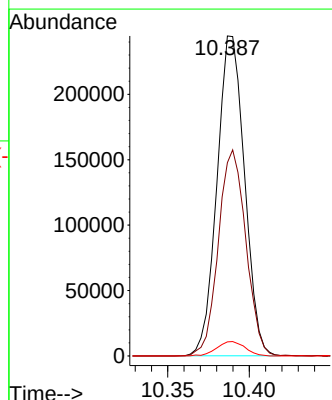
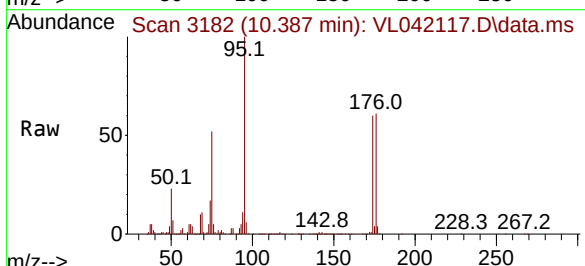
Tgt Ion: 95 Resp: 286905

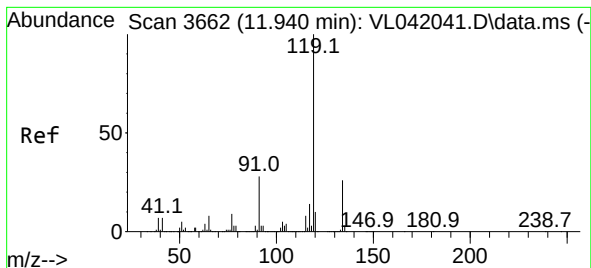
Ion Ratio Lower Upper

95 100

174 64.6 51.8 77.6

175 4.7 3.9 5.9

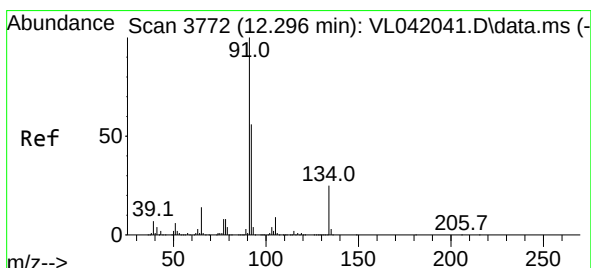
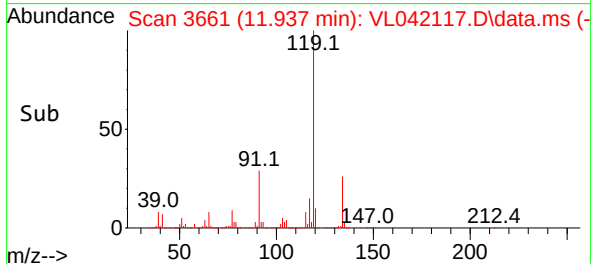
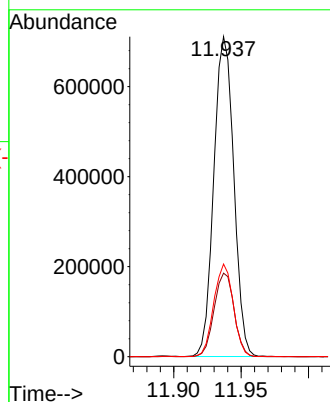
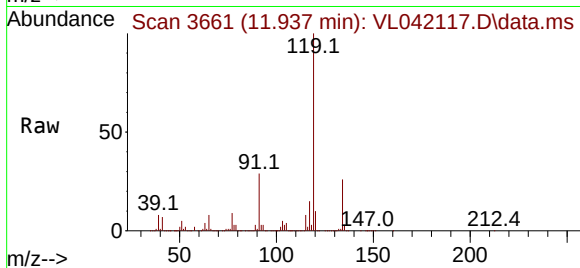




#69
p-Isopropyltoluene
Concen: 9.145 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

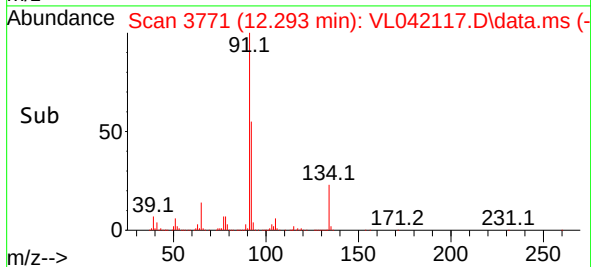
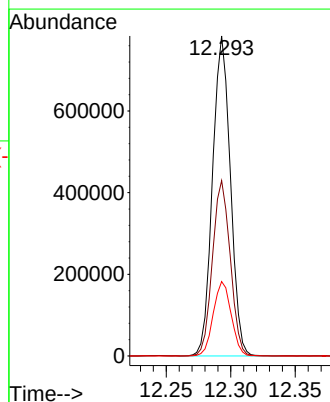
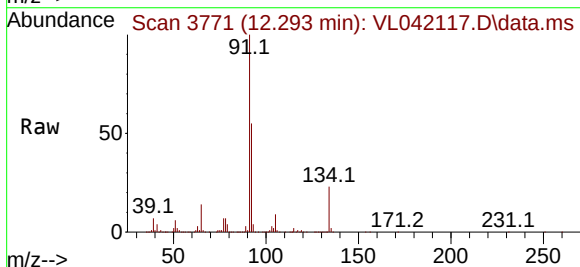
Instrument :
MSVOA_1
ClientSampleId :
VL0310ABS01

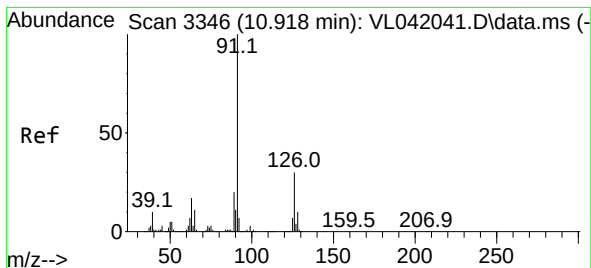
Tgt Ion:119 Resp: 732332
Ion Ratio Lower Upper
119 100
134 26.3 20.9 31.3
91 28.3 23.1 34.7



#70
n-Butylbenzene
Concen: 9.208 ppbv
RT: 12.293 min Scan# 3771
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 91 Resp: 752707
Ion Ratio Lower Upper
91 100
92 54.6 44.7 67.1
134 23.4 18.9 28.3

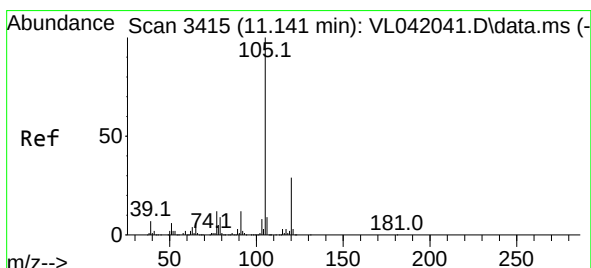
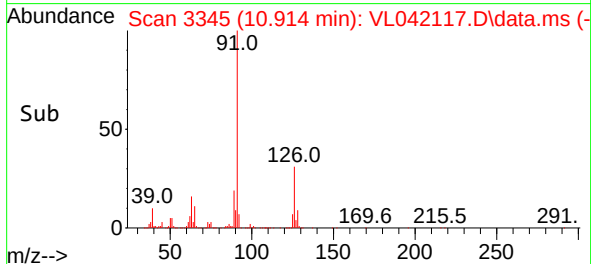
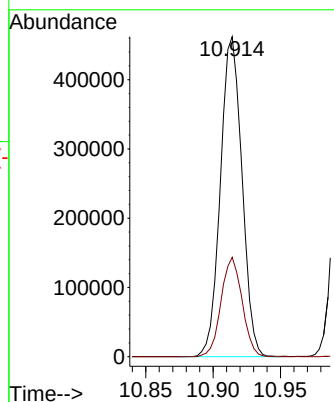
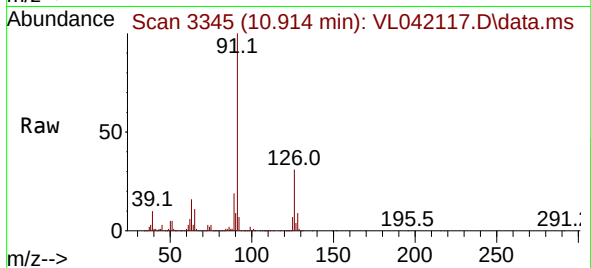




#71
2-Chlorotoluene
Concen: 8.624 ppbv
RT: 10.914 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

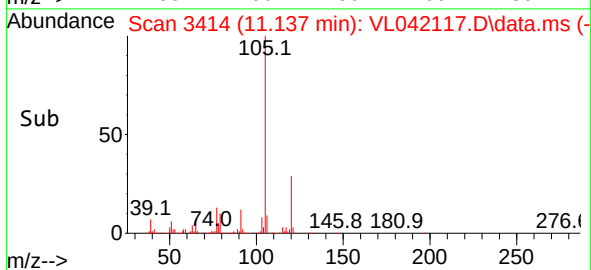
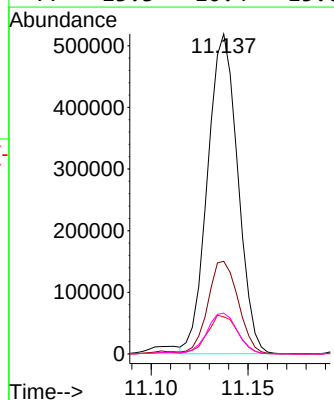
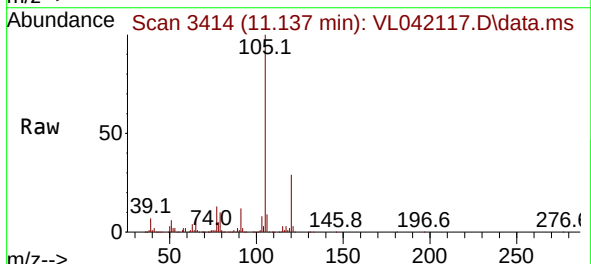
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

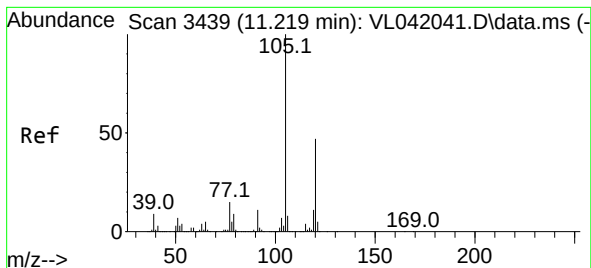
Tgt Ion: 91 Resp: 514130
Ion Ratio Lower Upper
91 100
126 30.3 11.9 47.5



#72
4-Ethyltoluene
Concen: 8.919 ppbv
RT: 11.137 min Scan# 3414
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion: 105 Resp: 562308
Ion Ratio Lower Upper
105 100
120 30.0 24.1 36.1
91 12.7 10.2 15.4
77 13.3 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 8.795 ppbv

RT: 11.215 min Scan# 3439

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_1

ClientSampleId :

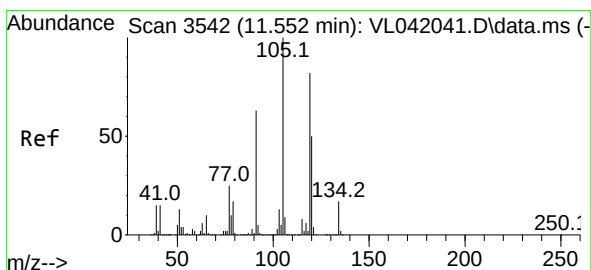
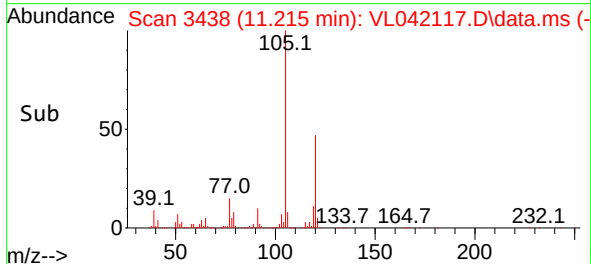
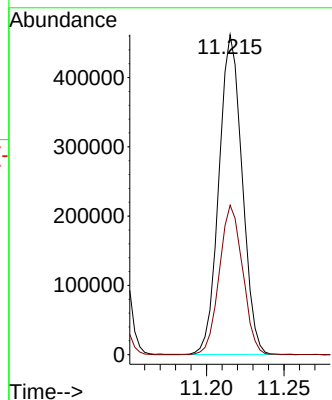
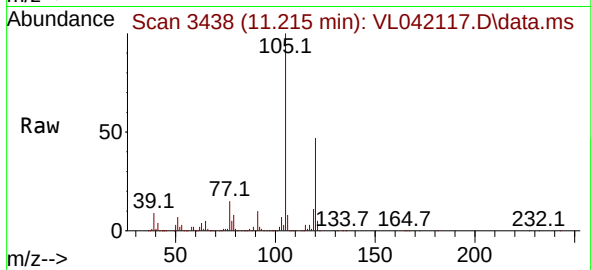
VL0310ABS01

Tgt Ion:105 Resp: 480973

Ion Ratio Lower Upper

105 100

120 46.7 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 8.747 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Tgt Ion:105 Resp: 538676

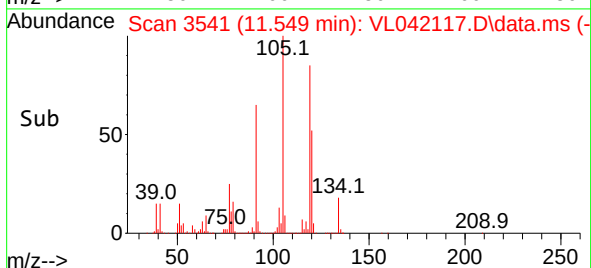
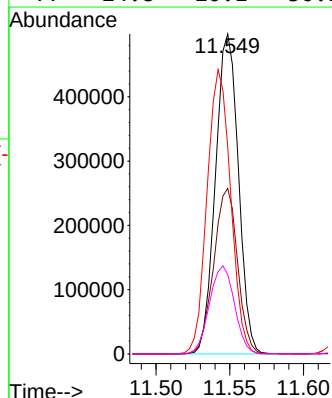
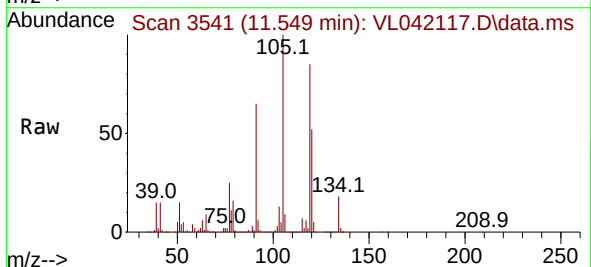
Ion Ratio Lower Upper

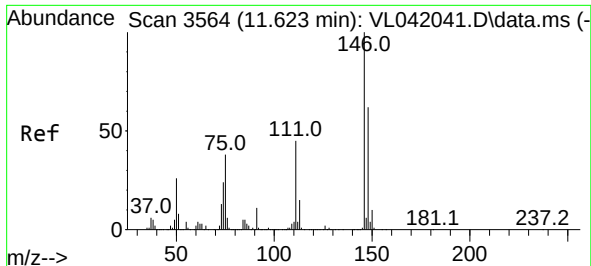
105 100

120 51.7 40.2 60.2

91 64.7 51.4 77.2

77 24.8 20.1 30.1

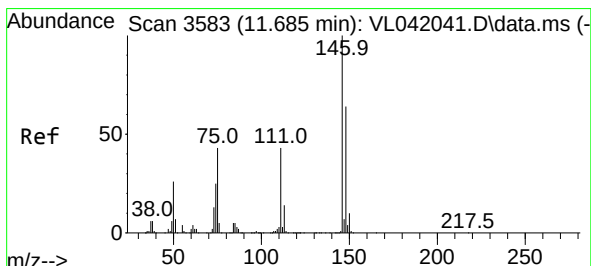
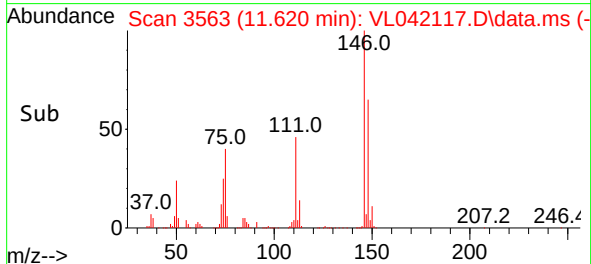
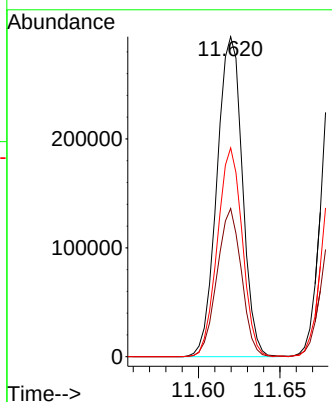
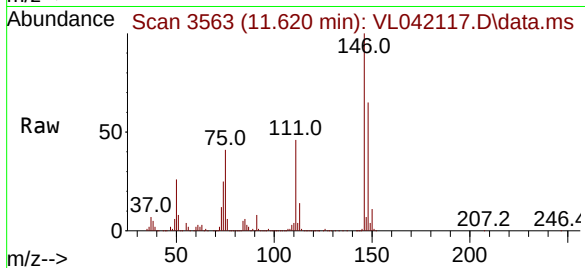




#75
1,3-Dichlorobenzene
Concen: 9.000 ppbv
RT: 11.620 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

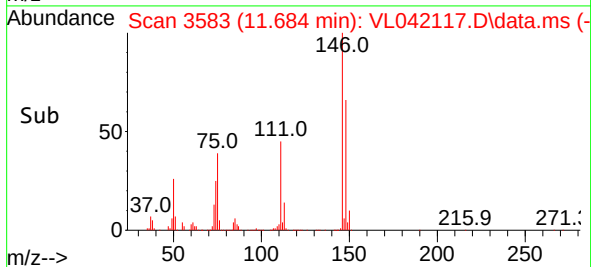
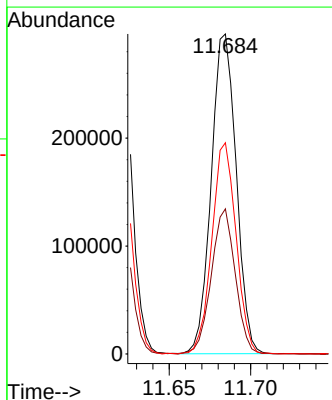
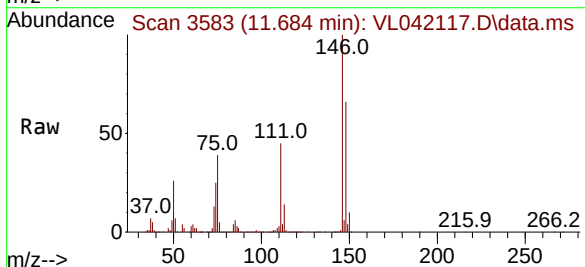
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

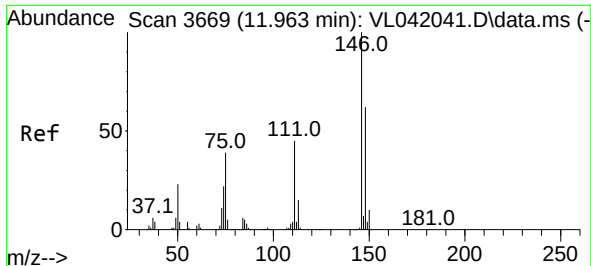
Tgt Ion:146 Resp: 318968
Ion Ratio Lower Upper
146 100
111 44.5 22.4 67.2
148 63.8 32.3 96.8



#76
1,4-Dichlorobenzene
Concen: 8.976 ppbv
RT: 11.684 min Scan# 3583
Delta R.T. -0.000 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion:146 Resp: 315833
Ion Ratio Lower Upper
146 100
111 43.6 21.5 64.5
148 64.2 31.6 95.0

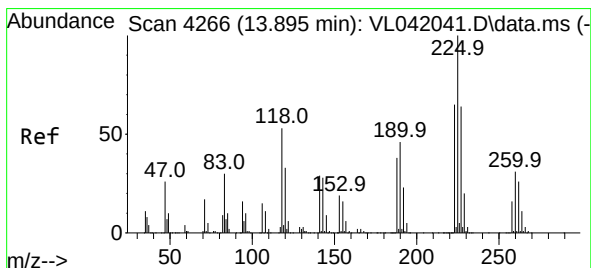
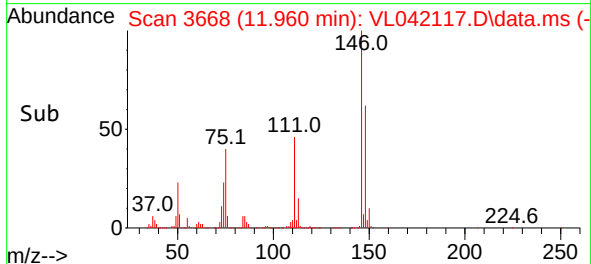
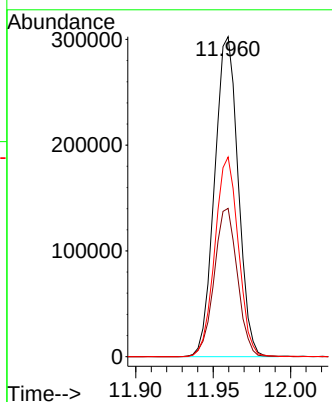
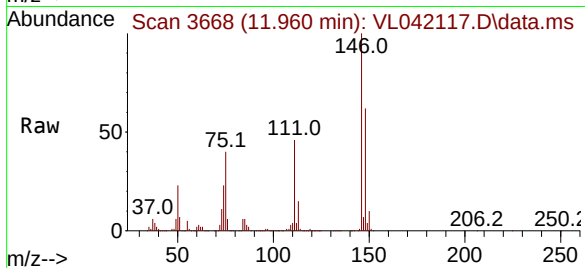




#77
1,2-Dichlorobenzene
Concen: 9.299 ppbv
RT: 11.960 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

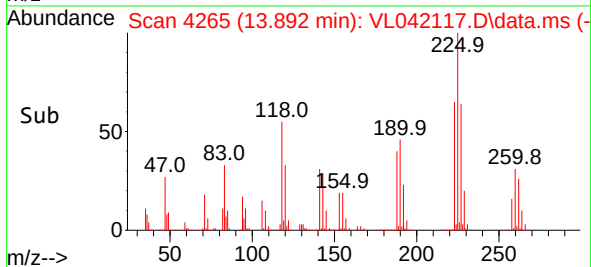
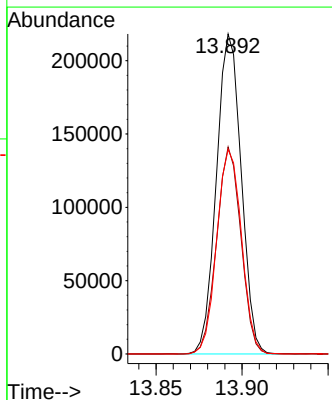
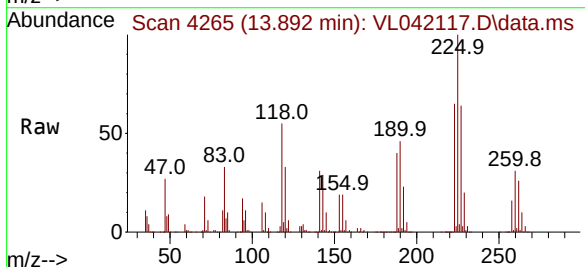
Instrument :
MSVOA_L
ClientSampleId :
VL0310ABS01

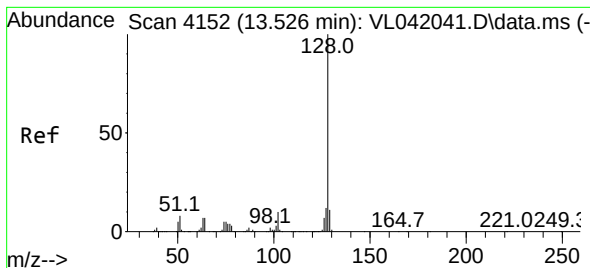
Tgt Ion:146 Resp: 319838
Ion Ratio Lower Upper
146 100
111 45.9 23.2 69.6
148 62.3 31.4 94.2



#78
Hexachloro-1,3-Butadiene
Concen: 8.187 ppbv
RT: 13.892 min Scan# 4265
Delta R.T. -0.003 min
Lab File: VL042117.D
Acq: 10 Mar 2025 10:52

Tgt Ion:225 Resp: 219090
Ion Ratio Lower Upper
225 100
223 63.3 50.2 75.2
227 63.8 50.8 76.2





#79

Naphthalene

Concen: 11.191 ppbv

RT: 13.523 min Scan# 4151

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

Instrument :

MSVOA_L

ClientSampleId :

VL0310ABS01

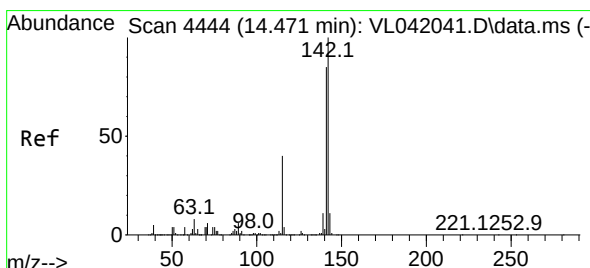
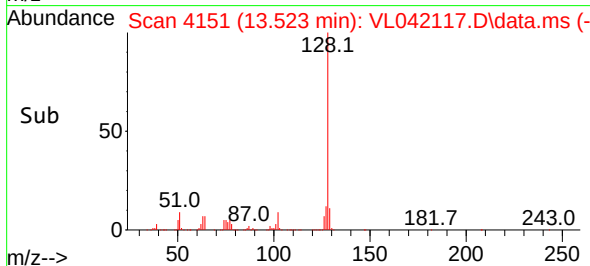
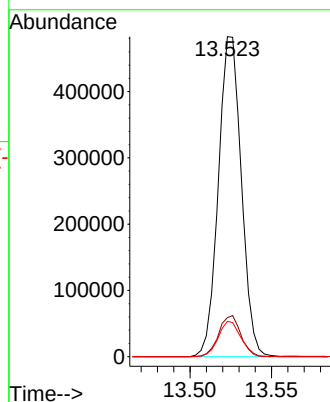
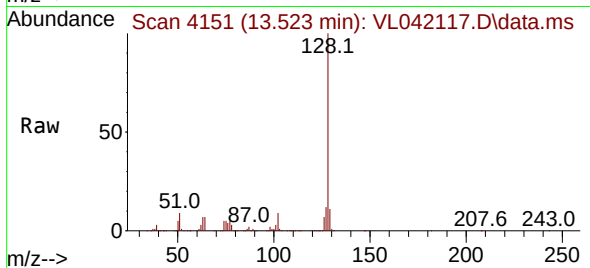
Tgt Ion:128 Resp: 472554

Ion Ratio Lower Upper

128 100

127 12.2 9.8 14.6

129 11.0 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 13.304 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. -0.003 min

Lab File: VL042117.D

Acq: 10 Mar 2025 10:52

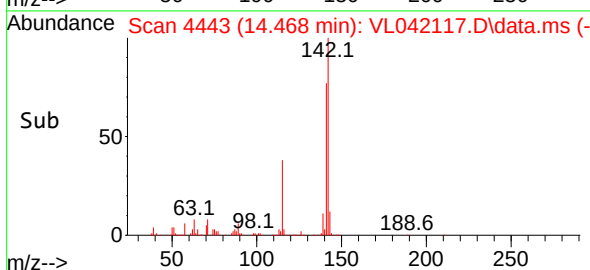
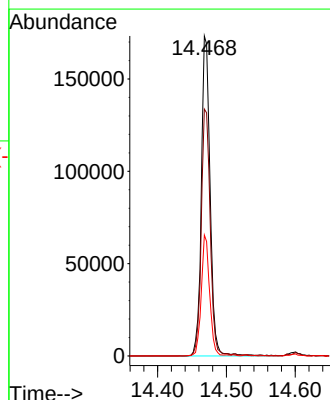
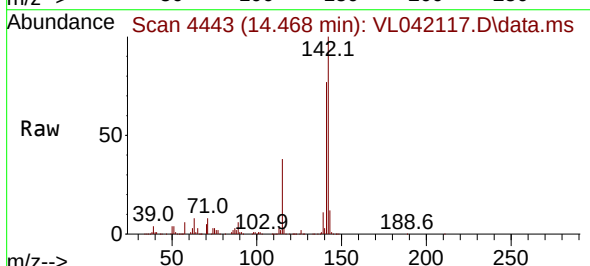
Tgt Ion:142 Resp: 153727

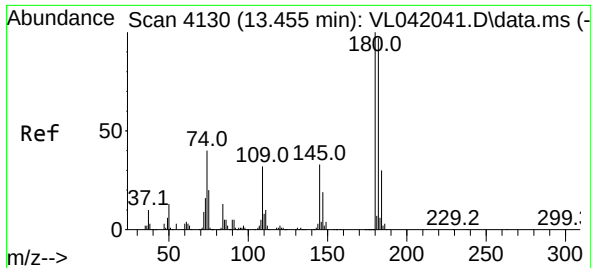
Ion Ratio Lower Upper

142 100

141 79.2 65.8 98.6

115 36.3 29.5 44.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.949 ppbv
 RT: 13.452 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042117.D
 Acq: 10 Mar 2025 10:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0310ABS01

Tgt Ion:180 Resp: 210585
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.1 112.7
 184 29.9 23.8 35.6

