

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041089.D
 Acq On : 11 Mar 2024 16:12
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL031124

Quant Time: Mar 12 06:43:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 06:25:15 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1503683	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	4019042	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3830395	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2885444	9.635	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	2630037	9.179	ppbv	99
3) Chlorodifluoromethane	2.674	51	2056605	9.312	ppbv	100
4) Chloromethane	2.816	50	782069	9.357	ppbv	98
5) Vinyl Chloride	2.922	62	822162	9.667	ppbv	98
6) Bromomethane	3.121	94	331667	9.833	ppbv	91
7) Chloroethane	3.198	64	277515	9.396	ppbv	99
8) Dichlorotetrafluoroethane	2.858	85	1956477	9.403	ppbv	99
9) Propene	2.697	41	700788	9.529	ppbv	98
10) Heptane	7.591	43	1795164	10.201	ppbv	99
11) Trichlorofluoromethane	3.568	101	2032573	9.199	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1462896	9.006	ppbv	98
13) Ethanol	3.243	45	143464	7.320	ppbv	90
14) Bromoethene	3.369	108	615400	9.716	ppbv	100
15) Acetone	3.472	43	1413686	8.252	ppbv	99
16) 1,3-Butadiene	2.989	39	748595	9.633	ppbv	97
17) tert-Butyl alcohol	3.886	59	1320931	10.414	ppbv	98
18) 1,1-Dichloroethene	3.886	96	658767	9.291	ppbv	99
19) Isopropyl Alcohol	3.578	45	935450	10.223	ppbv #	97
20) Methylene Chloride	3.938	84	548972	8.220	ppbv	97
21) Allyl Chloride	4.002	41	978822	10.116	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	884546	10.687	ppbv	98
23) Vinyl Acetate	4.636	43	2198146	11.339	ppbv	98
24) 1,1-Dichloroethane	4.571	63	1780029	10.164	ppbv	100
25) Ethyl Acetate	5.211	43	3089652	10.011	ppbv	99
26) Hexane	5.224	57	1347553	9.769	ppbv	99
27) Carbon Disulfide	4.131	76	1737681	10.508	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	1312478	10.761	ppbv	100
29) Chloroform	5.285	83	2233207	9.507	ppbv	96
30) Cyclohexane	6.616	84	1159612	10.145	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	1393574	10.378	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	2242619	10.541	ppbv	98
34) 2-Butanone	4.793	43	1935748	9.728	ppbv	98
35) Carbon Tetrachloride	6.507	117	2344673	9.983	ppbv	99
36) Benzene	6.385	78	2883705	9.639	ppbv	98
37) 1,2-Dichloroethane	5.819	62	1667934	9.267	ppbv	98
38) Trichloroethene	7.304	130	1102648	10.148	ppbv	98
39) 1,2-Dichloropropane	7.086	63	1118206	9.344	ppbv	95
40) 1,4-Dioxane	7.295	88	439124	9.320	ppbv #	1
41) Tetrahydrofuran	5.565	42	1187276	10.025	ppbv	98
42) Bromodichloromethane	7.263	83	2493440	9.670	ppbv	99
43) Methyl Methacrylate	7.488	69	1210685	10.462	ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	4678554	9.365	ppbv	99
45) t-1,3-Dichloropropene	8.726	75	926735	11.634	ppbv	99

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

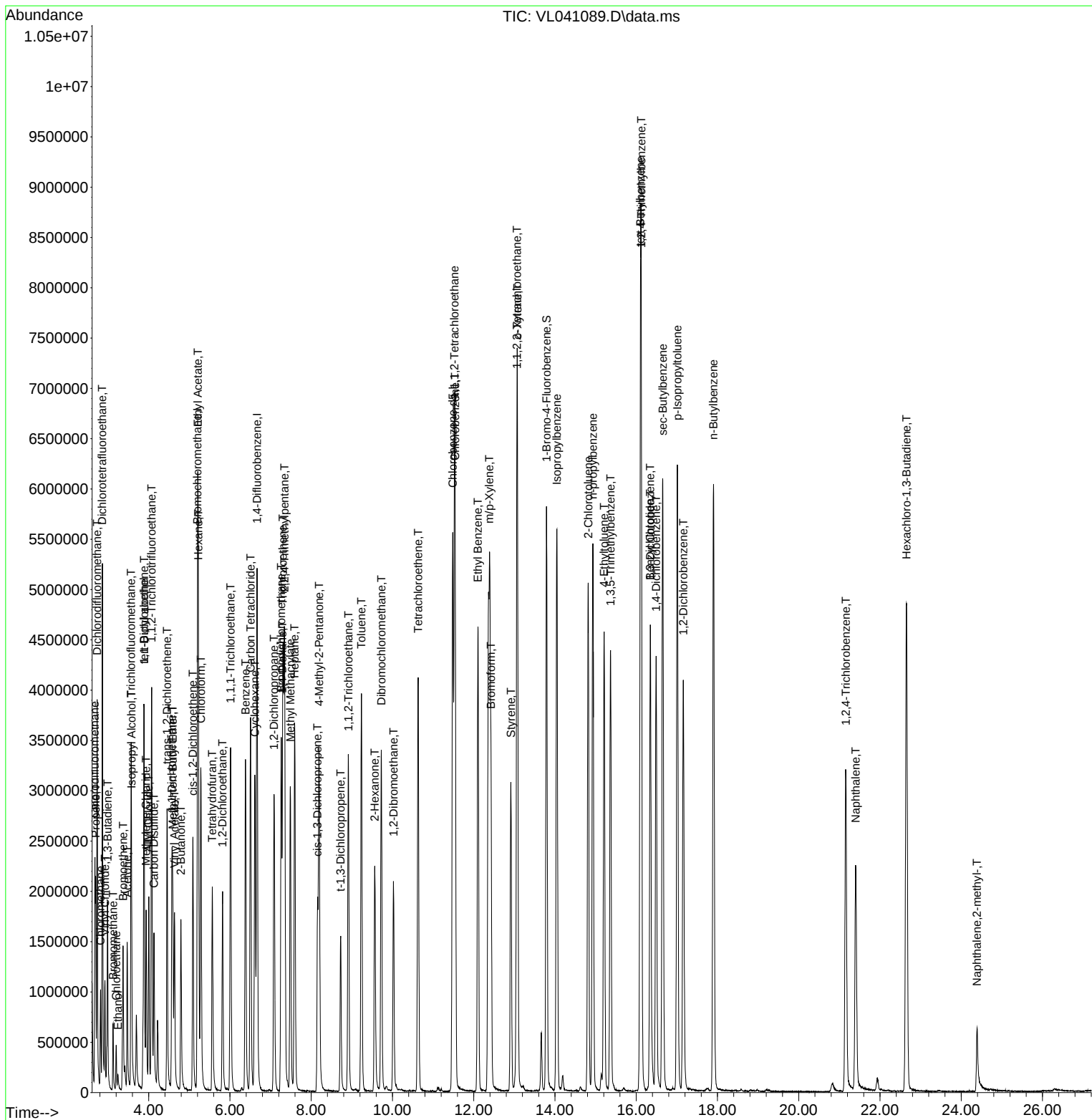
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 ClientSampleId :
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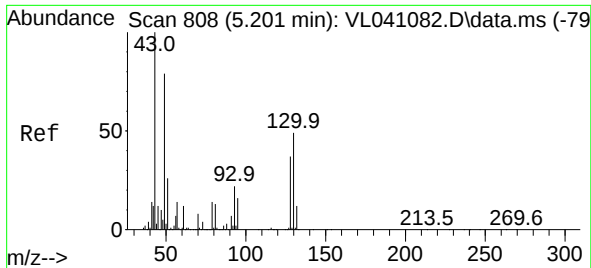
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 06:25:15 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1100087	10.997	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	535988	4.199	ppbv	95
48) Dibromochloromethane	9.726	129	2125088	10.214	ppbv	99
49) Bromoform	12.426	173	1702364	10.287	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	2921078	9.953	ppbv	100
51) 2-Hexanone	9.565	43	2127711	9.897	ppbv #	98
52) Tetrachloroethene	10.632	164	990837	10.678	ppbv	97
53) Toluene	9.237	91	3316203	10.284	ppbv	100
54) 1,2-Dibromoethane	10.025	107	1740073	10.600	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	1527461	9.320	ppbv	96
57) Chlorobenzene	11.545	112	2541859	9.414	ppbv	97
58) Ethyl Benzene	12.105	91	4405511	9.824	ppbv	98
59) m/p-Xylene	12.385	91	3964494	10.071	ppbv #	40
60) o-Xylene	13.076	91	3505833	9.380	ppbv	99
61) Styrene	12.915	104	1892175	11.211	ppbv	99
62) Isopropylbenzene	14.044	105	5194945	9.356	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	2593193	9.231	ppbv	99
64) n-propylbenzene	14.934	120	1369823	9.805	ppbv	94
65) tert-Butylbenzene	16.105	119	4523476	9.374	ppbv	98
66) Benzyl Chloride	16.346	91	352043	10.767	ppbv	99
67) sec-Butylbenzene	16.654	105	6413876	9.240	ppbv	99
69) p-Isopropyltoluene	17.011	119	5232726	9.664	ppbv	99
70) n-Butylbenzene	17.902	91	5537161	9.462	ppbv	100
71) 2-Chlorotoluene	14.819	91	4029829	9.489	ppbv	98
72) 4-Ethyltoluene	15.211	105	4125791	10.026	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	3565254	9.790	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	3886264	9.344	ppbv	97
75) 1,3-Dichlorobenzene	16.346	146	2275290	9.579	ppbv	100
76) 1,4-Dichlorobenzene	16.491	146	2207419	9.224	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	2204431	9.498	ppbv	99
78) Hexachloro-1,3-Butadiene	22.654	225	1346900	8.243	ppbv	100
79) Naphthalene	21.403	128	2964674	12.309	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	601065	15.568	ppbv	95
81) 1,2,4-Trichlorobenzene	21.159	180	1456599	10.502	ppbv	99

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

Quant Time: Mar 12 06:43:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
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QLast Update : Tue Mar 12 06:25:15 2024
Response via : Initial Calibration

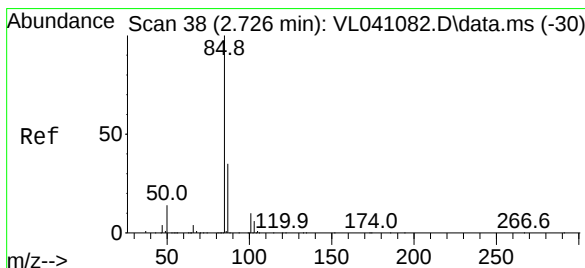
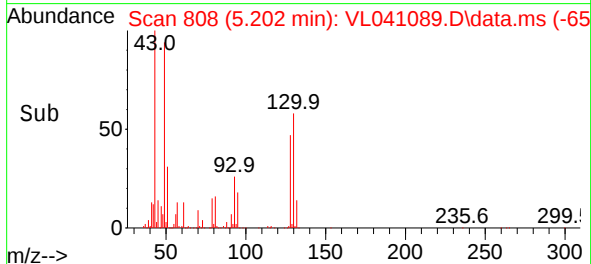
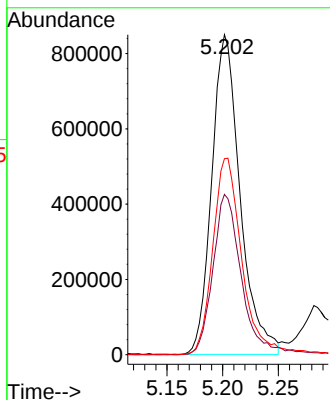
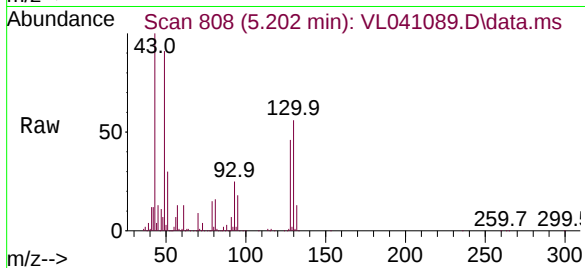




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.202 min Scan# 80
 Delta R.T. 0.001 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

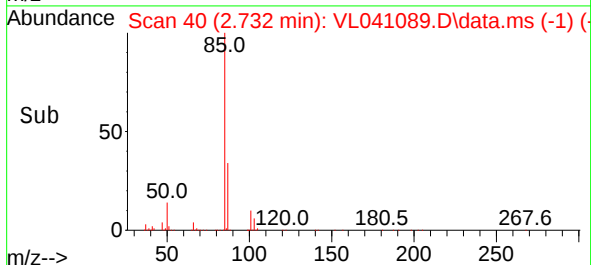
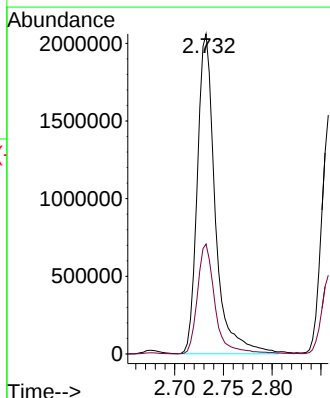
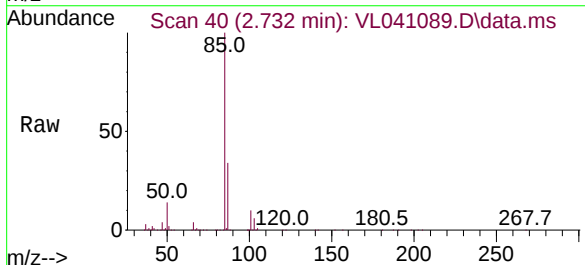
Instrument :
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 ClientSampleId :
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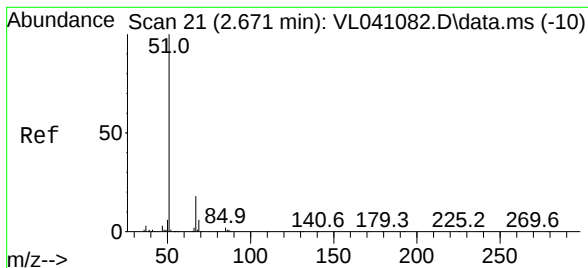
Tgt Ion: 49 Resp: 1503683
 Ion Ratio Lower Upper
 49 100
 128 51.2 23.8 71.5
 130 63.8 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 9.179 ppbv
 RT: 2.732 min Scan# 40
 Delta R.T. 0.007 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

Tgt Ion: 85 Resp: 2630037
 Ion Ratio Lower Upper
 85 100
 87 34.3 28.1 42.1

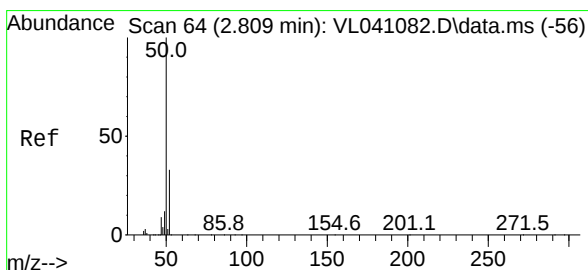
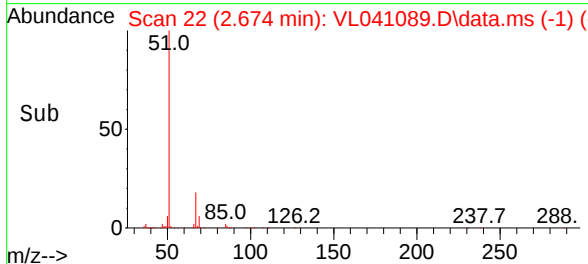
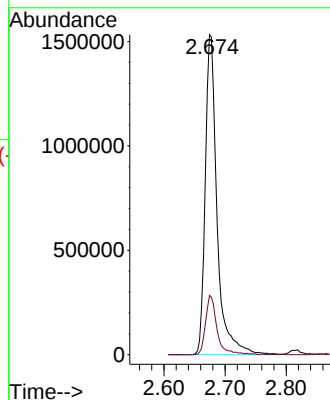
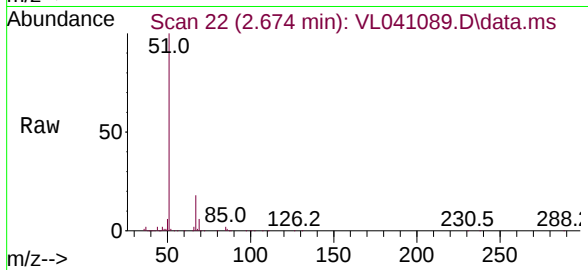




#3
Chlorodifluoromethane
Concen: 9.312 ppbv
RT: 2.674 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

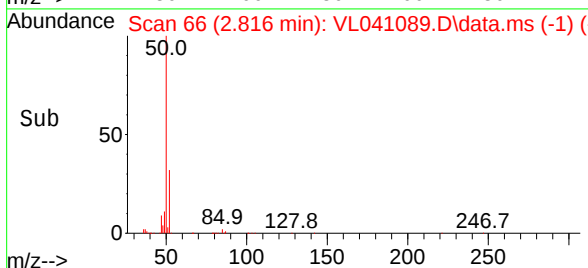
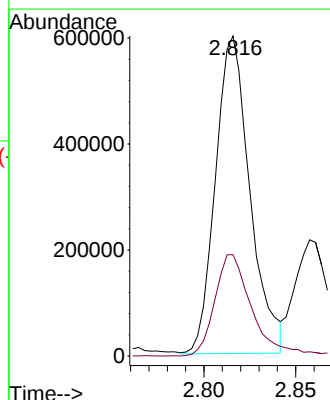
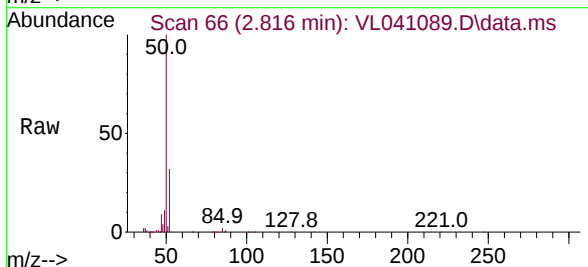
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ClientSampleId :
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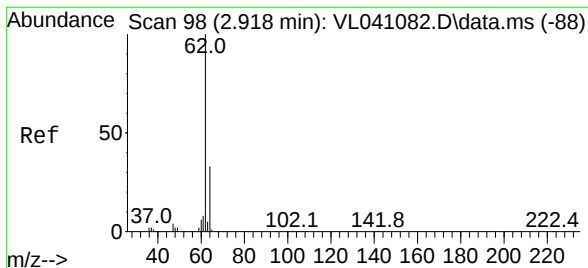
Tgt Ion: 51 Resp: 2056605
Ion Ratio Lower Upper
51 100
67 18.2 14.5 21.7



#4
Chloromethane
Concen: 9.357 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.007 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion: 50 Resp: 782069
Ion Ratio Lower Upper
50 100
52 32.0 26.6 40.0

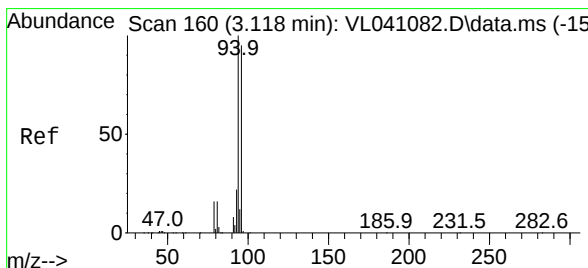
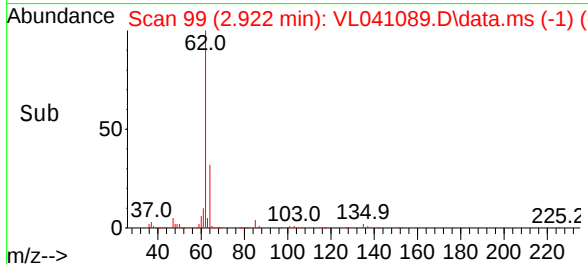
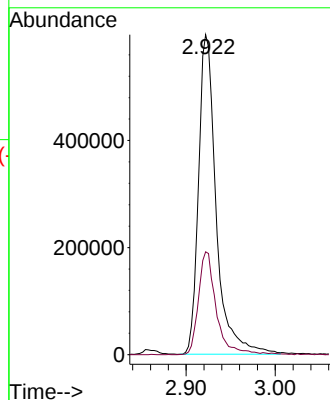
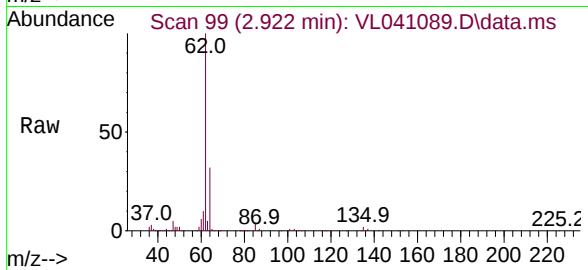




#5
 Vinyl Chloride
 Concen: 9.667 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.003 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

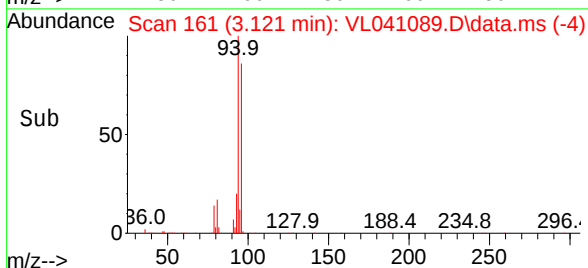
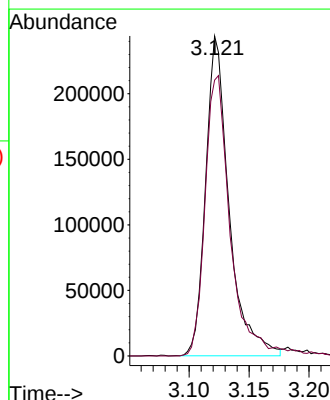
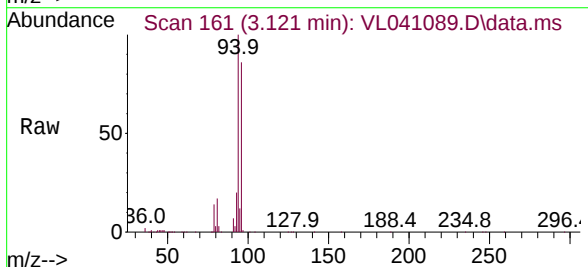
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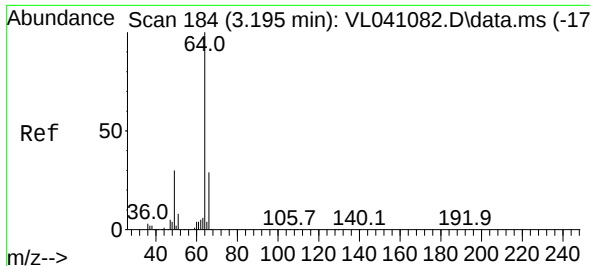
Tgt Ion: 62 Resp: 822162
 Ion Ratio Lower Upper
 62 100
 64 32.2 26.5 39.7



#6
 Bromomethane
 Concen: 9.833 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

Tgt Ion: 94 Resp: 331667
 Ion Ratio Lower Upper
 94 100
 96 86.2 76.0 114.0

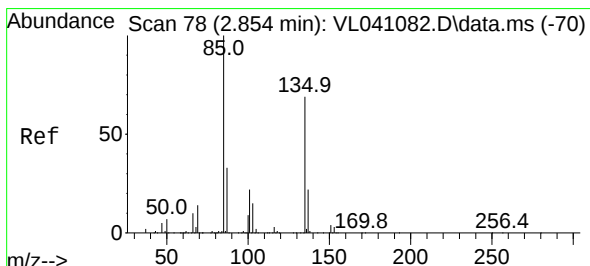
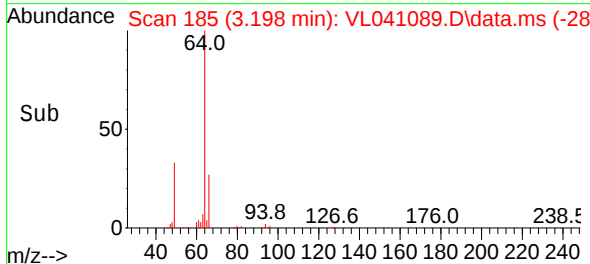
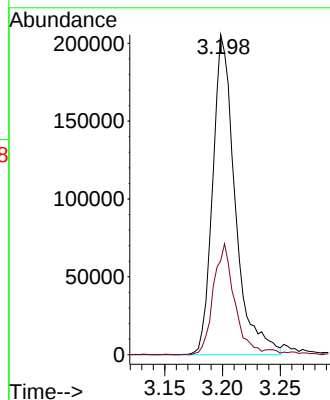
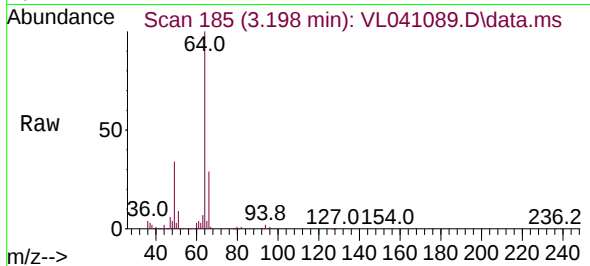




#7
Chloroethane
Concen: 9.396 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

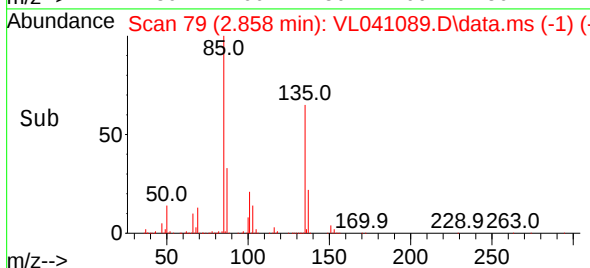
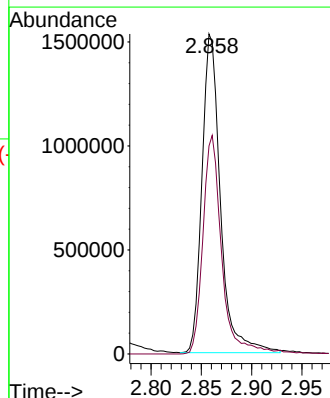
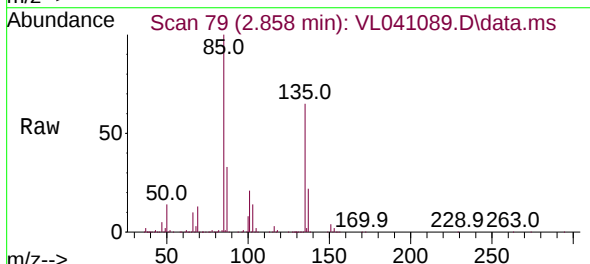
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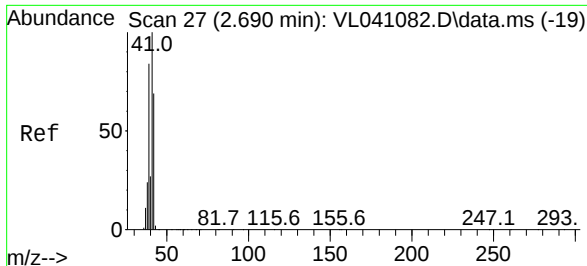
Tgt Ion: 64 Resp: 277515
Ion Ratio Lower Upper
64 100
66 29.4 23.2 34.8



#8
Dichlorotetrafluoroethane
Concen: 9.403 ppbv
RT: 2.858 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion: 85 Resp: 1956477
Ion Ratio Lower Upper
85 100
135 70.4 56.7 85.1

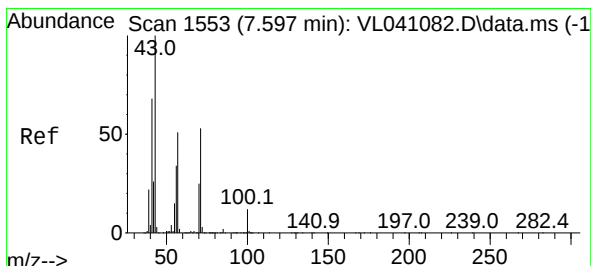
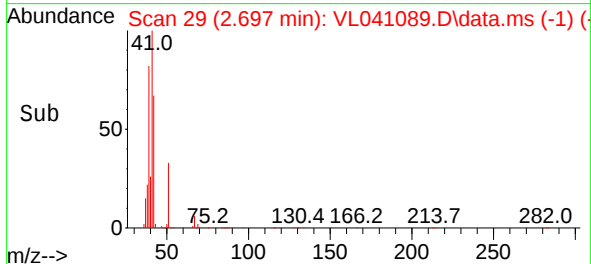
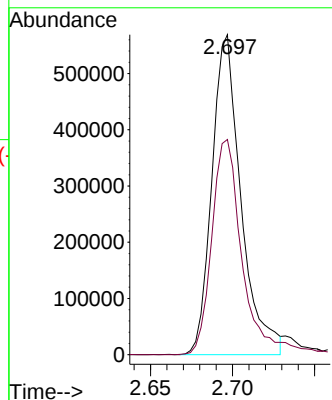
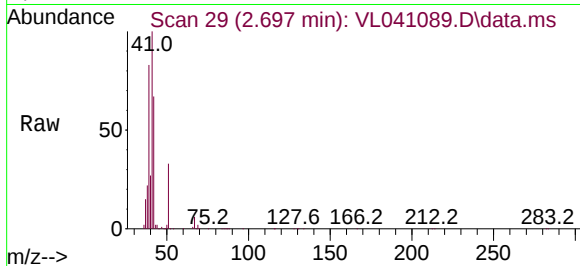




#9
 Propene
 Concen: 9.529 ppbv
 RT: 2.697 min Scan# 20
 Delta R.T. 0.007 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

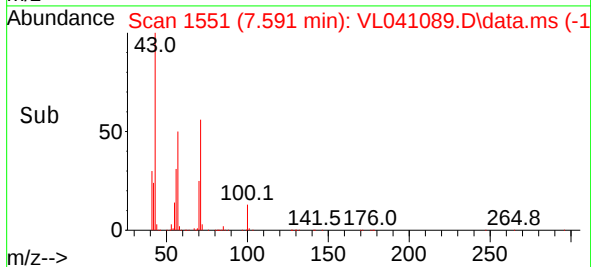
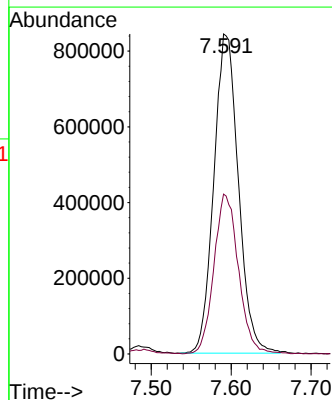
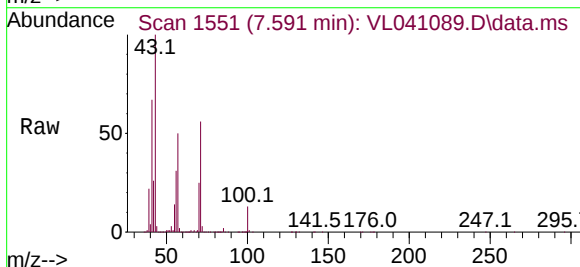
Instrument :
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 ClientSampleId :
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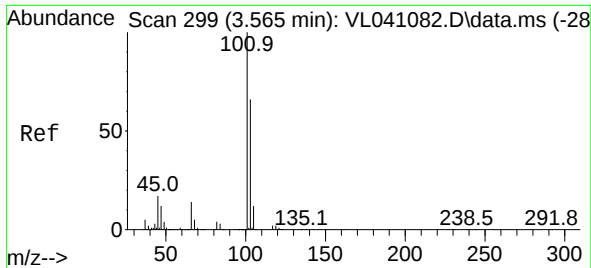
Tgt Ion: 41 Resp: 700788
 Ion Ratio Lower Upper
 41 100
 42 71.9 55.9 83.9



#10
 Heptane
 Concen: 10.201 ppbv
 RT: 7.591 min Scan# 1551
 Delta R.T. -0.006 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

Tgt Ion: 43 Resp: 1795164
 Ion Ratio Lower Upper
 43 100
 57 50.3 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.199 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

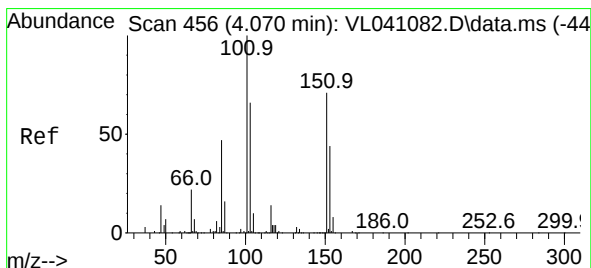
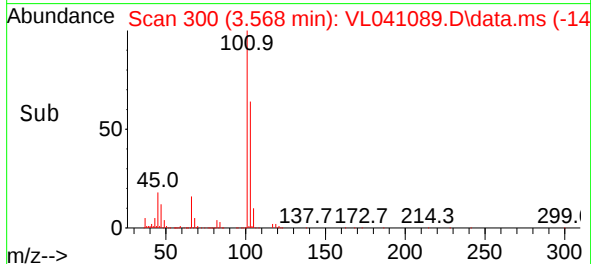
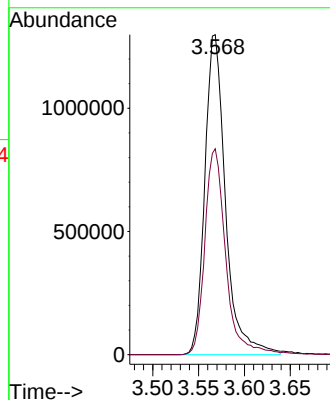
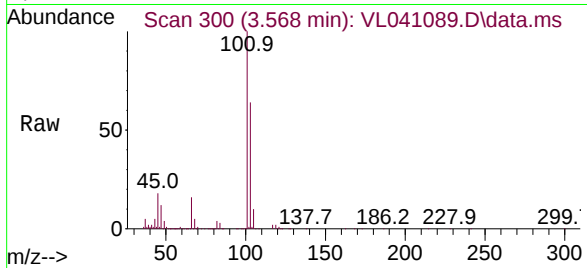
ICVVL031124

Tgt Ion:101 Resp: 2032573

Ion Ratio Lower Upper

101 100

103 64.3 53.0 79.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.006 ppbv

RT: 4.073 min Scan# 457

Delta R.T. 0.003 min

Lab File: VL041089.D

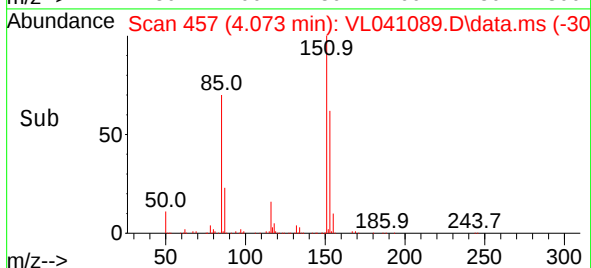
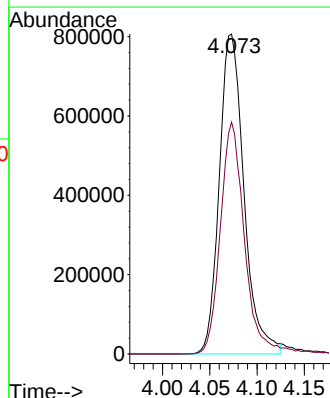
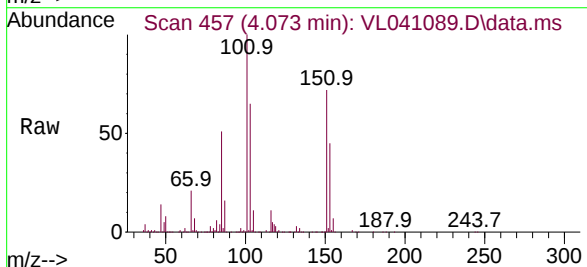
Acq: 11 Mar 2024 16:12

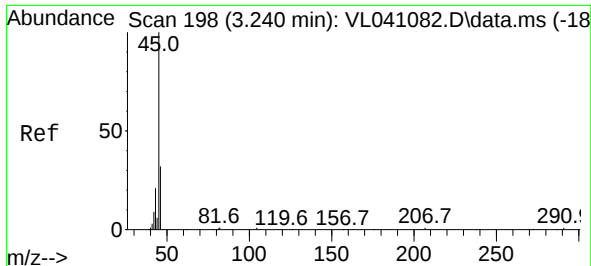
Tgt Ion:101 Resp: 1462896

Ion Ratio Lower Upper

101 100

151 71.5 55.8 83.8





#13

Ethanol

Concen: 7.320 ppbv

RT: 3.243 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

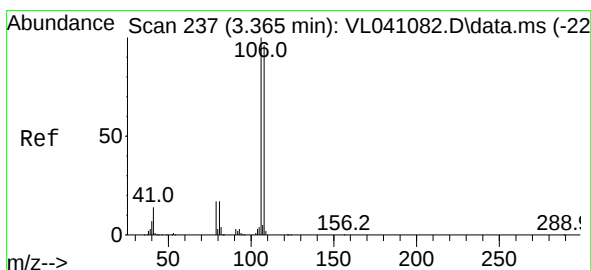
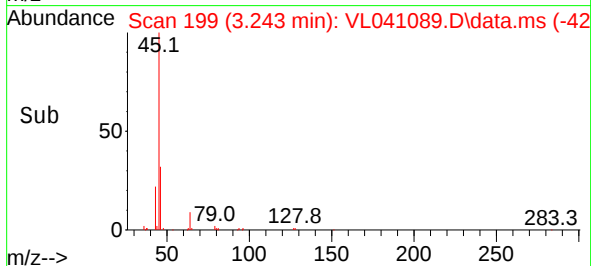
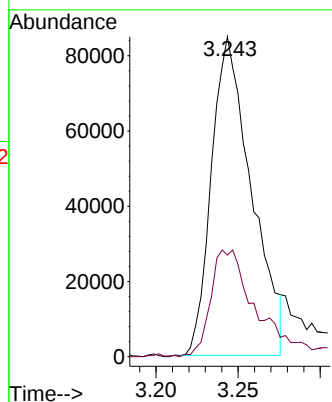
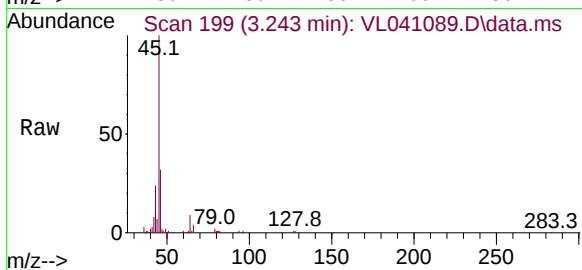
ICVVL031124

Tgt Ion: 45 Resp: 143464

Ion Ratio Lower Upper

45 100

46 42.2 14.6 58.2



#14

Bromoethene

Concen: 9.716 ppbv

RT: 3.369 min Scan# 238

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

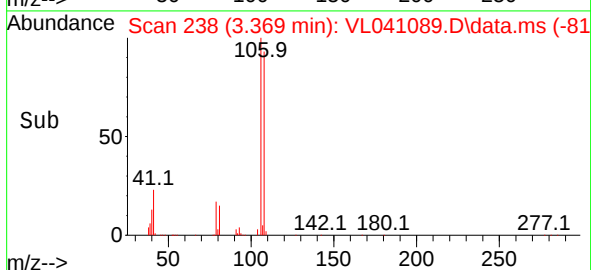
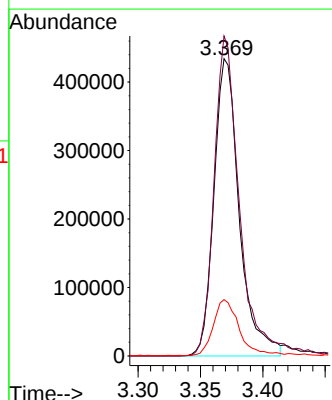
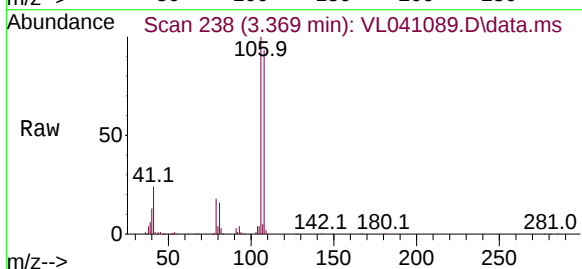
Tgt Ion:108 Resp: 615400

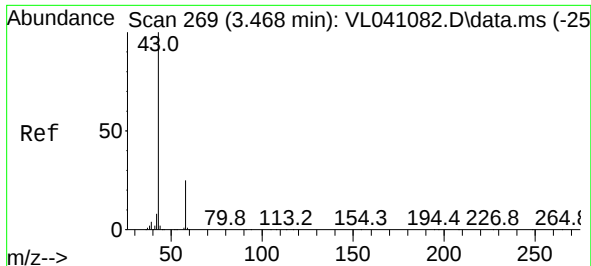
Ion Ratio Lower Upper

108 100

106 109.9 88.1 132.1

79 19.7 15.6 23.4

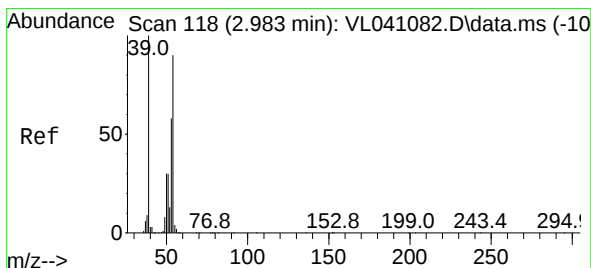
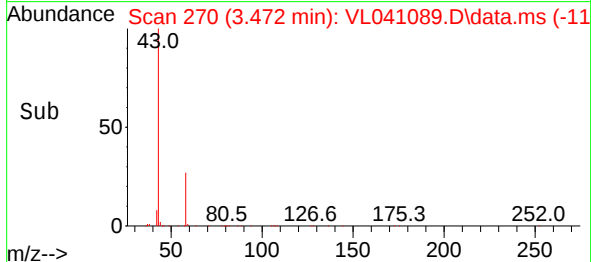
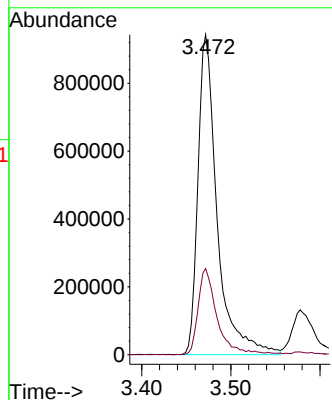
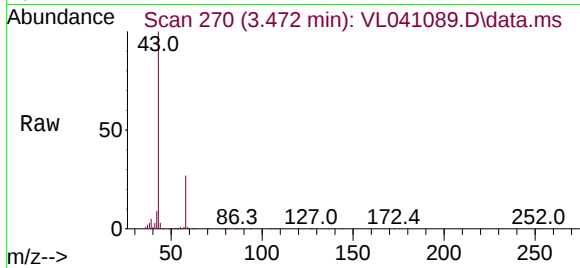




#15
Acetone
Concen: 8.252 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

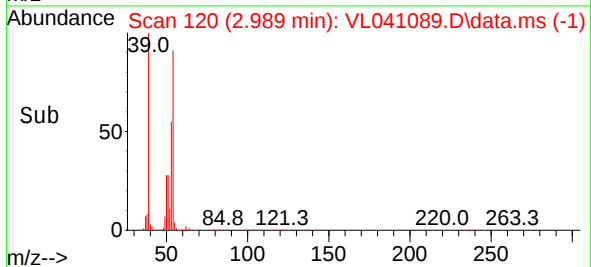
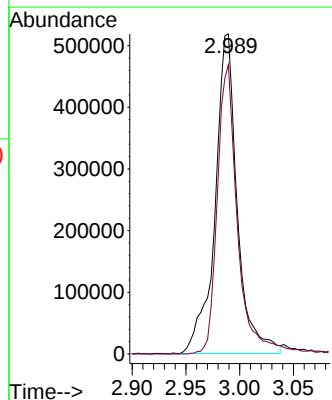
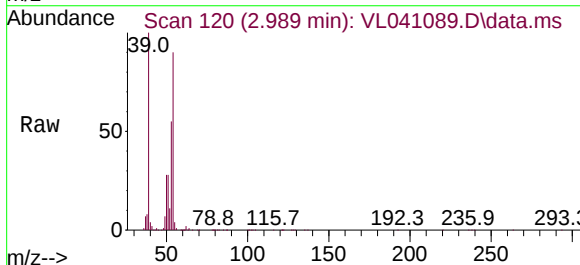
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031124

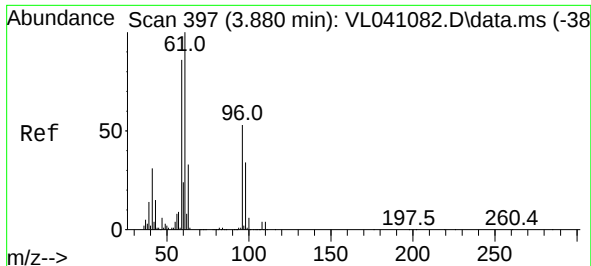
Tgt Ion: 43 Resp: 1413686
Ion Ratio Lower Upper
43 100
58 26.8 21.7 32.5



#16
1,3-Butadiene
Concen: 9.633 ppbv
RT: 2.989 min Scan# 120
Delta R.T. 0.007 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion: 39 Resp: 748595
Ion Ratio Lower Upper
39 100
54 82.9 64.0 96.0





#17

tert-Butyl alcohol

Concen: 10.414 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.007 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

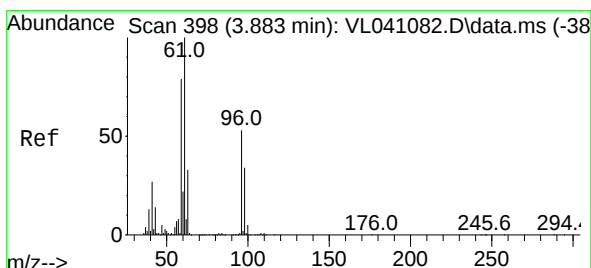
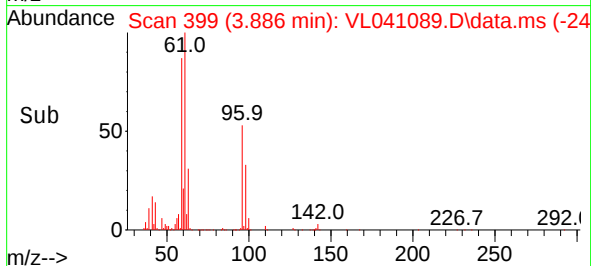
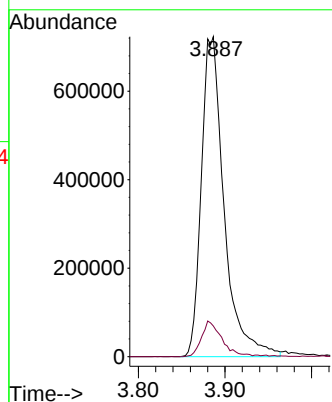
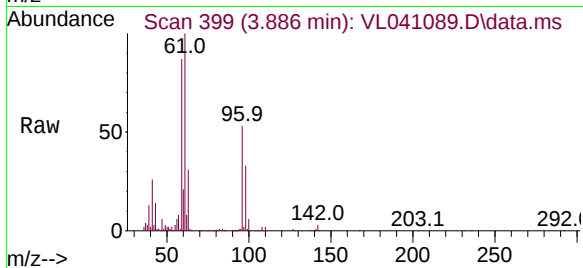
ICVVL031124

Tgt Ion: 59 Resp: 1320931

Ion Ratio Lower Upper

59 100

57 10.4 9.0 13.6



#18

1,1-Dichloroethene

Concen: 9.291 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

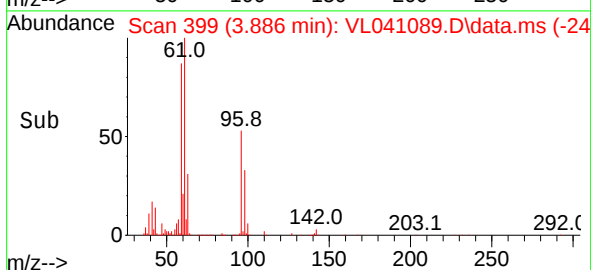
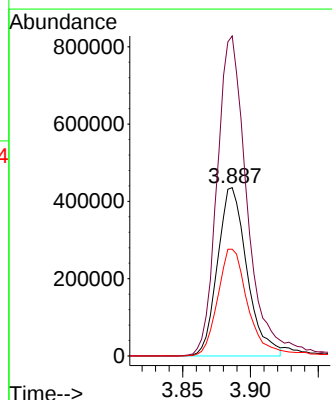
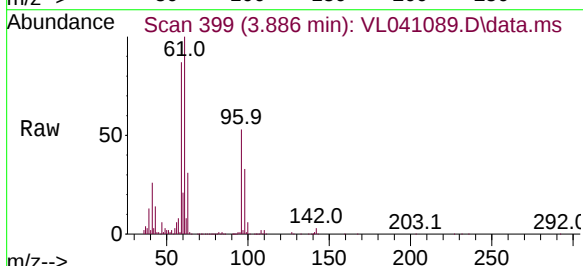
Tgt Ion: 96 Resp: 658767

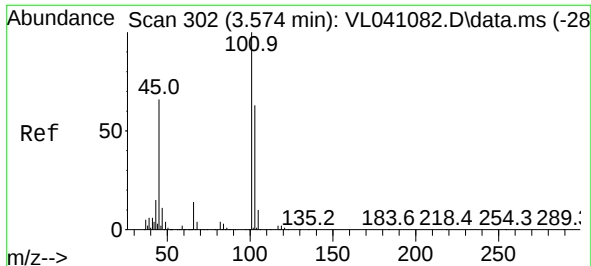
Ion Ratio Lower Upper

96 100

61 190.0 150.2 225.2

98 63.4 50.7 76.1





#19

Isopropyl Alcohol

Concen: 10.223 ppbv

RT: 3.578 min Scan# 302

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

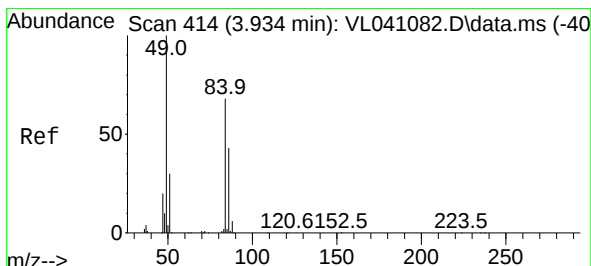
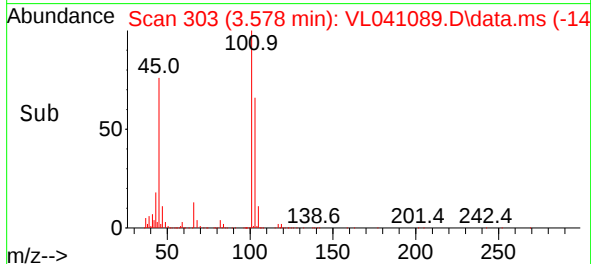
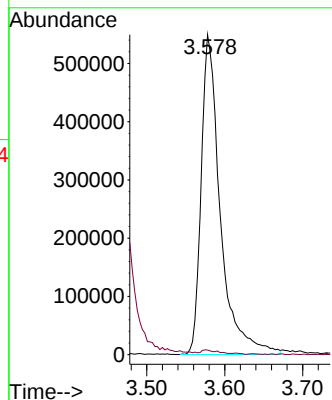
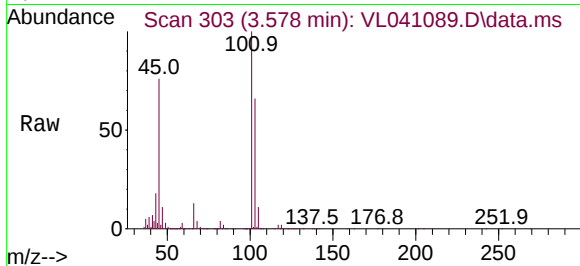
ICVVL031124

Tgt Ion: 45 Resp: 935450

Ion Ratio Lower Upper

45 100

58 1.9 2.2 3.4#



#20

Methylene Chloride

Concen: 8.220 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Tgt Ion: 84 Resp: 548972

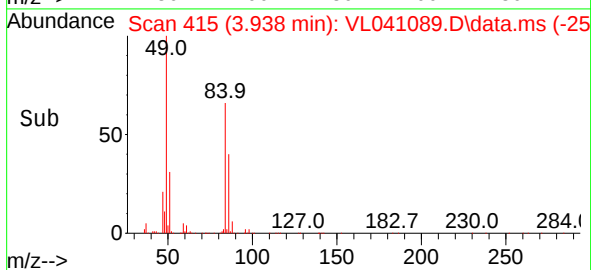
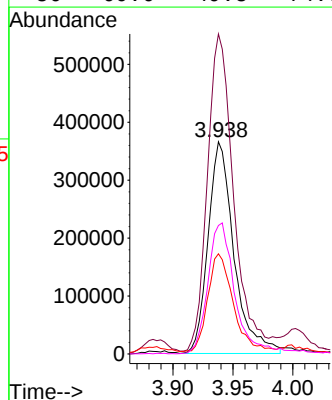
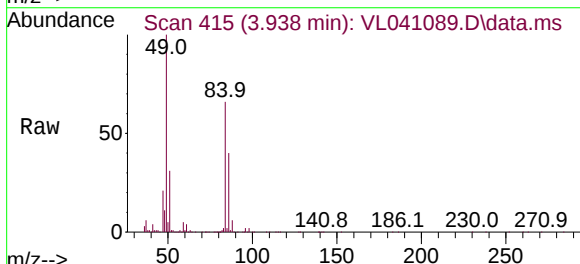
Ion Ratio Lower Upper

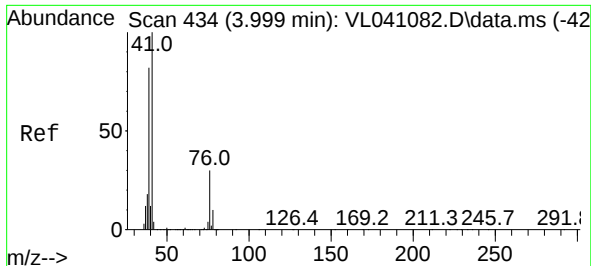
84 100

49 149.8 117.0 175.6

51 46.2 34.9 52.3

86 60.6 49.8 74.6





#21

Allyl Chloride

Concen: 10.116 ppbv

RT: 4.002 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_1

ClientSampleId :

ICVVL031124

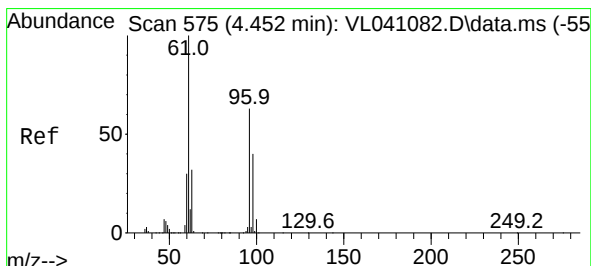
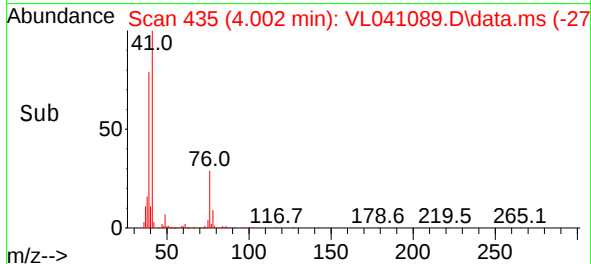
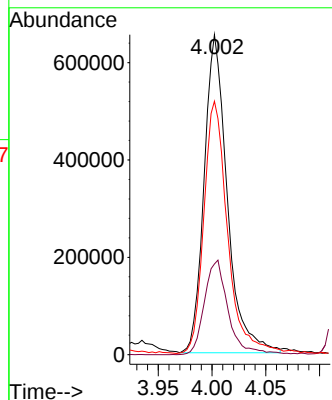
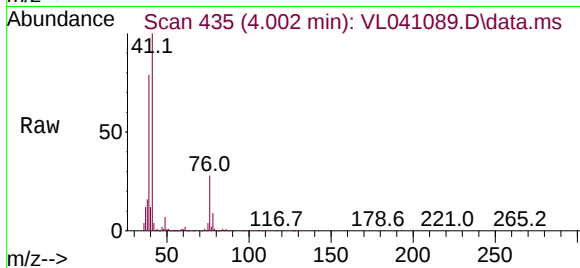
Tgt Ion: 41 Resp: 978822

Ion Ratio Lower Upper

41 100

76 30.8 25.5 38.3

39 81.5 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 10.687 ppbv

RT: 4.452 min Scan# 575

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

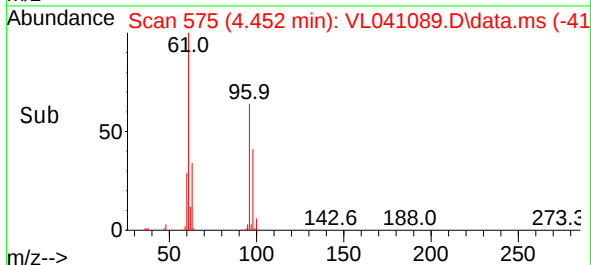
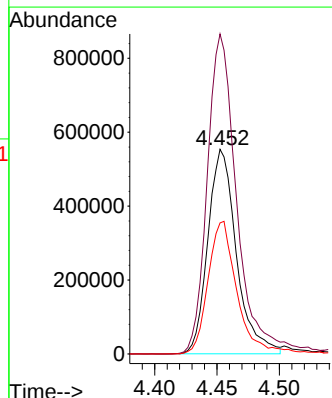
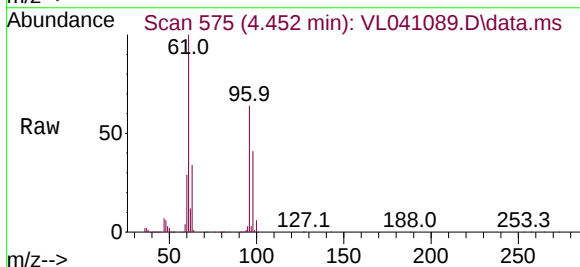
Tgt Ion: 96 Resp: 884546

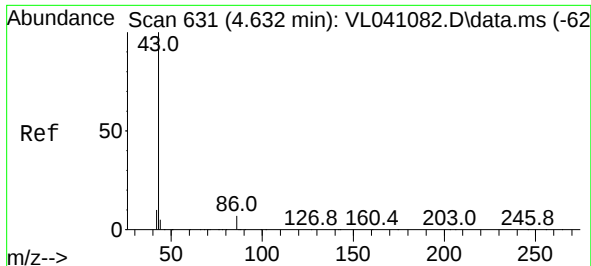
Ion Ratio Lower Upper

96 100

61 156.2 126.7 190.1

98 64.0 50.1 75.1



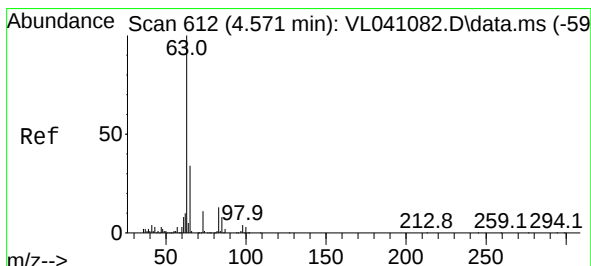
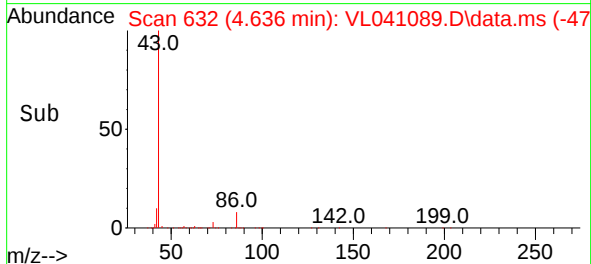
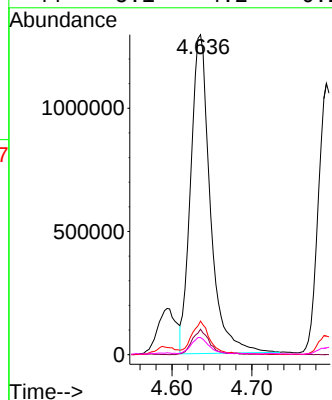
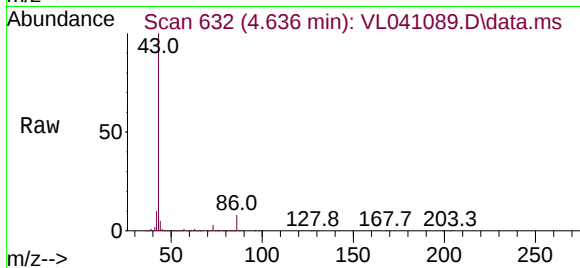


#23
 Vinyl Acetate
 Concen: 11.339 ppbv
 RT: 4.636 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031124

Tgt Ion: 43 Resp: 2198146

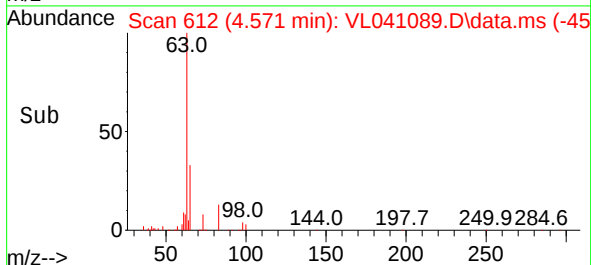
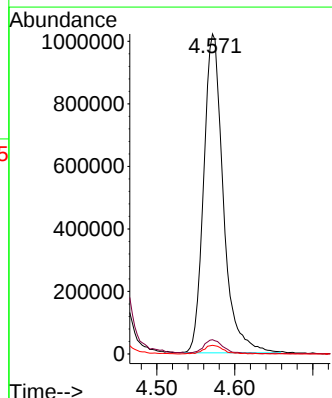
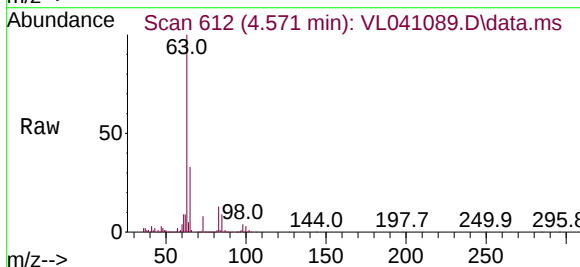
Ion	Ratio	Lower	Upper
43	100		
86	8.0	5.4	8.2
42	10.5	8.0	12.0
44	5.1	4.2	6.2

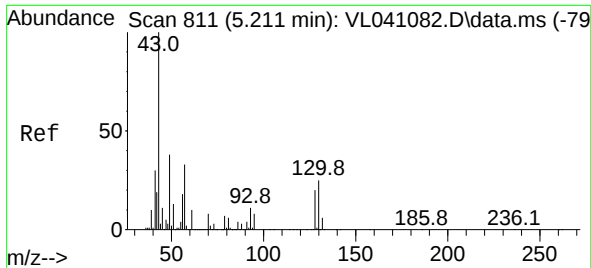


#24
 1,1-Dichloroethane
 Concen: 10.164 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

Tgt Ion: 63 Resp: 1780029

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.7	1.4	4.2



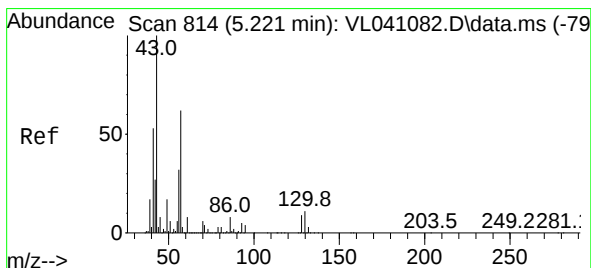
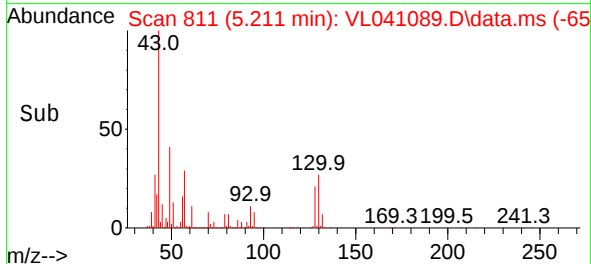
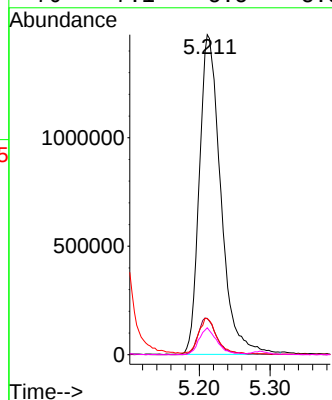
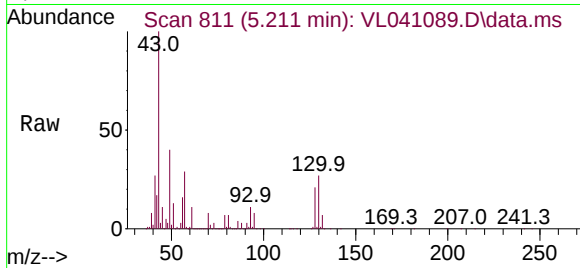


#25
Ethyl Acetate
Concen: 10.011 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Instrument :
MSVOA_L
ClientSampleId :
ICVVL031124

Tgt Ion: 43 Resp: 3089652

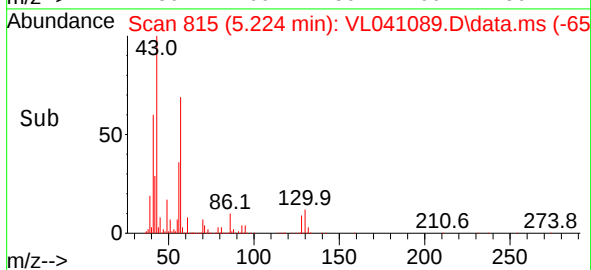
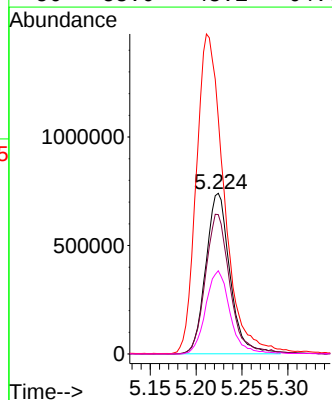
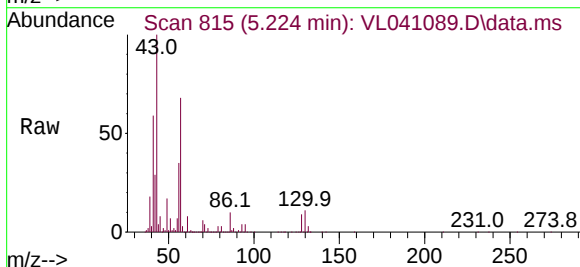
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	10.0	8.2	12.2
70	7.1	5.5	8.3

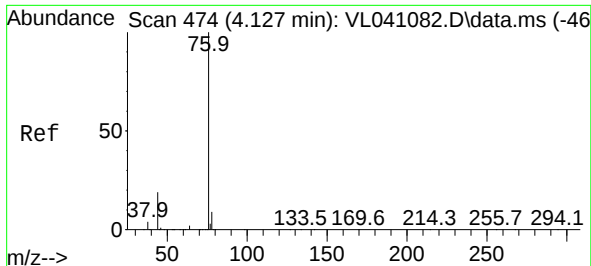


#26
Hexane
Concen: 9.769 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion: 57 Resp: 1347553

Ion	Ratio	Lower	Upper
57	100		
41	89.7	73.8	110.6
43	231.2	184.2	276.2
56	53.0	43.1	64.7

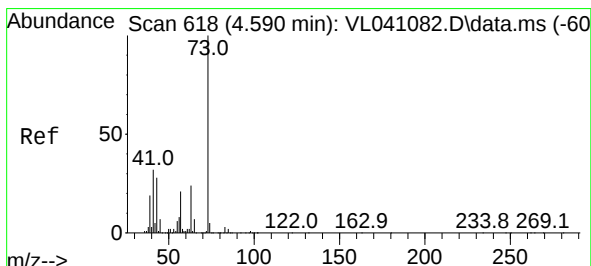
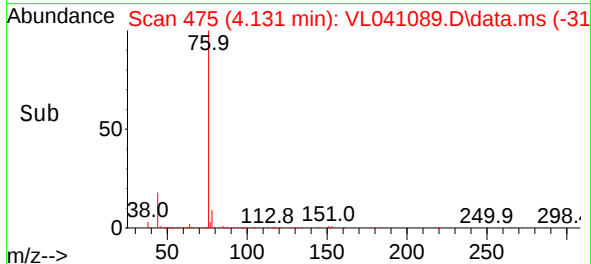
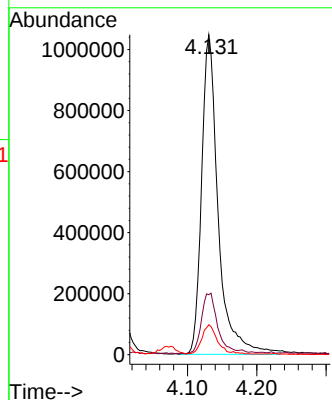
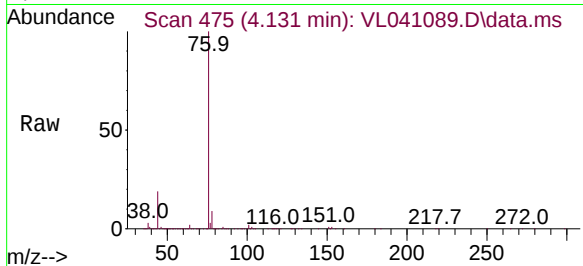




#27
Carbon Disulfide
Concen: 10.508 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

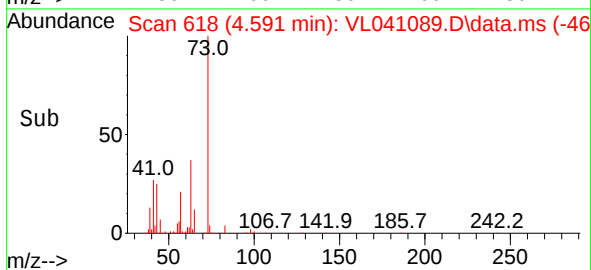
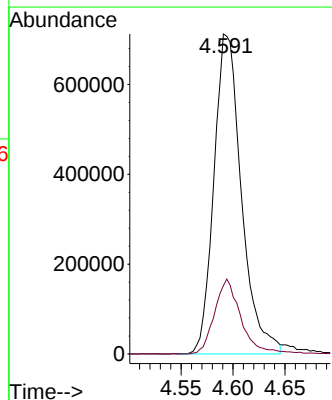
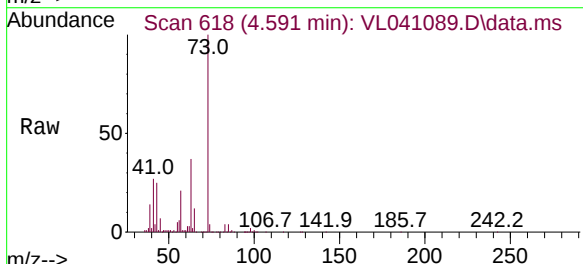
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031124

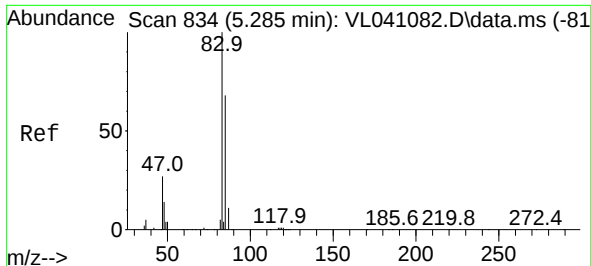
Tgt Ion: 76 Resp: 1737681
Ion Ratio Lower Upper
76 100
44 19.4 16.0 24.0
78 9.3 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 10.761 ppbv
RT: 4.591 min Scan# 618
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion: 73 Resp: 1312478
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4





#29

Chloroform

Concen: 9.507 ppbv

RT: 5.285 min Scan# 834

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

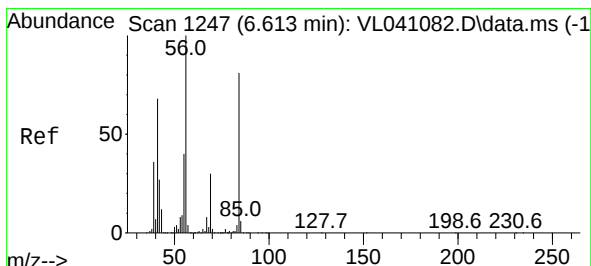
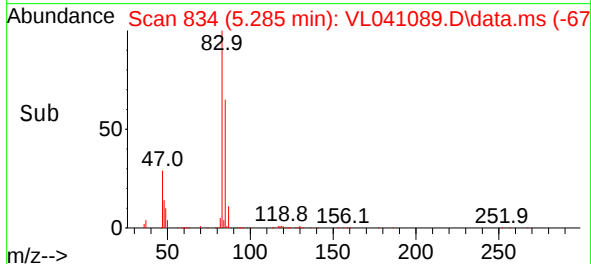
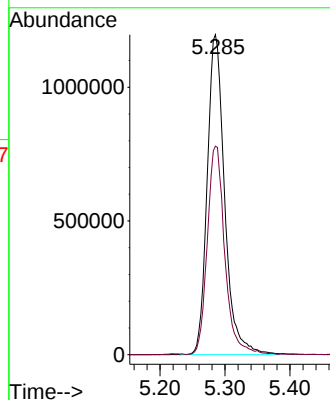
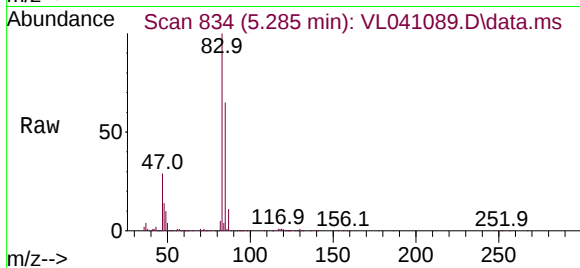
ICVVL031124

Tgt Ion: 83 Resp: 2233207

Ion Ratio Lower Upper

83 100

85 65.0 54.6 82.0



#30

Cyclohexane

Concen: 10.145 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

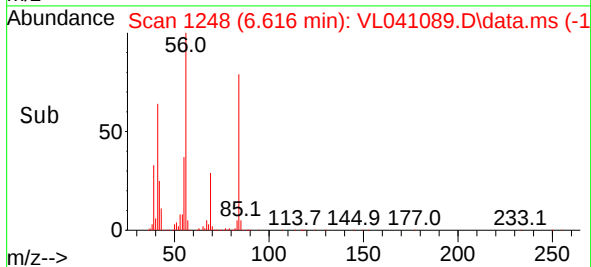
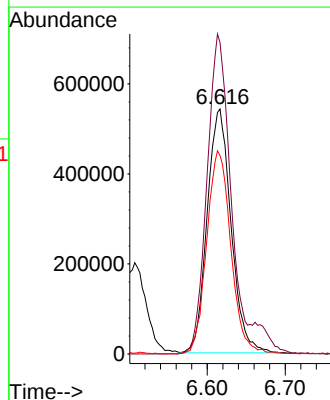
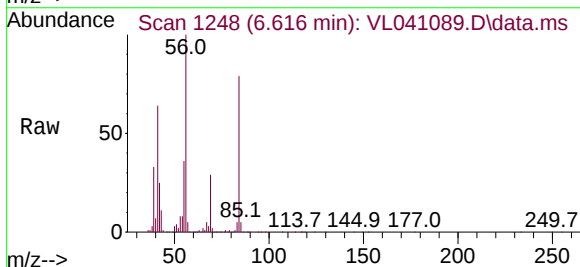
Tgt Ion: 84 Resp: 1159612

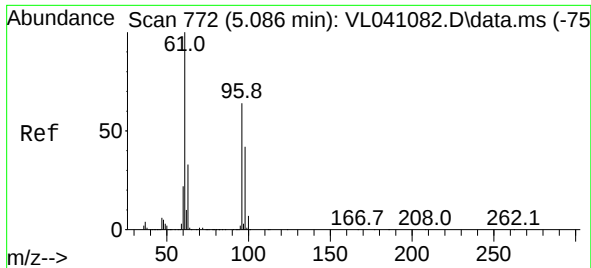
Ion Ratio Lower Upper

84 100

56 137.3 110.4 165.6

41 84.1 70.6 105.8





#31

cis-1,2-Dichloroethene

Concen: 10.378 ppbv

RT: 5.086 min Scan# 772

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

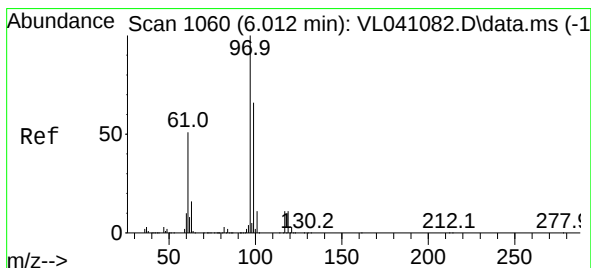
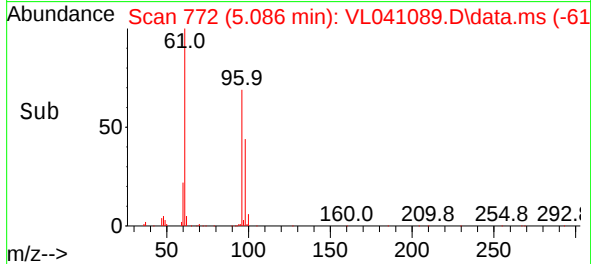
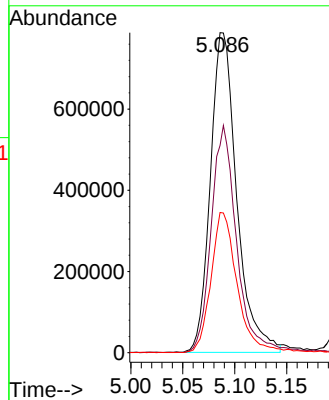
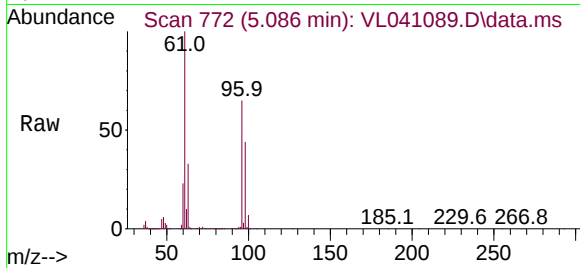
MSVOA_L

ClientSampleId :

ICVVL031124

Tgt Ion: 61 Resp: 1393574

Ion	Ratio	Lower	Upper
61	100		
96	64.7	51.2	76.8
98	43.8	33.4	50.0



#32

1,1,1-Trichloroethane

Concen: 10.541 ppbv

RT: 6.015 min Scan# 1061

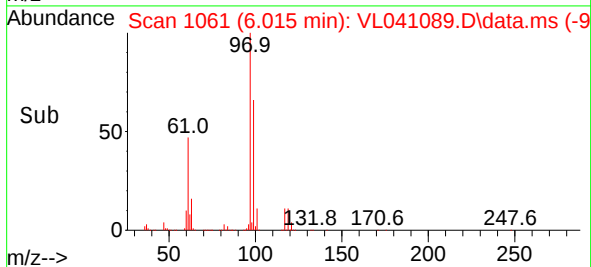
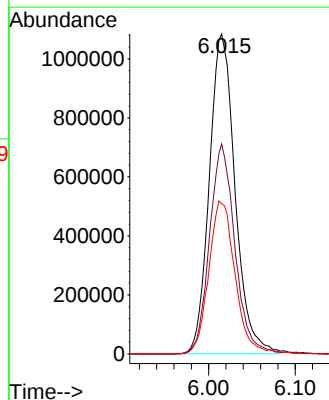
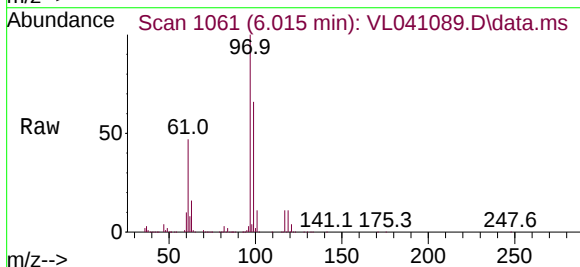
Delta R.T. 0.003 min

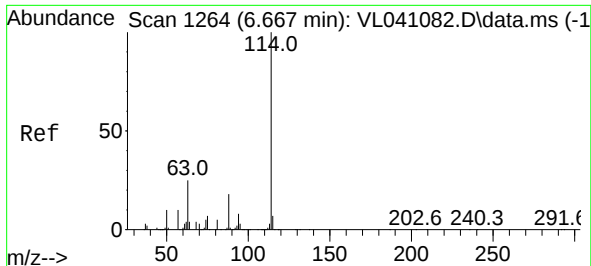
Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Tgt Ion: 97 Resp: 2242619

Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	49.0	40.4	60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

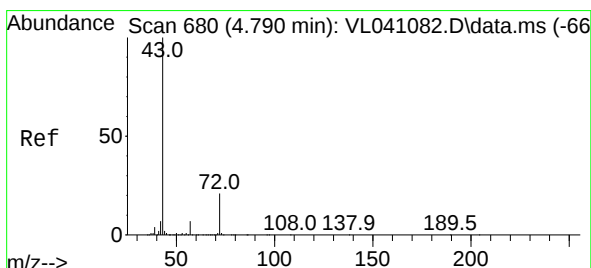
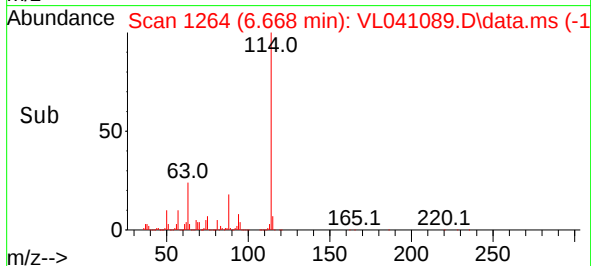
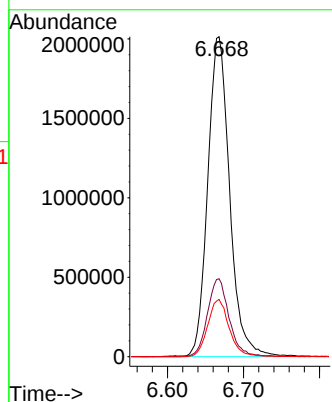
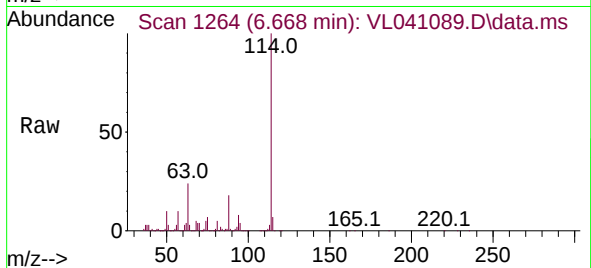
Tgt Ion:114 Resp: 4019042

Ion Ratio Lower Upper

114 100

63 24.5 21.0 31.6

88 17.6 14.6 22.0



#34

2-Butanone

Concen: 9.728 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.003 min

Lab File: VL041089.D

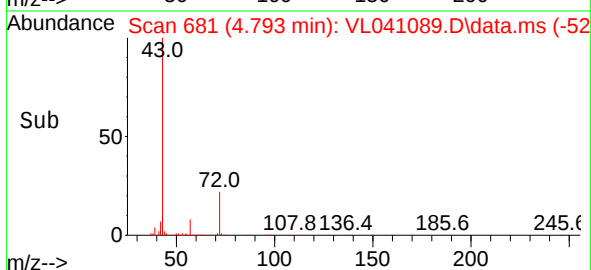
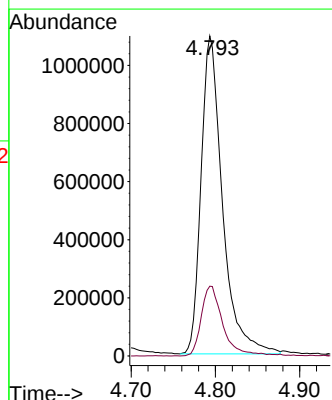
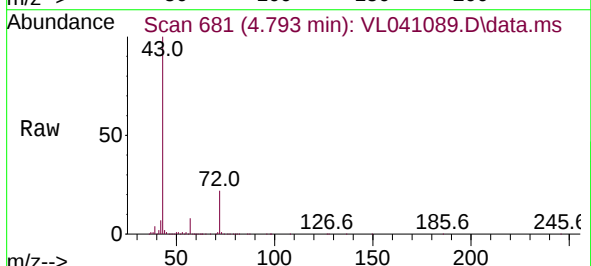
Acq: 11 Mar 2024 16:12

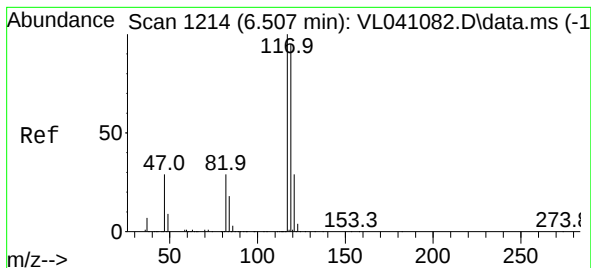
Tgt Ion: 43 Resp: 1935748

Ion Ratio Lower Upper

43 100

72 22.6 17.4 26.0





#35

Carbon Tetrachloride

Concen: 9.983 ppbv

RT: 6.507 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

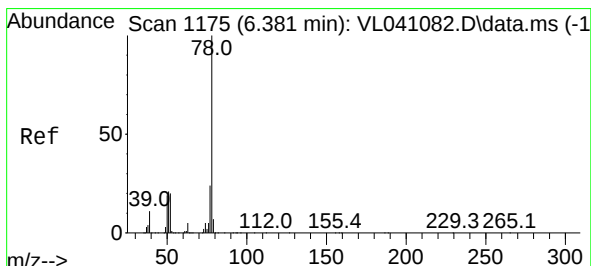
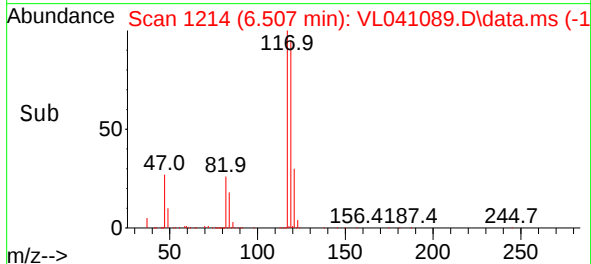
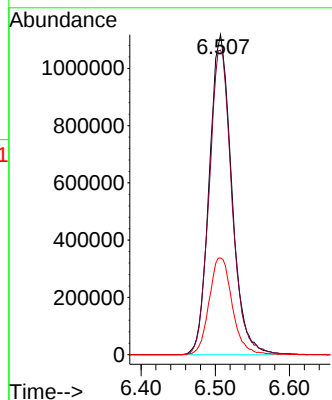
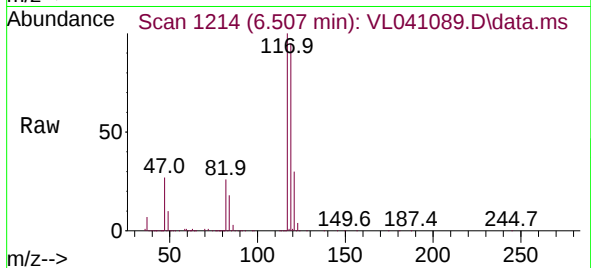
Tgt Ion:117 Resp: 2344673

Ion Ratio Lower Upper

117 100

119 95.2 75.6 113.4

121 30.2 23.4 35.2



#36

Benzene

Concen: 9.639 ppbv

RT: 6.385 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

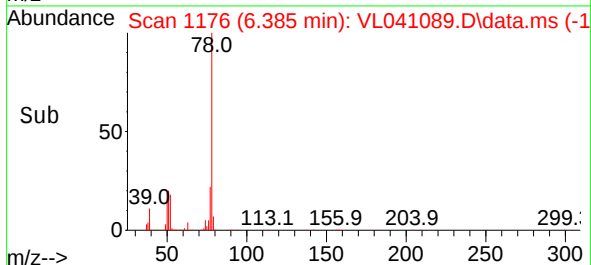
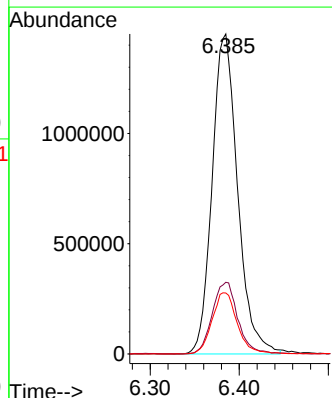
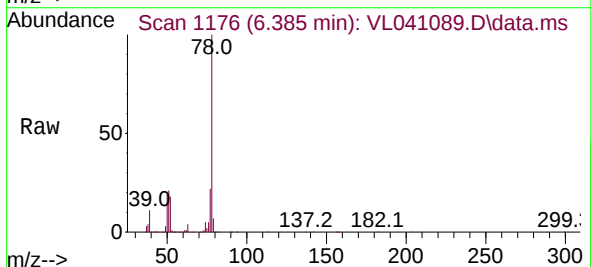
Tgt Ion: 78 Resp: 2883705

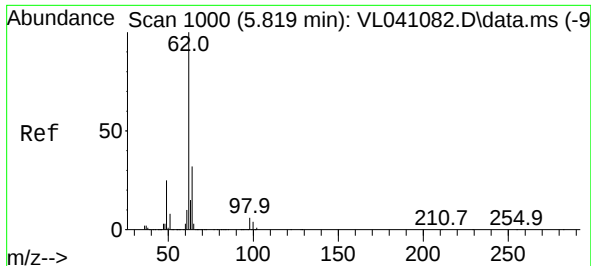
Ion Ratio Lower Upper

78 100

77 22.4 18.8 28.2

50 19.1 15.5 23.3

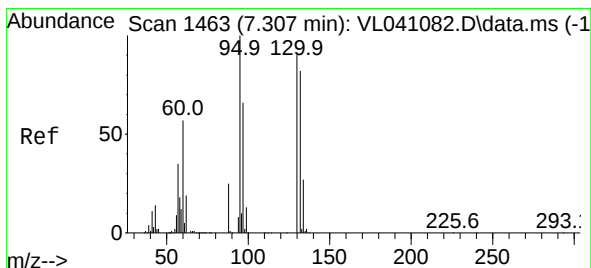
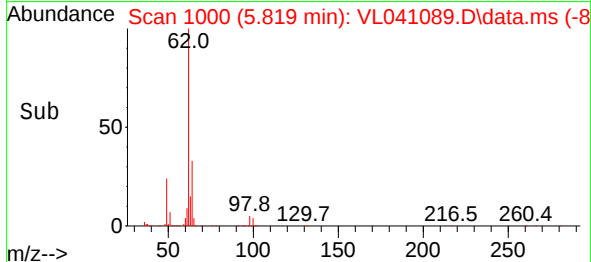
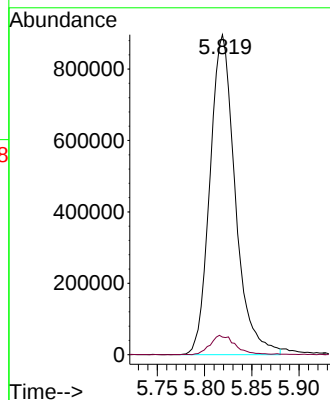
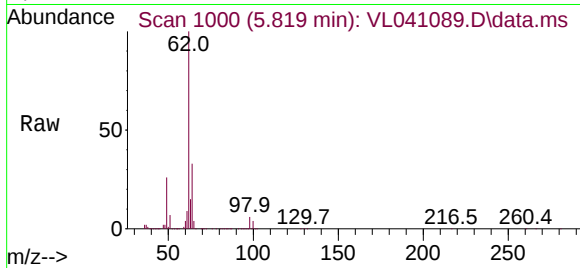




#37
1,2-Dichloroethane
Concen: 9.267 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

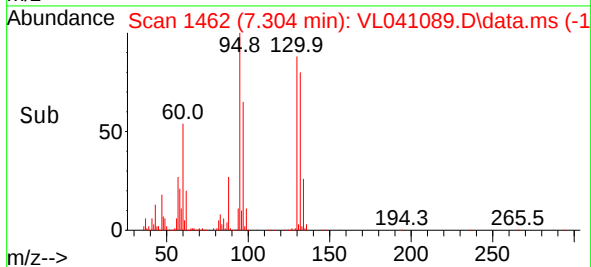
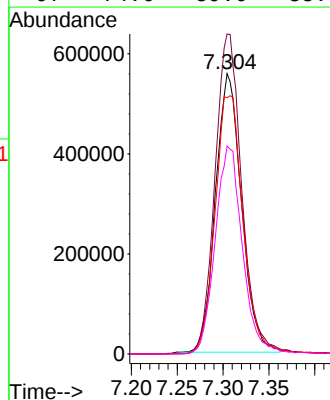
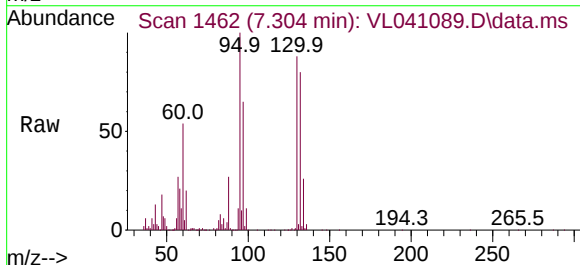
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031124

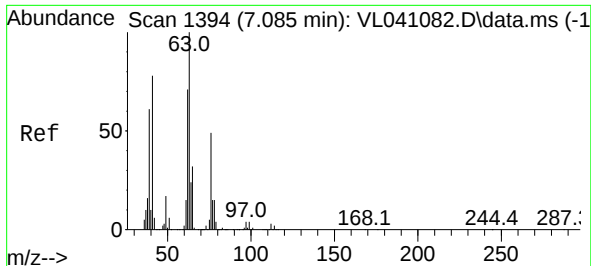
Tgt Ion: 62 Resp: 1667934
Ion Ratio Lower Upper
62 100
98 6.2 4.6 6.8



#38
Trichloroethene
Concen: 10.148 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.003 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion:130 Resp: 1102648
Ion Ratio Lower Upper
130 100
95 114.6 88.8 133.2
132 92.0 73.0 109.4
97 74.6 59.0 88.4





#39

1,2-Dichloropropane

Concen: 9.344 ppbv

RT: 7.086 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

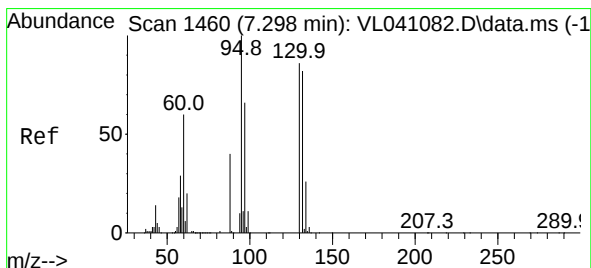
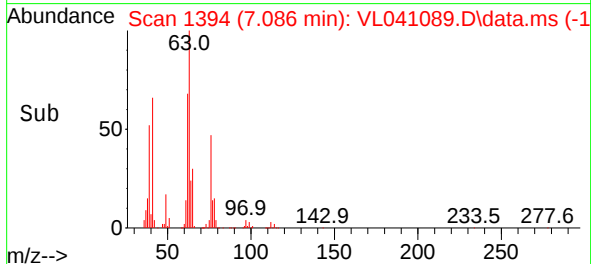
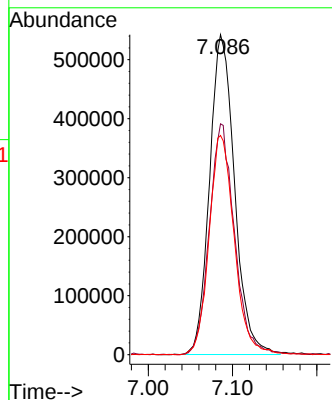
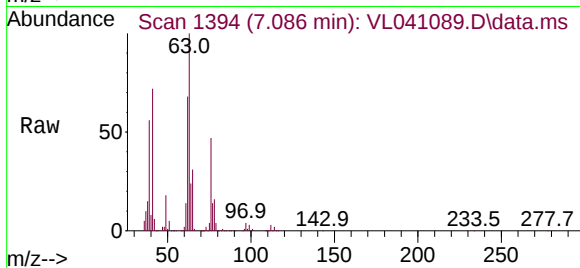
Tgt Ion: 63 Resp: 1118206

Ion Ratio Lower Upper

63 100

41 72.2 62.2 93.4

62 68.5 57.0 85.4



#40

1,4-Dioxane

Concen: 9.320 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Tgt Ion: 88 Resp: 439124

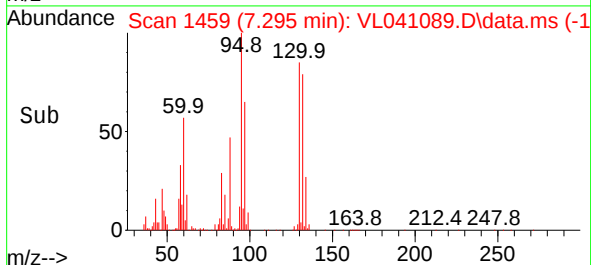
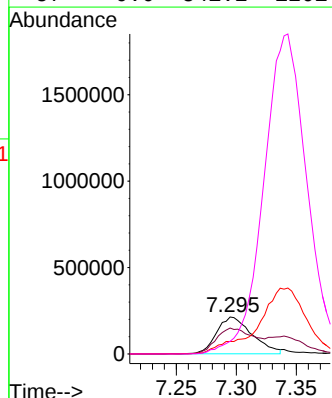
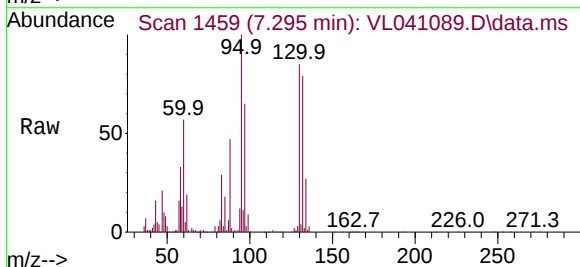
Ion Ratio Lower Upper

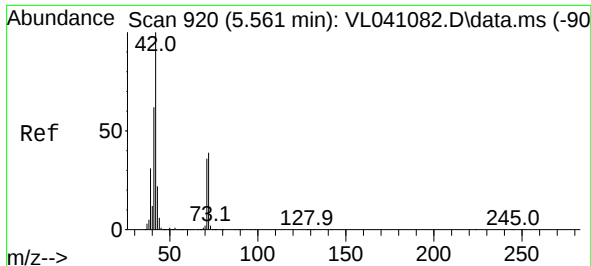
88 100

58 125.7 96.3 144.5

43 0.0 195.7 293.5#

57 0.0 841.2 1261.8#





#41

Tetrahydrofuran

Concen: 10.025 ppbv

RT: 5.565 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

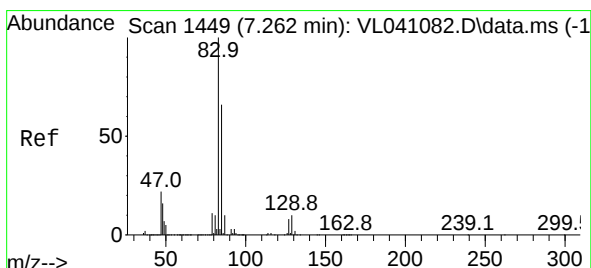
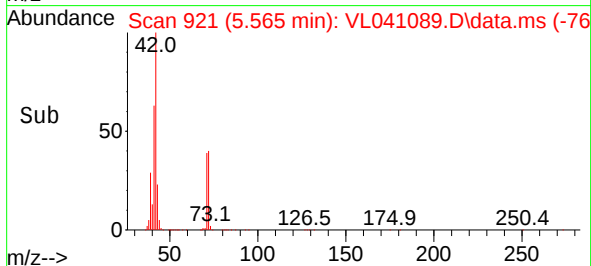
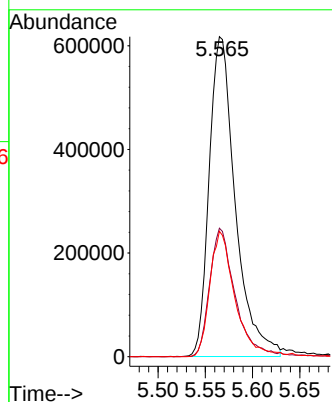
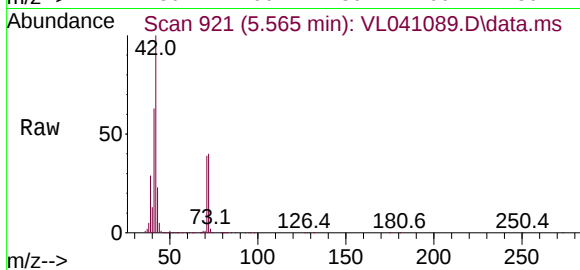
MSVOA_L

ClientSampleId :

ICVVL031124

Tgt Ion: 42 Resp: 1187276

Ion	Ratio	Lower	Upper
42	100		
72	39.7	30.7	46.1
71	38.5	29.6	44.4



#42

Bromodichloromethane

Concen: 9.670 ppbv

RT: 7.263 min Scan# 1449

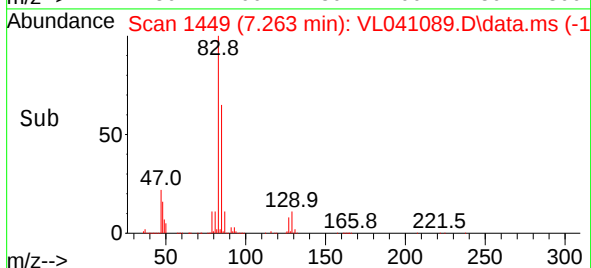
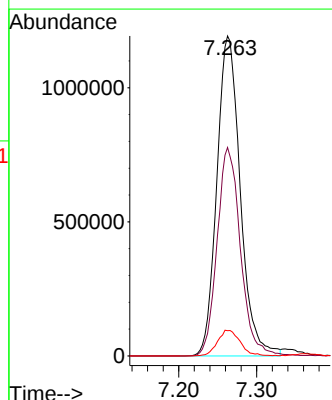
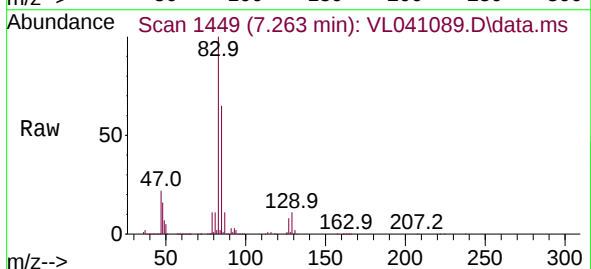
Delta R.T. 0.000 min

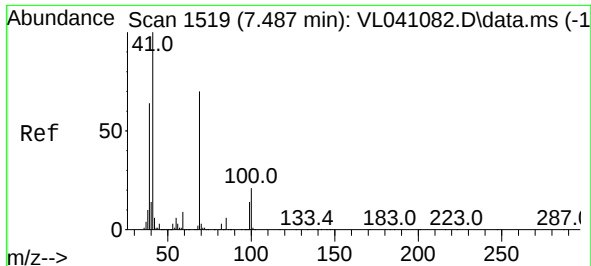
Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Tgt Ion: 83 Resp: 2493440

Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.1	79.7
127	7.9	6.2	9.4





#43

Methyl Methacrylate

Concen: 10.462 ppbv

RT: 7.488 min Scan# 1519

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

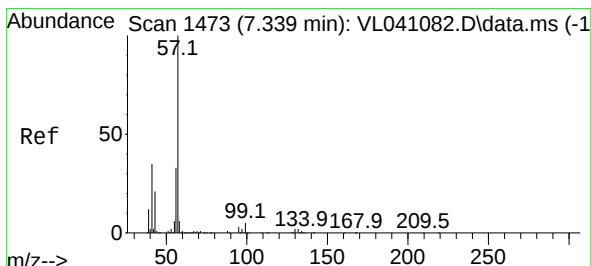
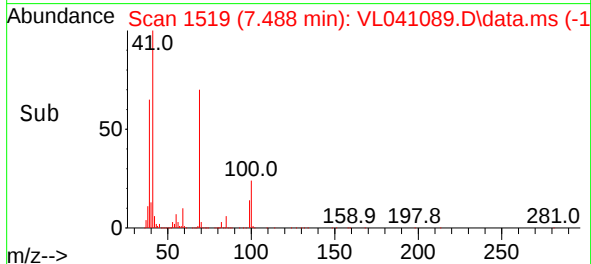
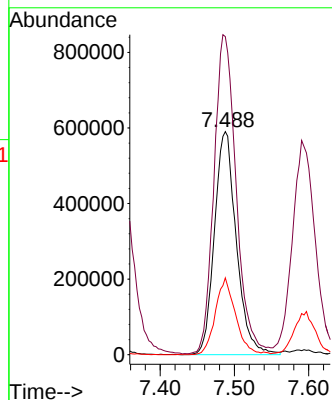
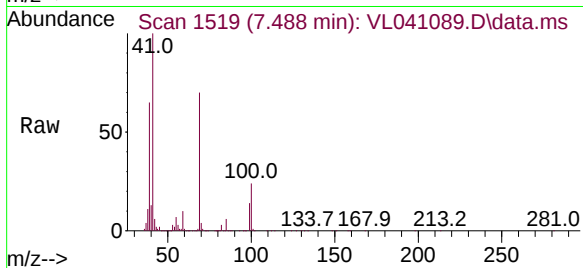
MSVOA_L

ClientSampleId :

ICVVL031124

Tgt Ion: 69 Resp: 1210685

Ion	Ratio	Lower	Upper
69	100		
41	145.3	118.2	177.4
100	32.0	24.8	37.2



#44

2,2,4-Trimethylpentane

Concen: 9.365 ppbv

RT: 7.343 min Scan# 1474

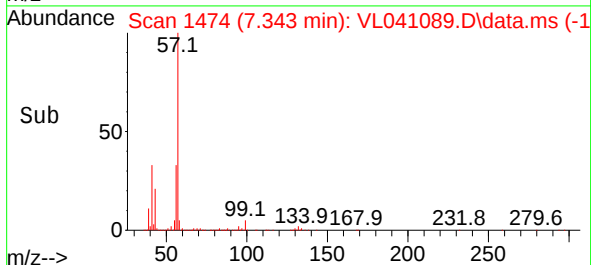
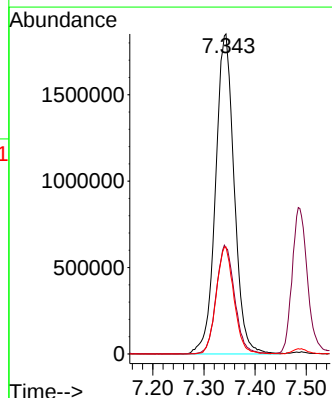
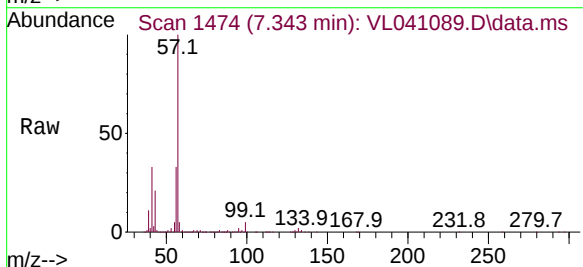
Delta R.T. 0.003 min

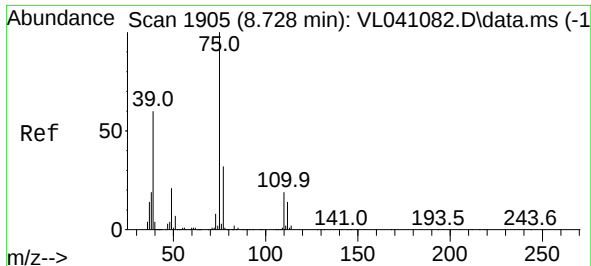
Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Tgt Ion: 57 Resp: 4678554

Ion	Ratio	Lower	Upper
57	100		
41	33.7	28.0	42.0
56	31.9	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 11.634 ppbv

RT: 8.726 min Scan# 1905

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

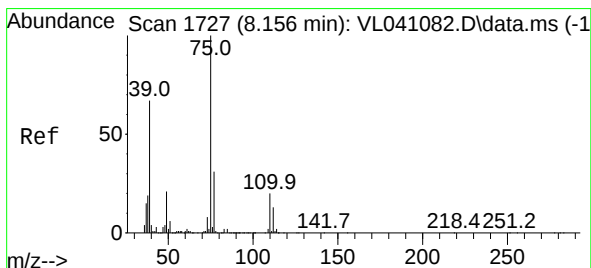
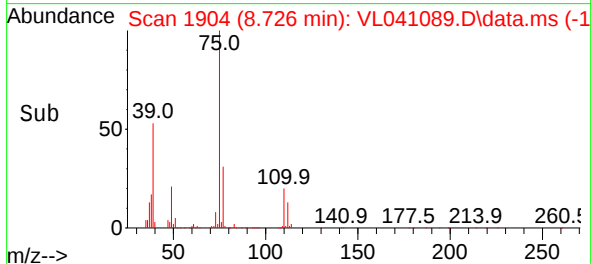
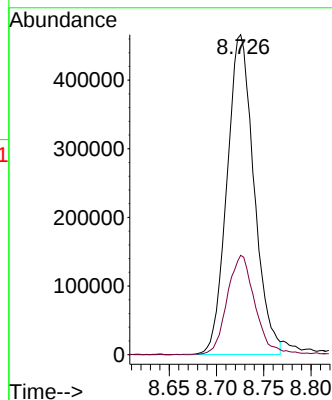
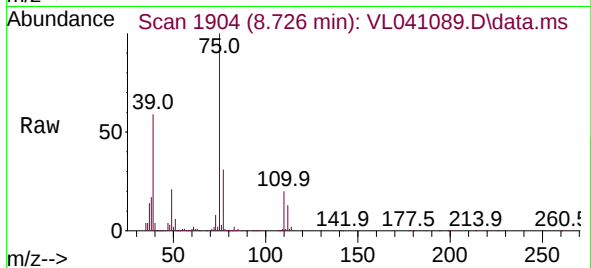
ICVVL031124

Tgt Ion: 75 Resp: 926735

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 10.997 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

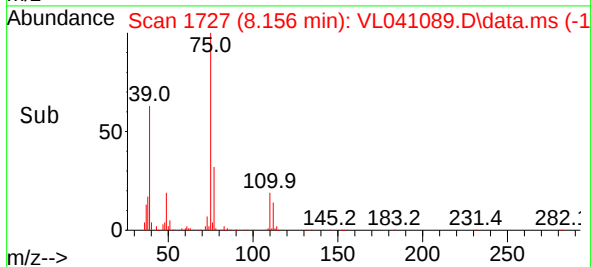
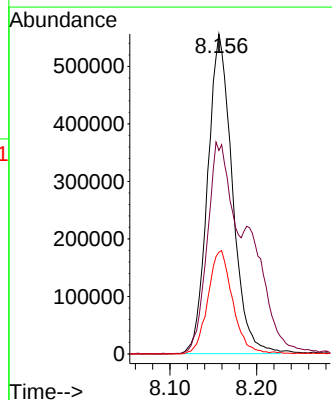
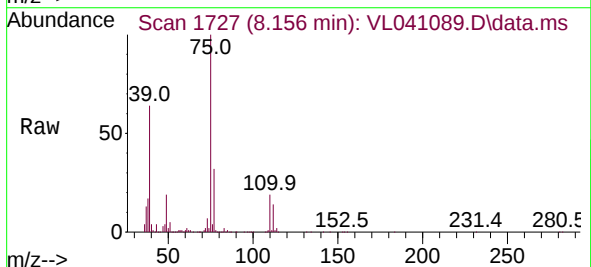
Tgt Ion: 75 Resp: 1100087

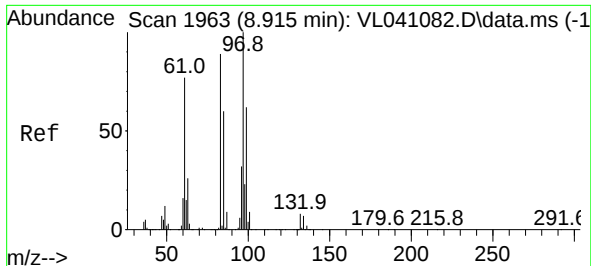
Ion Ratio Lower Upper

75 100

39 63.5 53.3 79.9

77 31.8 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 4.199 ppbv

RT: 8.918 min Scan# 1963

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

Tgt Ion: 97 Resp: 535988

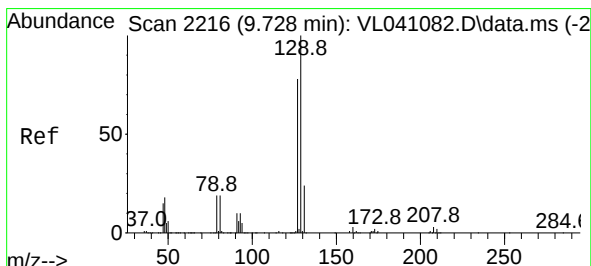
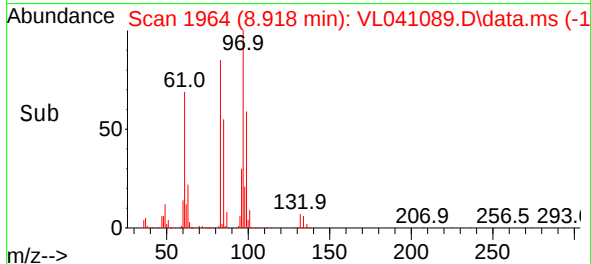
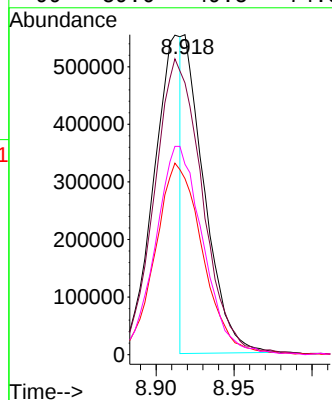
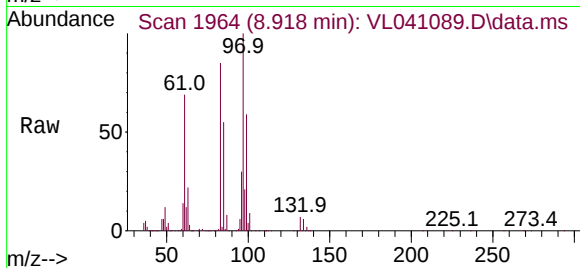
Ion Ratio Lower Upper

97 100

83 84.6 71.1 106.7

85 55.0 48.2 72.2

99 59.6 49.5 74.3



#48

Dibromochloromethane

Concen: 10.214 ppbv

RT: 9.726 min Scan# 2215

Delta R.T. -0.003 min

Lab File: VL041089.D

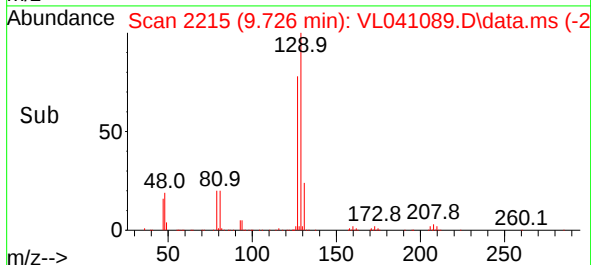
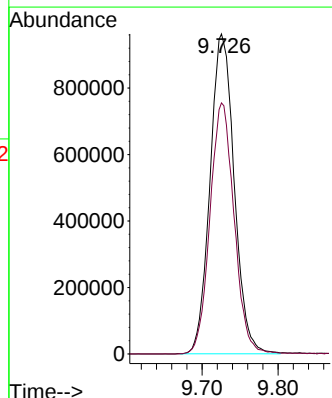
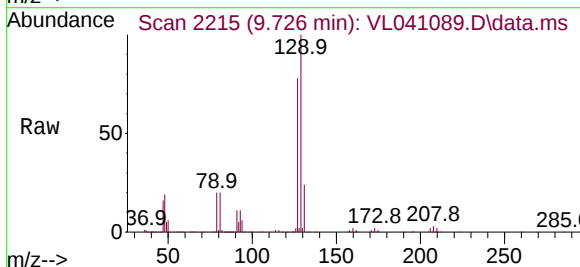
Acq: 11 Mar 2024 16:12

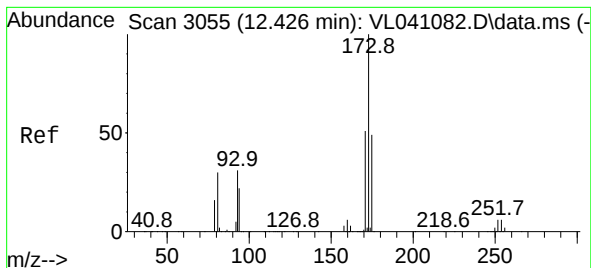
Tgt Ion: 129 Resp: 2125088

Ion Ratio Lower Upper

129 100

127 78.4 39.6 118.8





#49

Bromoform

Concen: 10.287 ppbv

RT: 12.426 min Scan# 3055

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

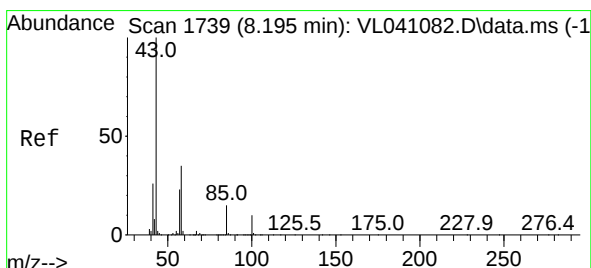
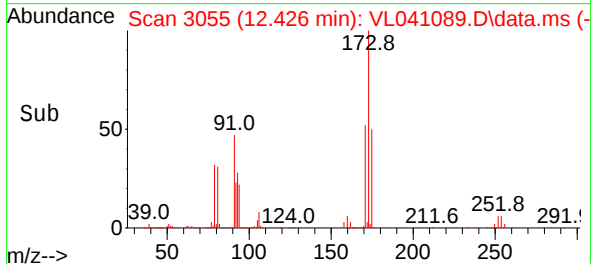
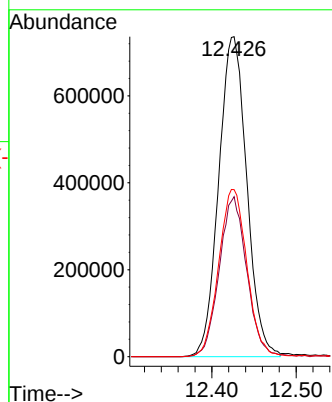
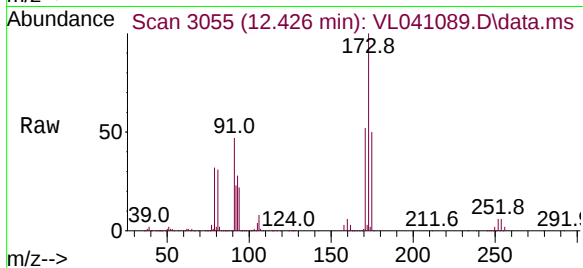
Tgt Ion:173 Resp: 1702364

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

171 52.9 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 9.953 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.000 min

Lab File: VL041089.D

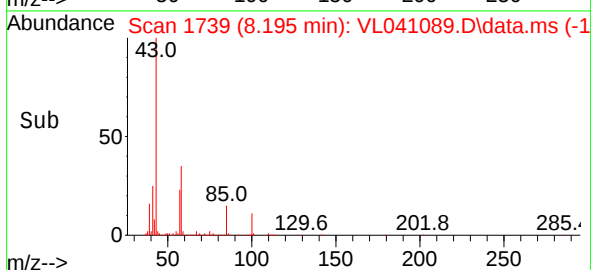
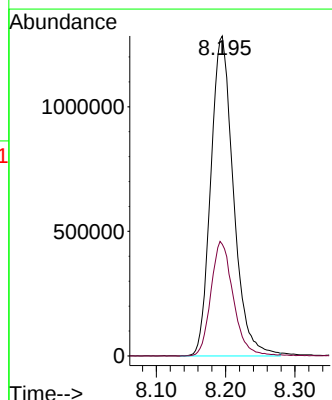
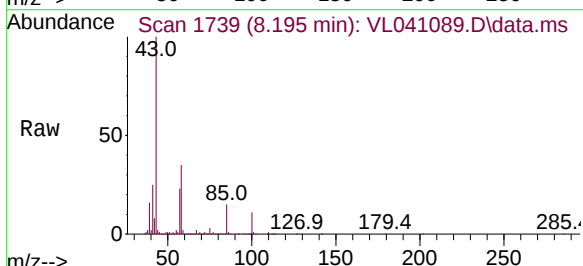
Acq: 11 Mar 2024 16:12

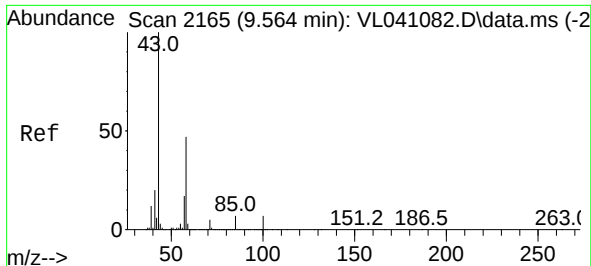
Tgt Ion: 43 Resp: 2921078

Ion Ratio Lower Upper

43 100

58 35.5 28.3 42.5

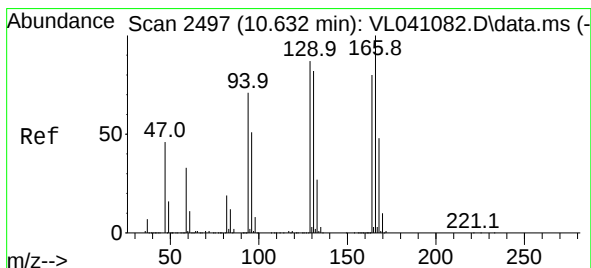
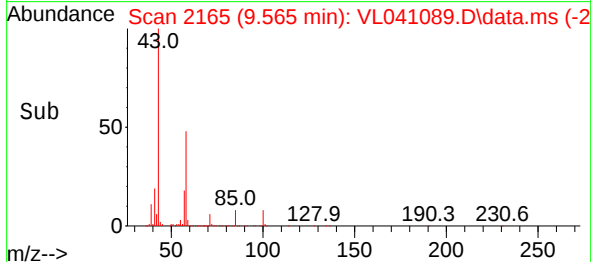
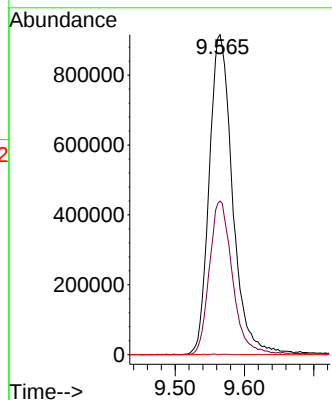
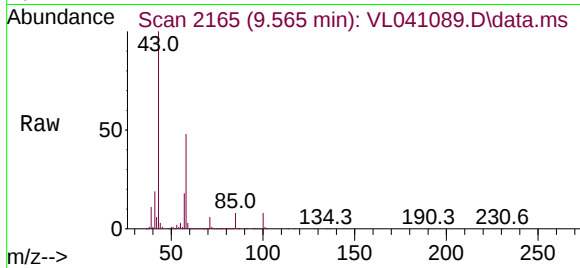




#51
2-Hexanone
Concen: 9.897 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

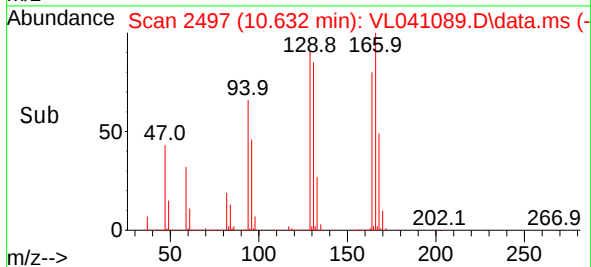
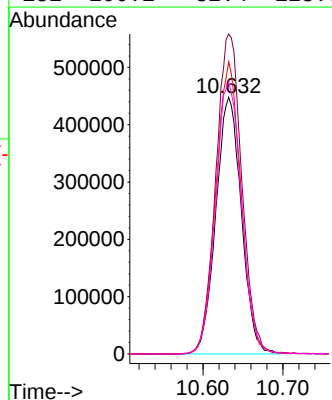
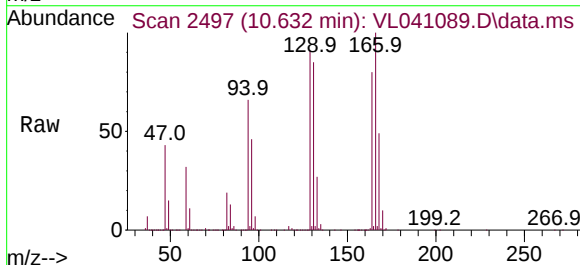
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031124

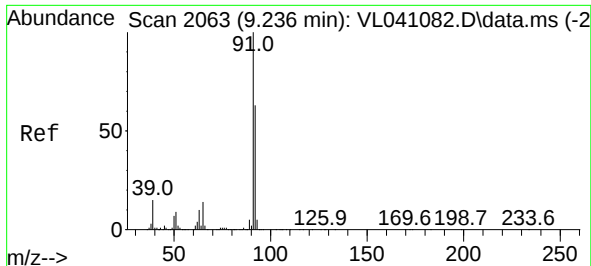
Tgt Ion: 43 Resp: 2127711
Ion Ratio Lower Upper
43 100
58 48.4 37.4 56.2
98 0.2 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.678 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion: 164 Resp: 990837
Ion Ratio Lower Upper
164 100
166 124.6 100.6 150.8
129 113.8 87.2 130.8
131 106.1 82.4 123.6





#53

Toluene

Concen: 10.284 ppbv

RT: 9.237 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

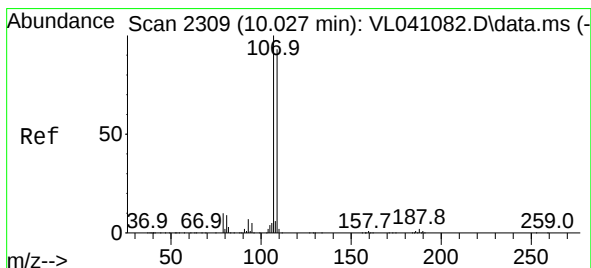
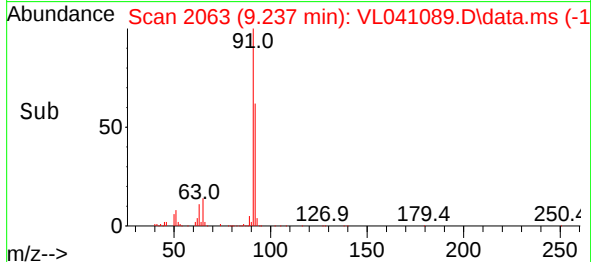
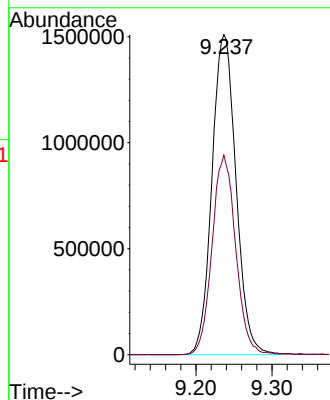
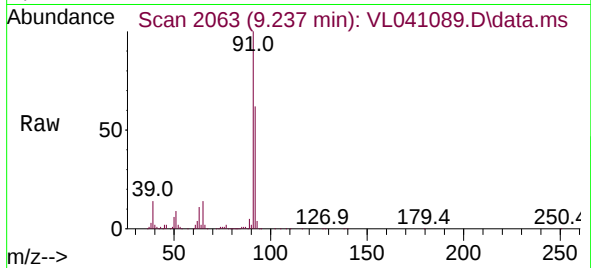
ICVVL031124

Tgt Ion: 91 Resp: 3316203

Ion Ratio Lower Upper

91 100

92 61.2 48.9 73.3



#54

1,2-Dibromoethane

Concen: 10.600 ppbv

RT: 10.025 min Scan# 2308

Delta R.T. -0.003 min

Lab File: VL041089.D

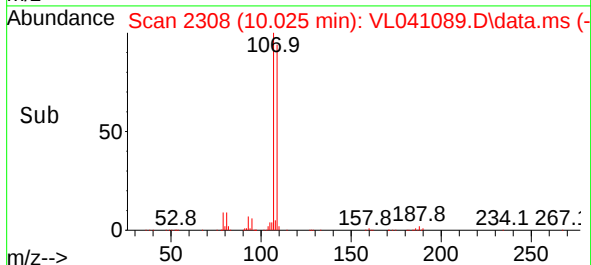
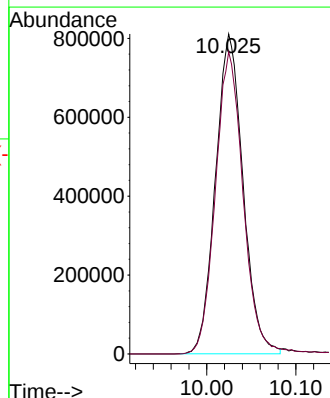
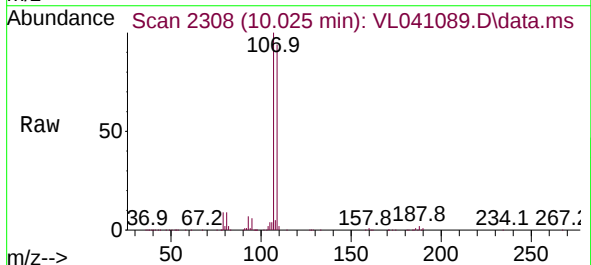
Acq: 11 Mar 2024 16:12

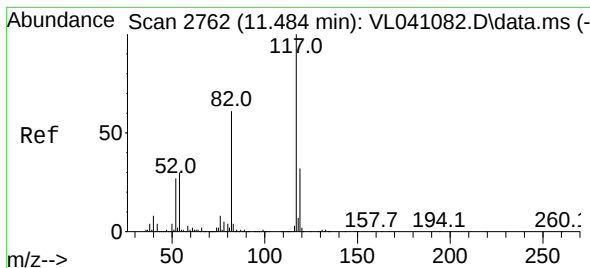
Tgt Ion: 107 Resp: 1740073

Ion Ratio Lower Upper

107 100

109 94.4 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 2762

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

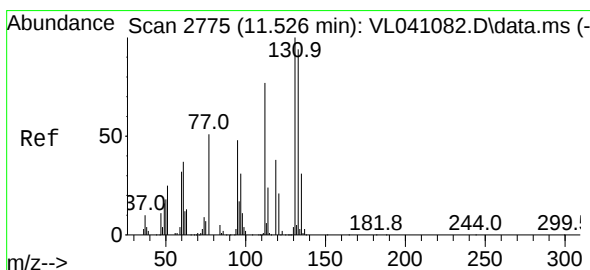
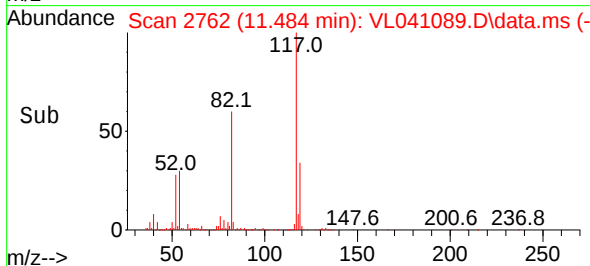
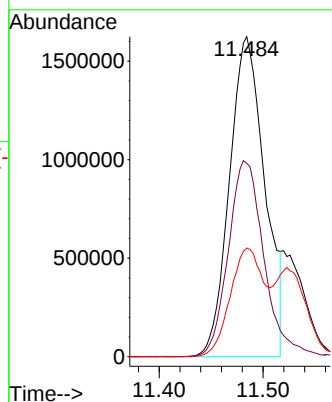
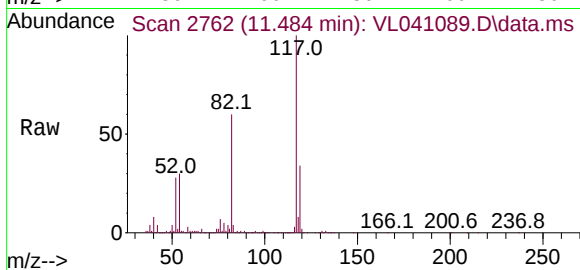
Tgt Ion:117 Resp: 3830395

Ion Ratio Lower Upper

117 100

82 62.4 51.4 77.2

119 32.6 23.7 35.5



#56

1,1,1,2-Tetrachloroethane

Concen: 9.320 ppbv

RT: 11.526 min Scan# 2775

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

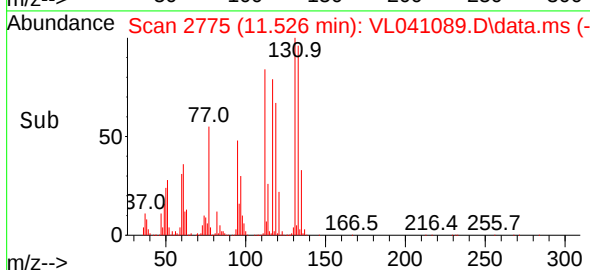
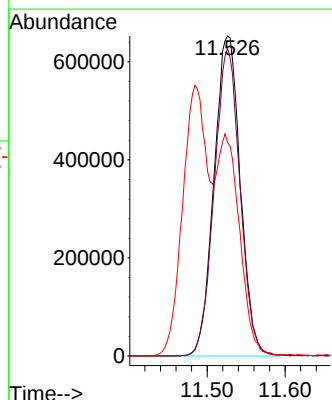
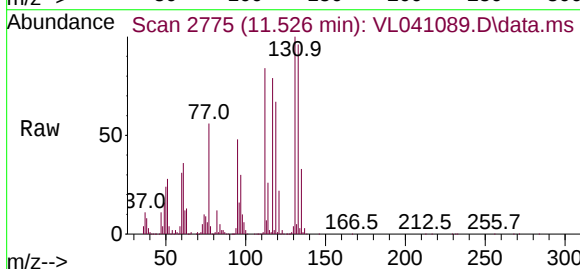
Tgt Ion:131 Resp: 1527461

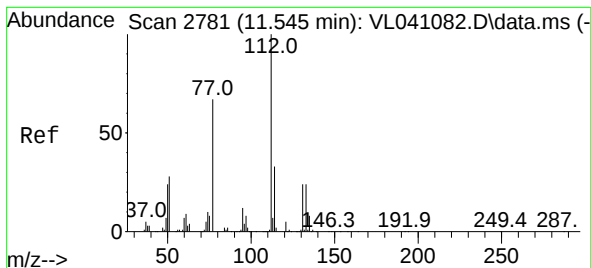
Ion Ratio Lower Upper

131 100

133 94.4 76.1 114.1

119 57.1 51.1 76.7

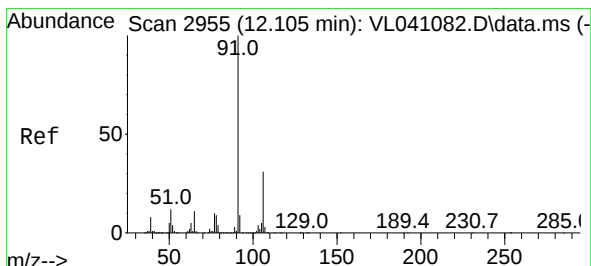
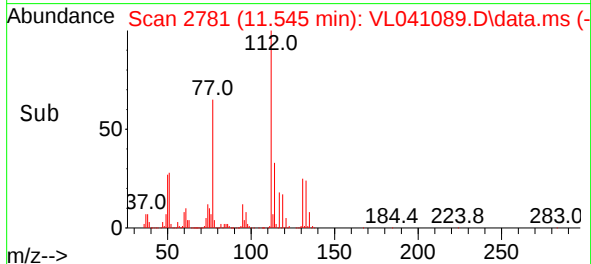
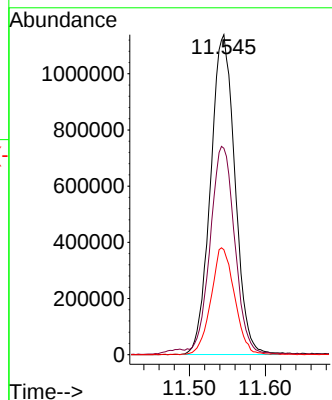
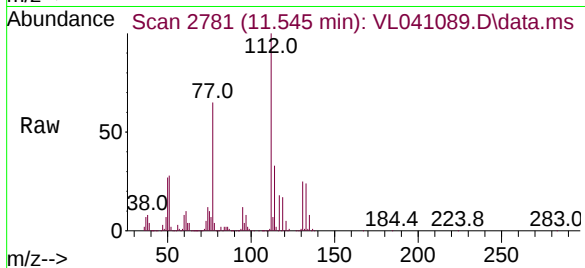




#57
Chlorobenzene
Concen: 9.414 ppbv
RT: 11.545 min Scan# 2781
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

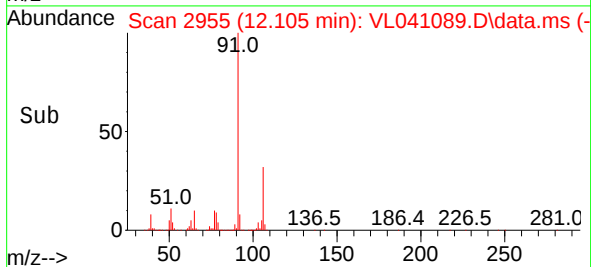
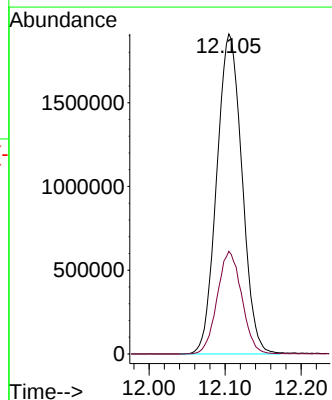
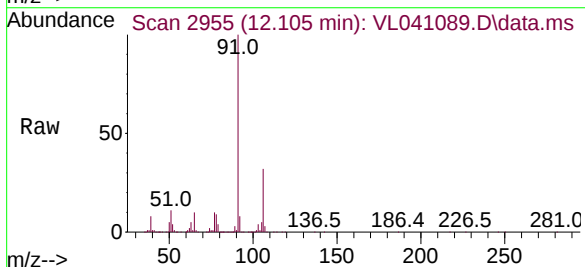
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031124

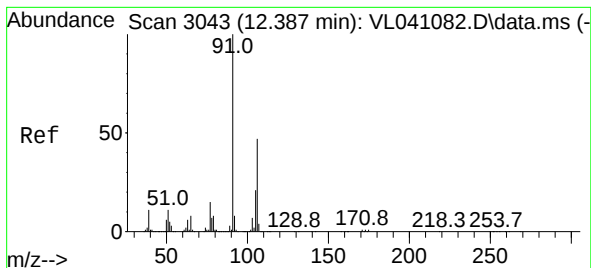
Tgt Ion:112 Resp: 2541859
Ion Ratio Lower Upper
112 100
77 64.2 54.6 81.8
114 32.8 29.4 36.0



#58
Ethyl Benzene
Concen: 9.824 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion: 91 Resp: 4405511
Ion Ratio Lower Upper
91 100
106 32.0 24.6 36.8





#59

m/p-Xylene

Concen: 10.071 ppbv

RT: 12.385 min Scan# 3043

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

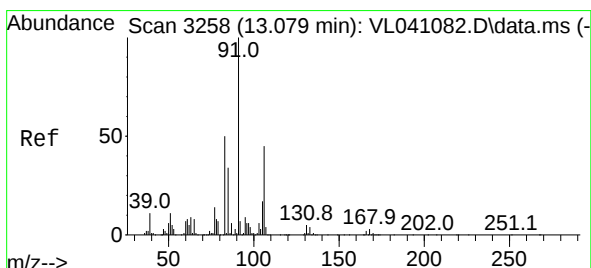
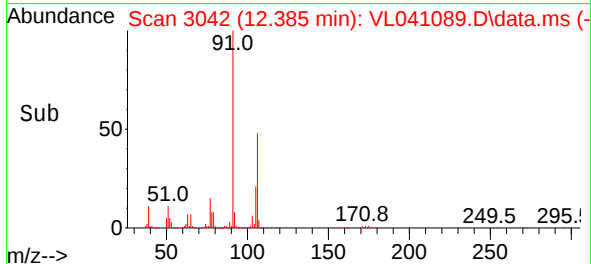
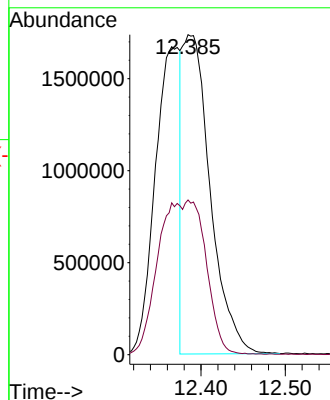
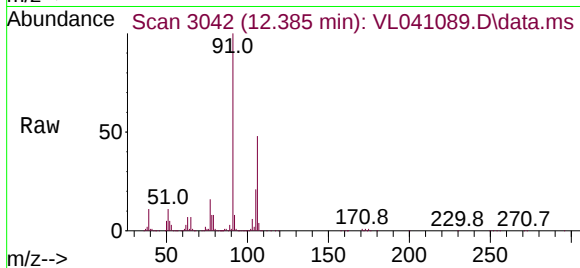
ICVVL031124

Tgt Ion: 91 Resp: 3964494

Ion Ratio Lower Upper

91 100

106 83.0 35.4 53.2#



#60

o-Xylene

Concen: 9.380 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. -0.003 min

Lab File: VL041089.D

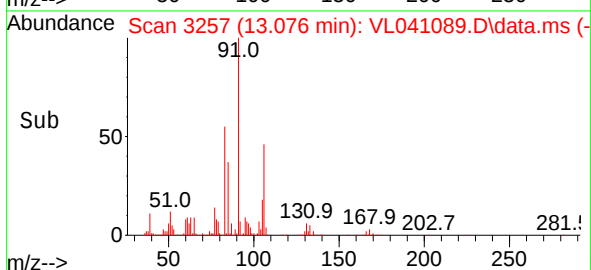
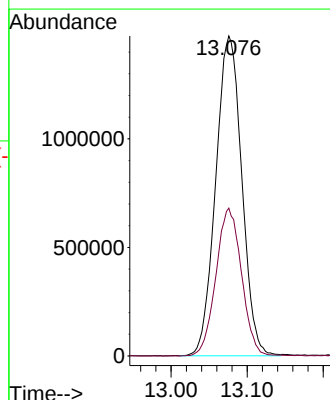
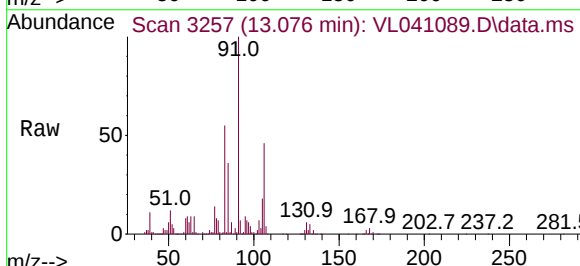
Acq: 11 Mar 2024 16:12

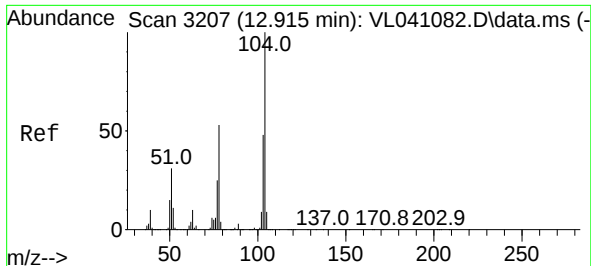
Tgt Ion: 91 Resp: 3505833

Ion Ratio Lower Upper

91 100

106 45.6 22.4 67.3

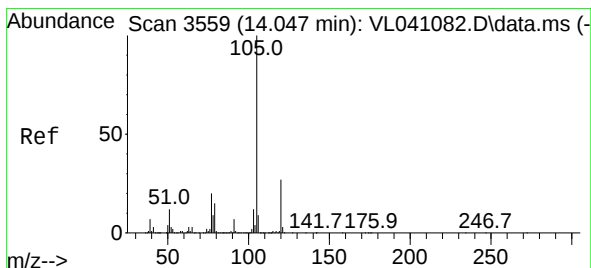
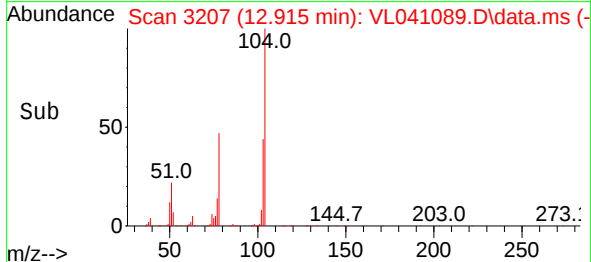
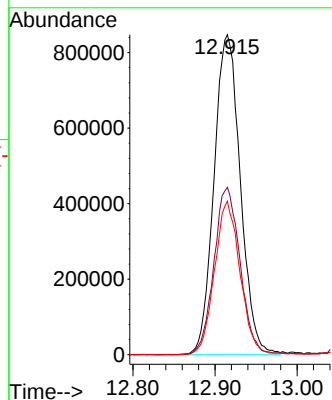
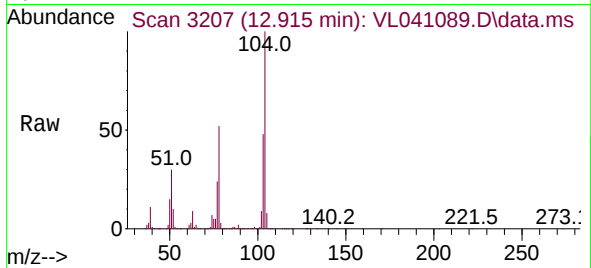




#61
Styrene
Concen: 11.211 ppbv
RT: 12.915 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

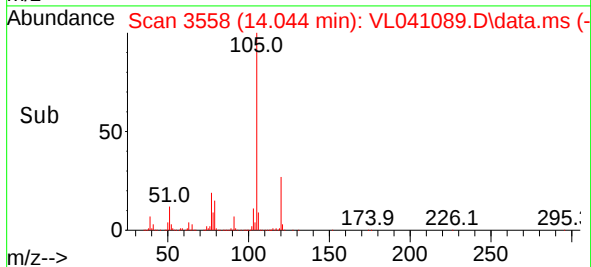
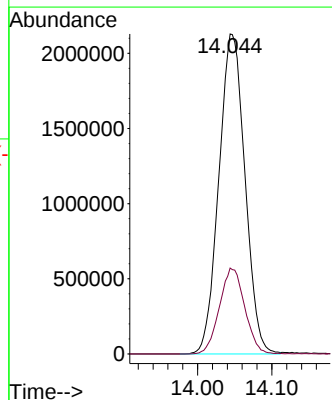
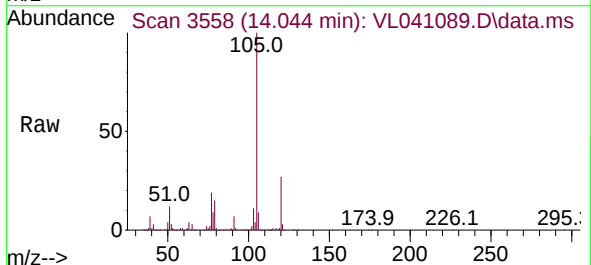
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031124

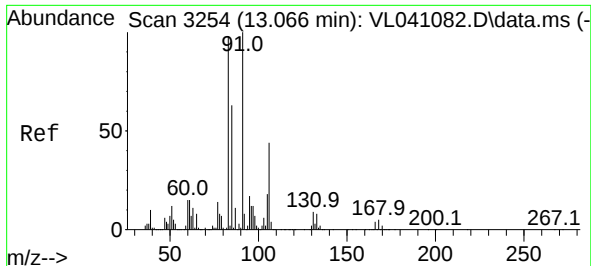
Tgt Ion:104 Resp: 1892175
Ion Ratio Lower Upper
104 100
78 52.5 42.6 64.0
103 46.7 37.3 55.9



#62
Isopropylbenzene
Concen: 9.356 ppbv
RT: 14.044 min Scan# 3558
Delta R.T. -0.003 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion:105 Resp: 5194945
Ion Ratio Lower Upper
105 100
120 26.0 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 9.231 ppbv

RT: 13.063 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

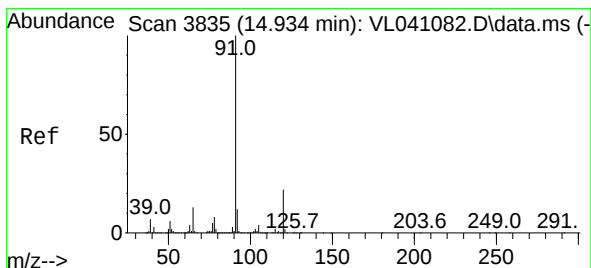
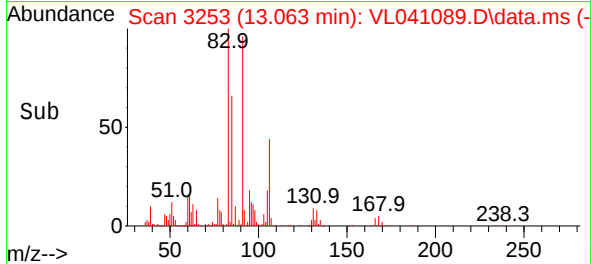
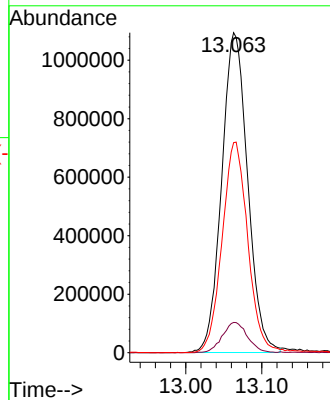
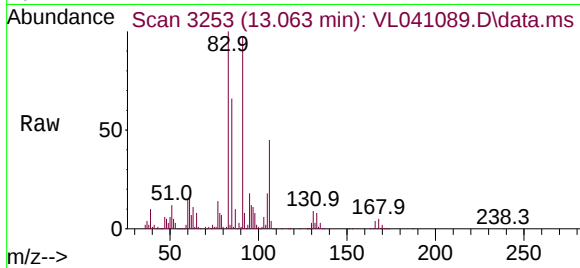
Tgt Ion: 83 Resp: 2593193

Ion Ratio Lower Upper

83 100

131 9.4 4.7 14.0

85 66.1 32.7 98.1



#64

n-propylbenzene

Concen: 9.805 ppbv

RT: 14.934 min Scan# 3835

Delta R.T. 0.000 min

Lab File: VL041089.D

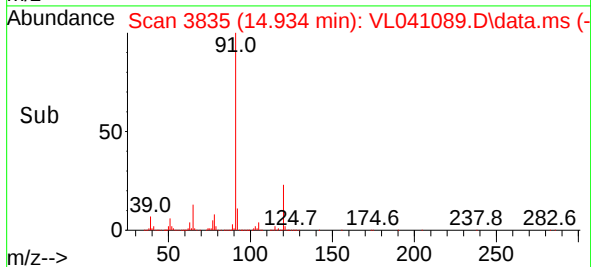
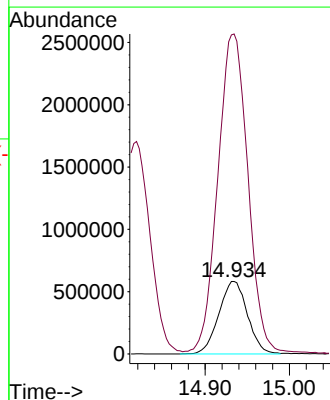
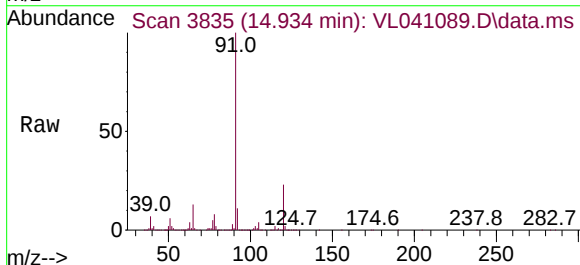
Acq: 11 Mar 2024 16:12

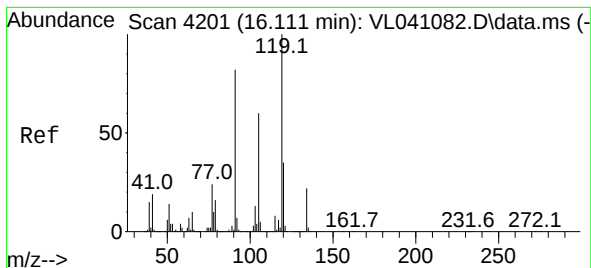
Tgt Ion:120 Resp: 1369823

Ion Ratio Lower Upper

120 100

91 467.8 387.5 581.3





#65

tert-Butylbenzene

Concen: 9.374 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. -0.006 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

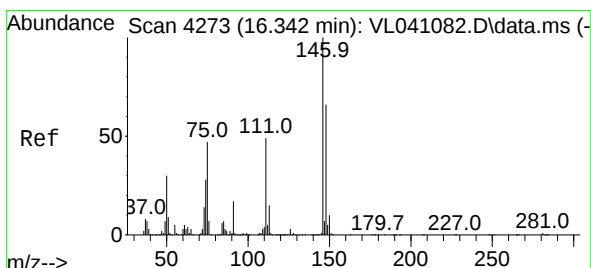
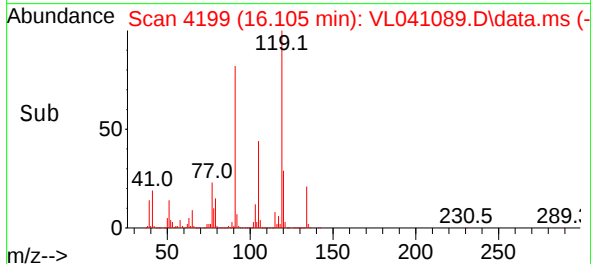
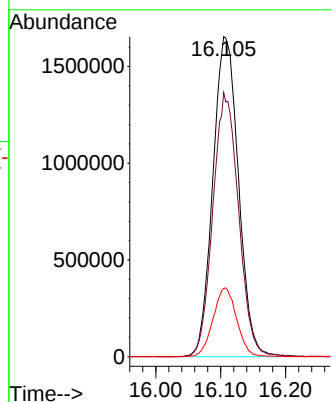
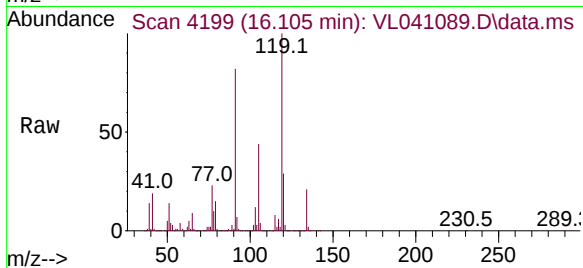
Tgt Ion:119 Resp: 4523476

Ion Ratio Lower Upper

119 100

91 82.6 67.8 101.8

134 19.9 16.2 24.2



#66

Benzyl Chloride

Concen: 10.767 ppbv

RT: 16.346 min Scan# 4274

Delta R.T. 0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

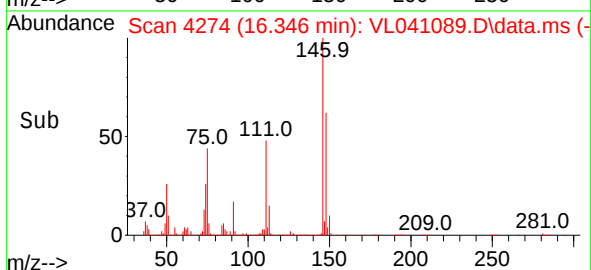
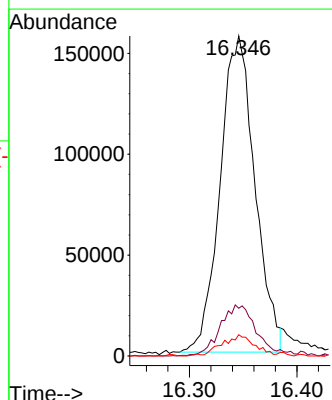
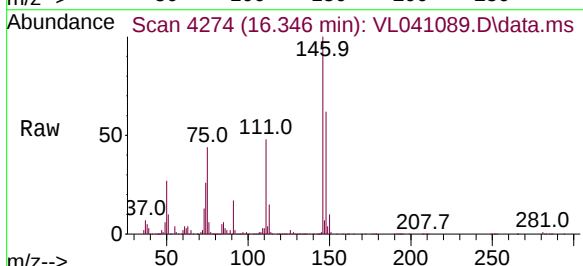
Tgt Ion: 91 Resp: 352043

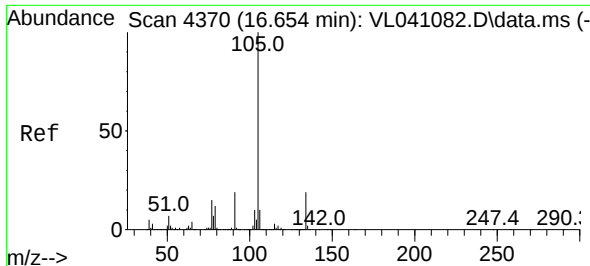
Ion Ratio Lower Upper

91 100

126 17.4 14.1 21.1

128 6.7 4.6 7.0





#67

sec-Butylbenzene

Concen: 9.240 ppbv

RT: 16.654 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

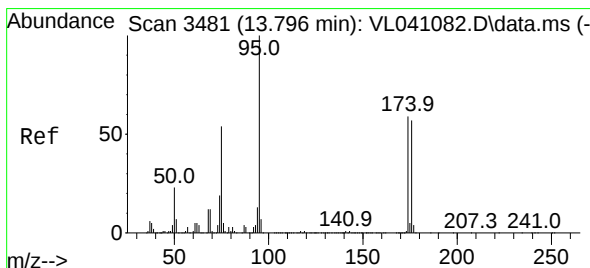
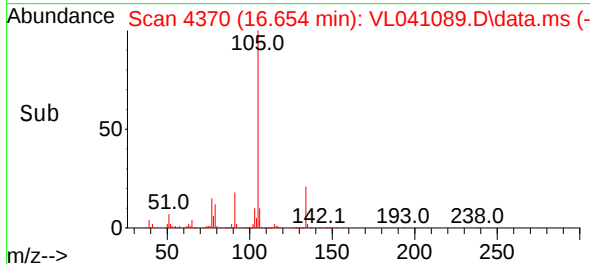
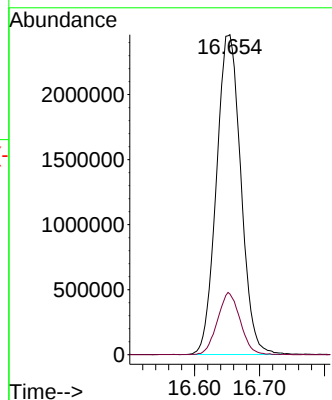
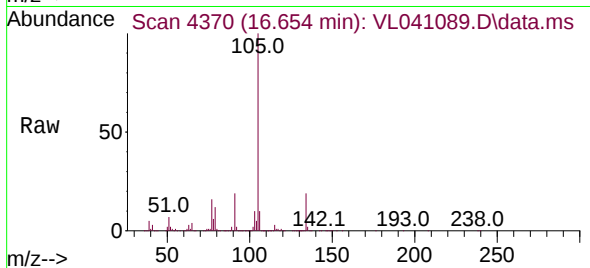
ICVVL031124

Tgt Ion:105 Resp: 6413876

Ion Ratio Lower Upper

105 100

134 18.2 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 9.635 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

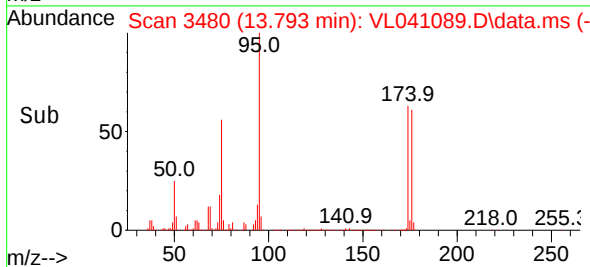
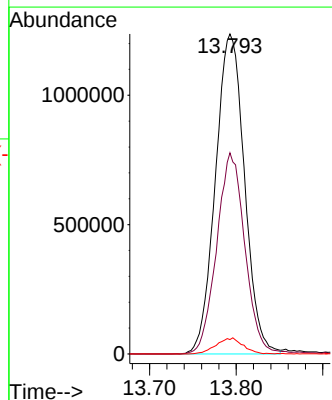
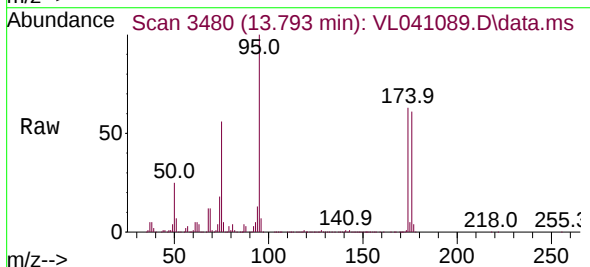
Tgt Ion: 95 Resp: 2885444

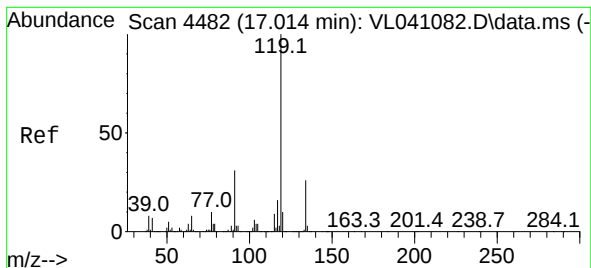
Ion Ratio Lower Upper

95 100

174 61.4 47.8 71.8

175 4.7 3.5 5.3





#69

p-Isopropyltoluene

Concen: 9.664 ppbv

RT: 17.011 min Scan# 4482

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

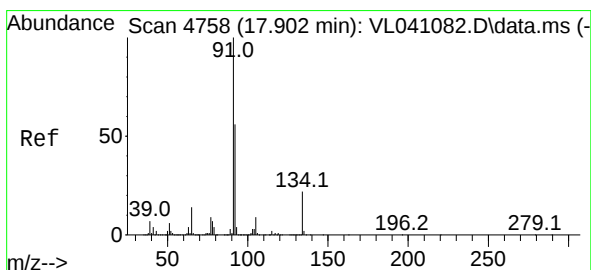
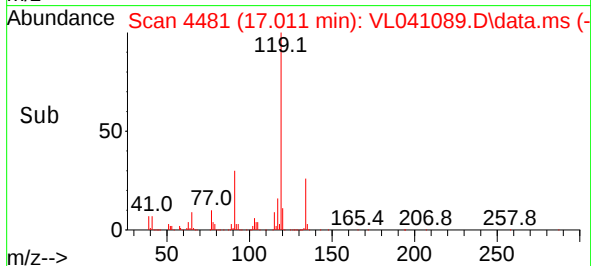
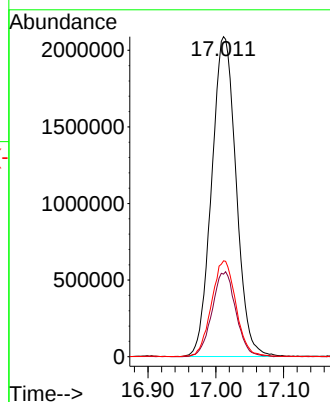
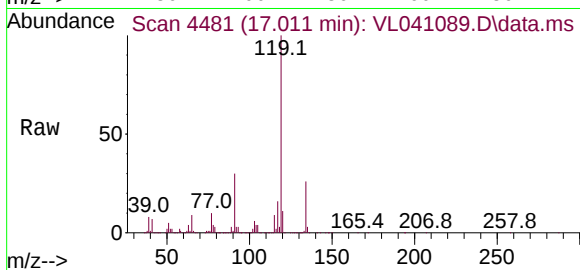
Tgt Ion:119 Resp: 5232726

Ion Ratio Lower Upper

119 100

134 25.9 20.6 30.8

91 29.9 24.7 37.1



#70

n-Butylbenzene

Concen: 9.462 ppbv

RT: 17.902 min Scan# 4758

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

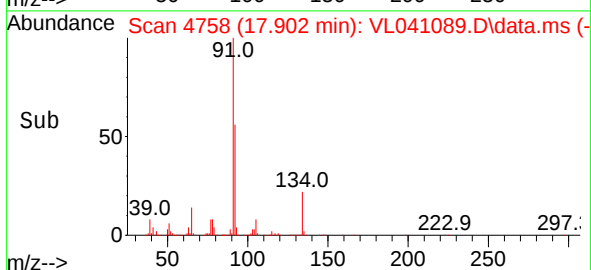
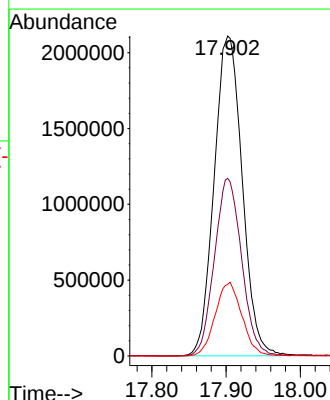
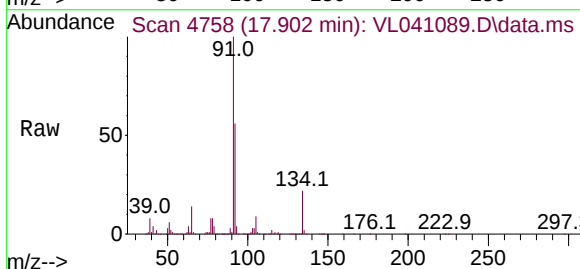
Tgt Ion: 91 Resp: 5537161

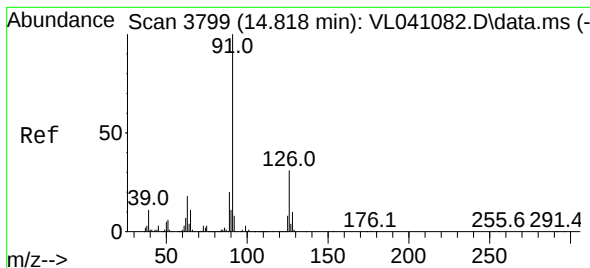
Ion Ratio Lower Upper

91 100

92 54.2 43.4 65.2

134 22.1 17.4 26.0

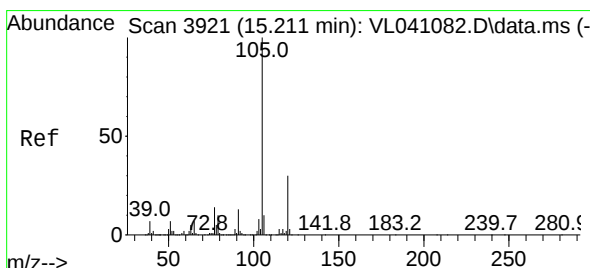
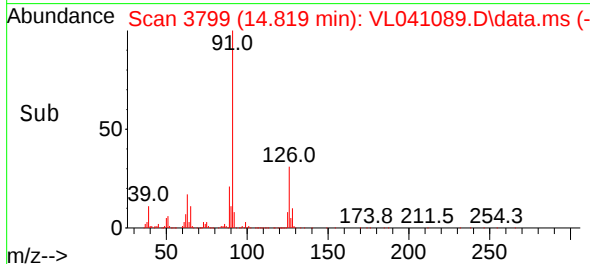
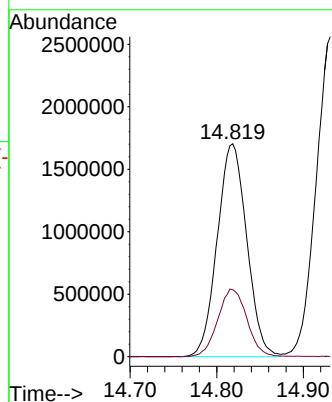
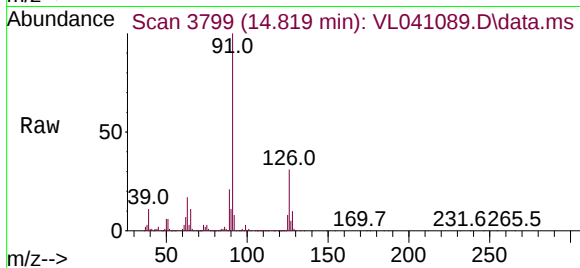




#71
2-Chlorotoluene
Concen: 9.489 ppbv
RT: 14.819 min Scan# 3799
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

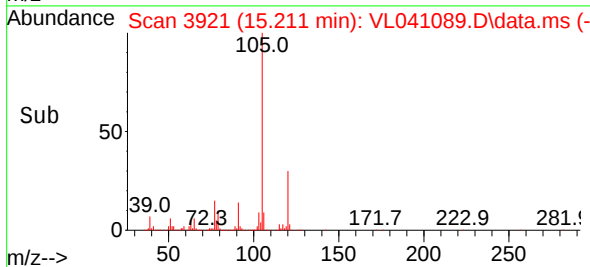
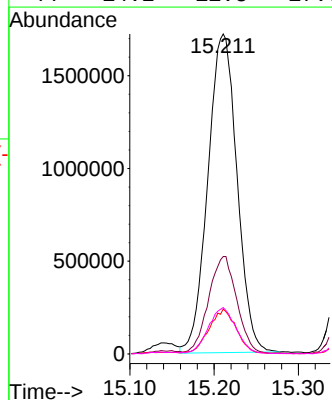
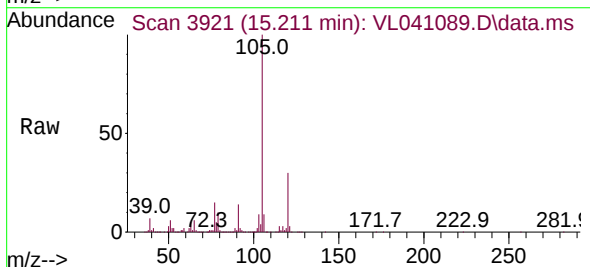
Instrument :
MSVOA_L
ClientSampleId :
ICVVL031124

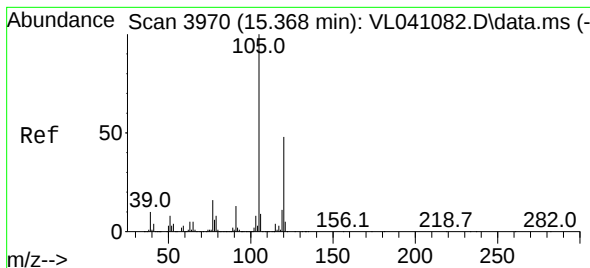
Tgt Ion: 91 Resp: 4029829
Ion Ratio Lower Upper
91 100
126 31.5 12.2 48.8



#72
4-Ethyltoluene
Concen: 10.026 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041089.D
Acq: 11 Mar 2024 16:12

Tgt Ion:105 Resp: 4125791
Ion Ratio Lower Upper
105 100
120 30.0 23.8 35.8
91 13.2 10.9 16.3
77 14.2 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 9.790 ppbv

RT: 15.368 min Scan# 3970

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

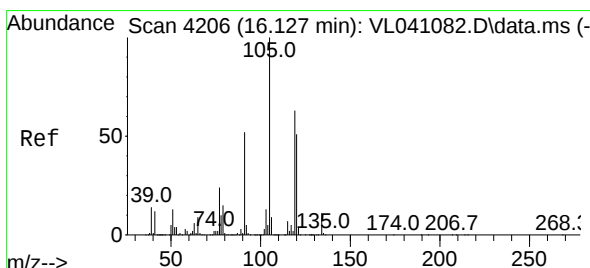
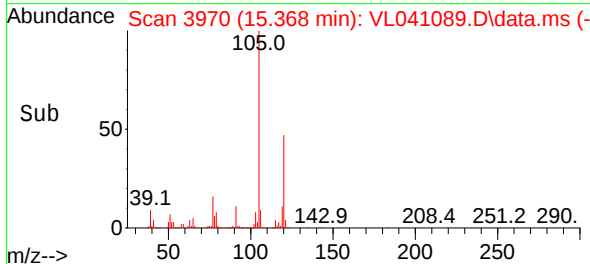
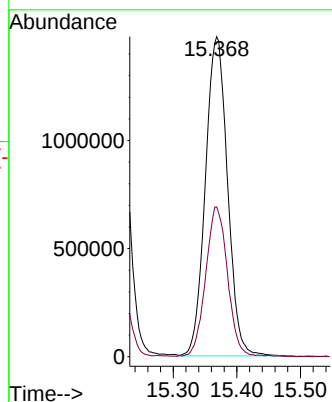
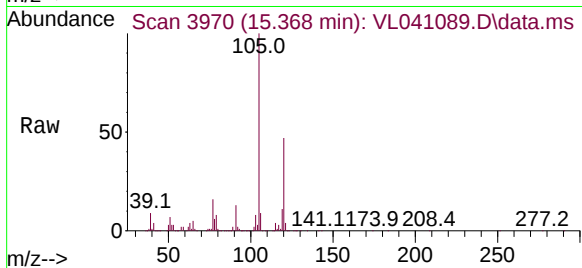
ICVVL031124

Tgt Ion:105 Resp: 3565254

Ion Ratio Lower Upper

105 100

120 46.7 38.7 58.1



#74

1,2,4-Trimethylbenzene

Concen: 9.344 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Tgt Ion:105 Resp: 3886264

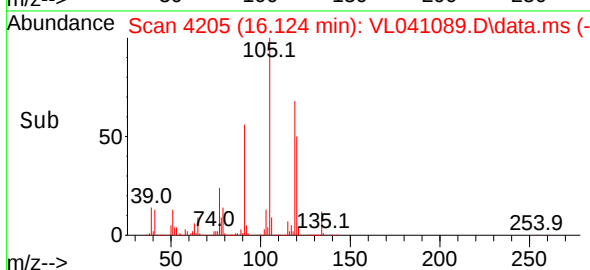
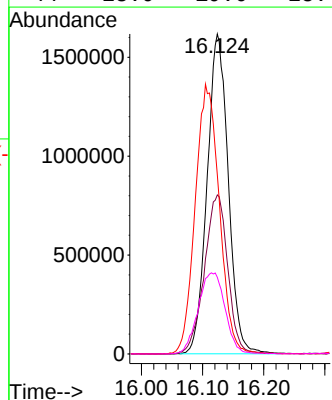
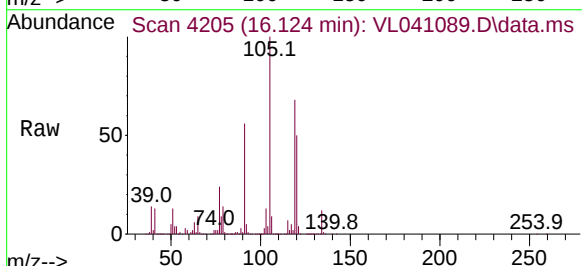
Ion Ratio Lower Upper

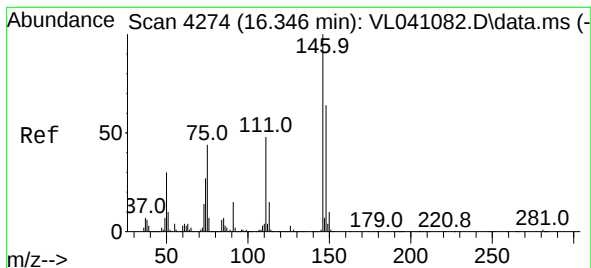
105 100

120 49.6 40.4 60.6

91 55.8 41.4 62.0

77 23.9 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.579 ppbv

RT: 16.346 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

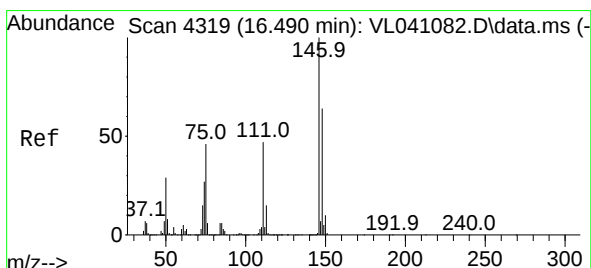
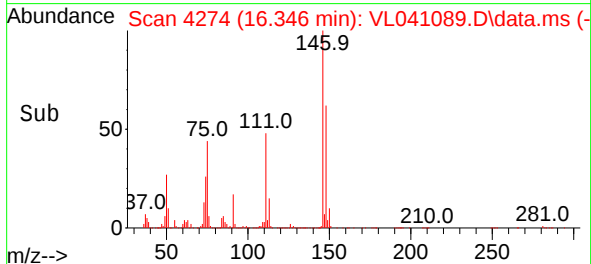
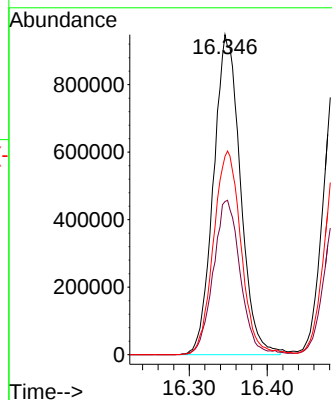
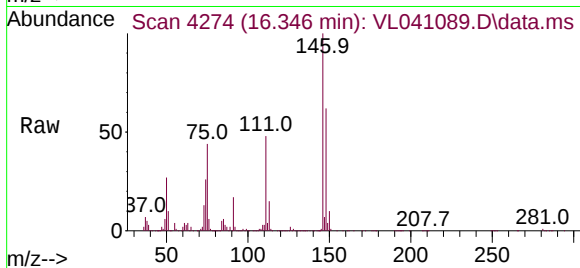
Tgt Ion:146 Resp: 2275290

Ion Ratio Lower Upper

146 100

111 48.6 24.1 72.2

148 65.3 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 9.224 ppbv

RT: 16.491 min Scan# 4319

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

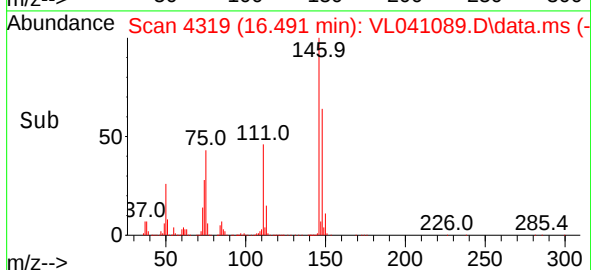
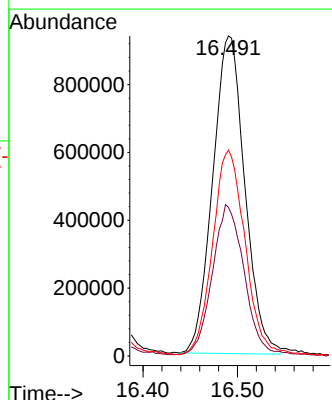
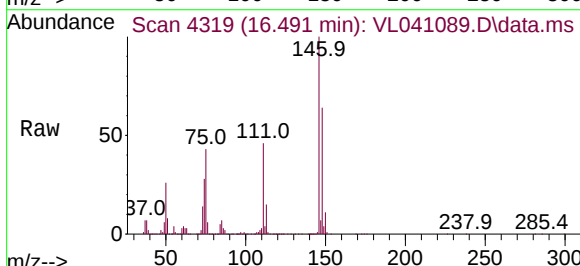
Tgt Ion:146 Resp: 2207419

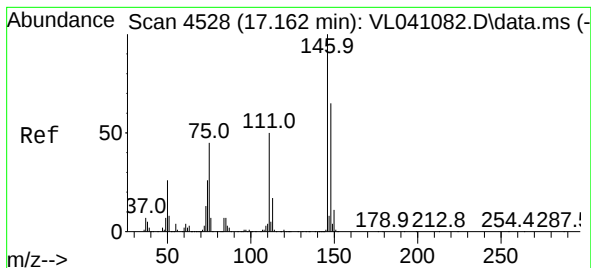
Ion Ratio Lower Upper

146 100

111 47.6 23.9 71.7

148 66.4 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 9.498 ppbv

RT: 17.159 min Scan# 4528

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

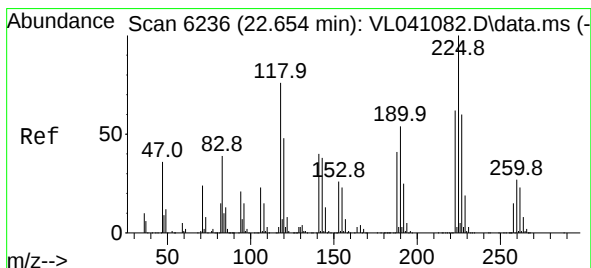
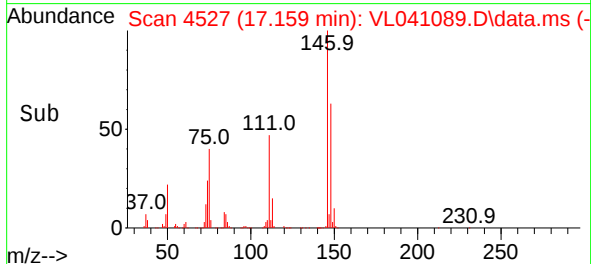
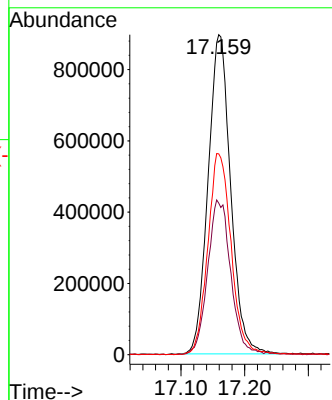
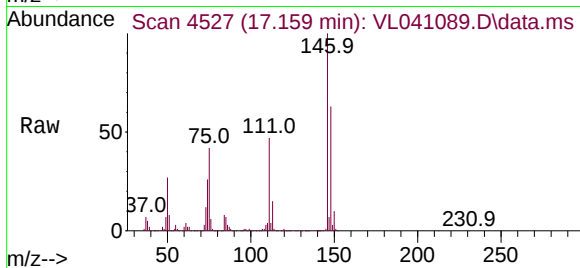
Tgt Ion:146 Resp: 2204431

Ion Ratio Lower Upper

146 100

111 50.0 25.2 75.6

148 65.3 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.243 ppbv

RT: 22.654 min Scan# 6236

Delta R.T. 0.000 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

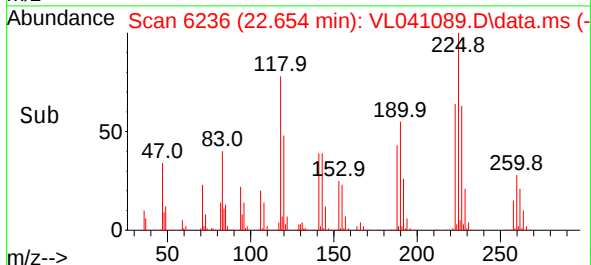
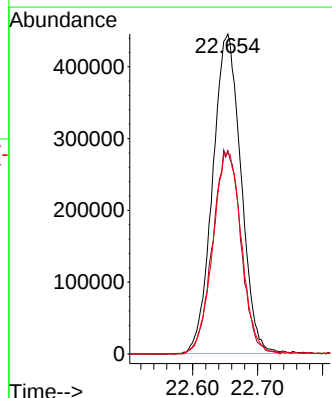
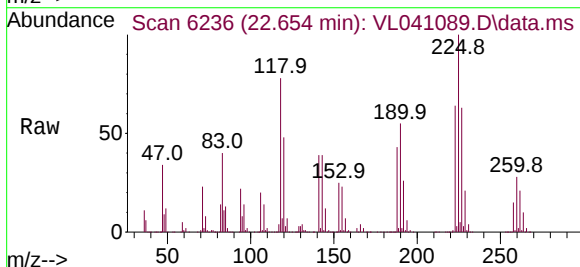
Tgt Ion:225 Resp: 1346900

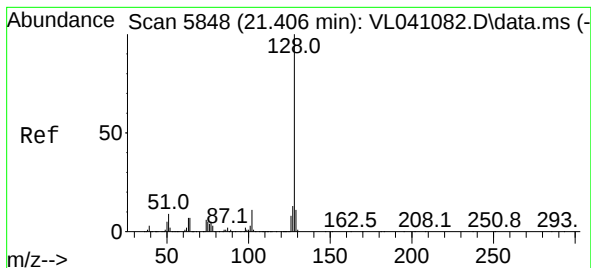
Ion Ratio Lower Upper

225 100

223 64.3 51.1 76.7

227 63.9 51.1 76.7





#79

Naphthalene

Concen: 12.309 ppbv

RT: 21.403 min Scan# 5847

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL031124

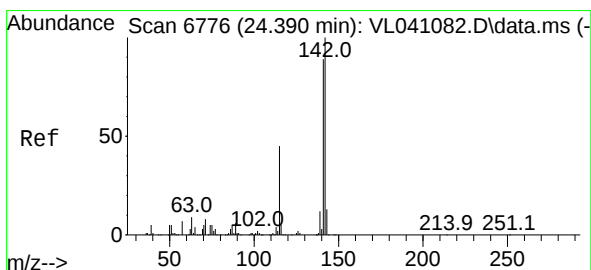
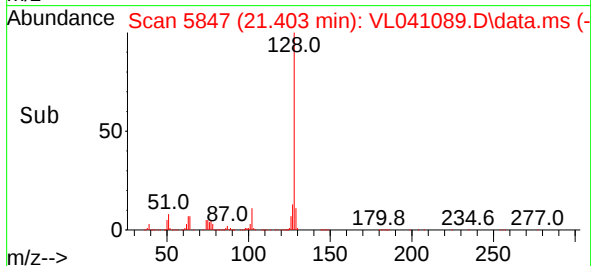
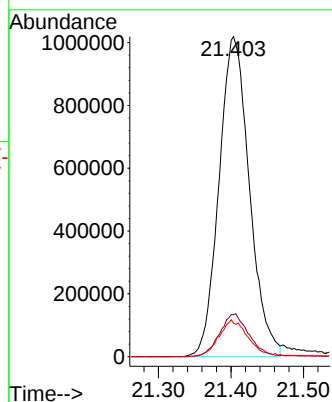
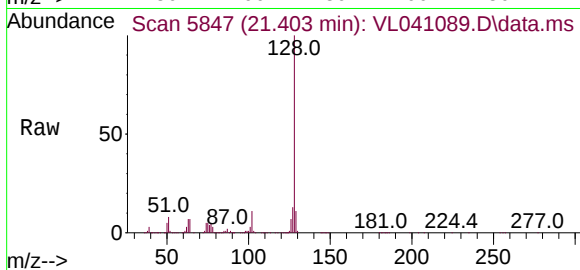
Tgt Ion:128 Resp: 2964674

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

129 10.5 9.0 13.6



#80

Naphthalene, 2-methyl-

Concen: 15.568 ppbv

RT: 24.387 min Scan# 6775

Delta R.T. -0.003 min

Lab File: VL041089.D

Acq: 11 Mar 2024 16:12

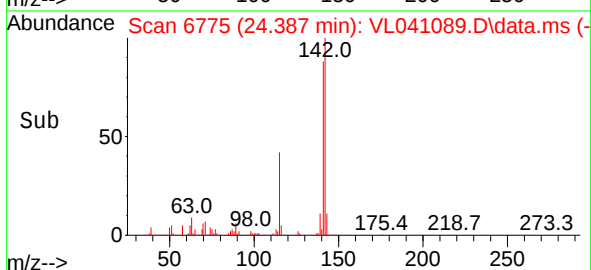
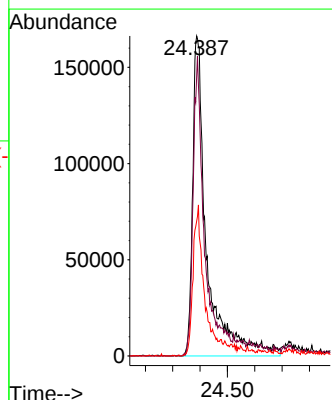
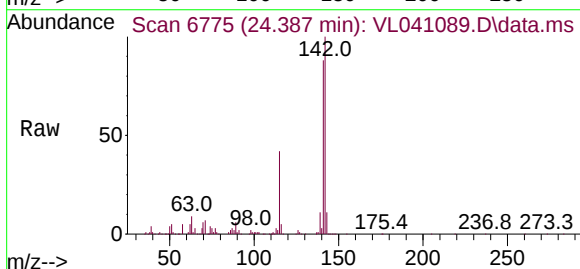
Tgt Ion:142 Resp: 601065

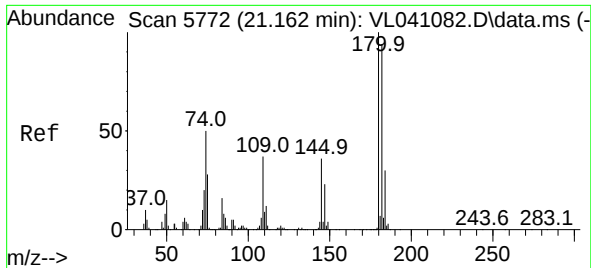
Ion Ratio Lower Upper

142 100

141 79.7 61.3 91.9

115 39.6 35.4 53.2





#81
 1,2,4-Trichlorobenzene
 Concen: 10.502 ppbv
 RT: 21.159 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL041089.D
 Acq: 11 Mar 2024 16:12

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL031124

Tgt Ion:180 Resp: 1456599
 Ion Ratio Lower Upper
 180 100
 182 97.5 78.7 118.1
 184 30.8 25.3 37.9

