

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041634.D
 Acq On : 10 Oct 2024 9:09
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 11 05:35:58 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1116594	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3049006	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.455	117	3526135	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 2153273 8.295 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 83.000%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.706	85	1130095	7.008	ppbv	97
3) Chlorodifluoromethane	2.648	51	1289856	9.524	ppbv	100
4) Chloromethane	2.787	50	712630	9.567	ppbv	97
5) Vinyl Chloride	2.896	62	691965	10.728	ppbv	97
6) Bromomethane	3.095	94	322241	10.042	ppbv	98
7) Chloroethane	3.172	64	246733	9.836	ppbv	98
8) Dichlorotetrafluoroethane	2.832	85	1655253	9.786	ppbv	100
9) Propene	2.668	41	599061	10.487	ppbv	100
10) Heptane	7.565	43	1495305	11.180	ppbv	99
11) Trichlorofluoromethane	3.539	101	1646387	9.595	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.044	101	1250671	10.064	ppbv	100
13) Ethanol	3.227	45	16906	3.936	ppbv	84
14) Bromoethene	3.343	108	495061	10.506	ppbv	99
15) Acetone	3.446	43	1249396	8.913	ppbv	99
16) 1,3-Butadiene	2.960	39	676168	9.917	ppbv	99
17) tert-Butyl alcohol	3.857	59	1191946	9.668	ppbv	100
18) 1,1-Dichloroethene	3.857	96	551572	10.484	ppbv	98
19) Isopropyl Alcohol	3.555	45	615386	8.575	ppbv #	96
20) Methylene Chloride	3.912	84	464409	8.818	ppbv	95
21) Allyl Chloride	3.976	41	865624	10.654	ppbv	99
22) trans-1,2-Dichloroethene	4.426	96	570828	10.876	ppbv	99
23) Vinyl Acetate	4.606	43	903279	11.715	ppbv	99
24) 1,1-Dichloroethane	4.545	63	1207986	10.438	ppbv	99
25) Ethyl Acetate	5.188	43	2682283	10.659	ppbv	100
26) Hexane	5.195	57	1086351	10.351	ppbv	99
27) Carbon Disulfide	4.102	76	1341344	12.023	ppbv	100
28) Methyl tert-Butyl Ether	4.568	73	708228	10.946	ppbv	100
29) Chloroform	5.259	83	1696517	9.878	ppbv	97
30) Cyclohexane	6.584	84	922809	11.407	ppbv	99
31) cis-1,2-Dichloroethene	5.060	61	1042609	10.464	ppbv	98
32) 1,1,1-Trichloroethane	5.986	97	1677460	10.966	ppbv	99
34) 2-Butanone	4.767	43	1384558	9.523	ppbv	100
35) Carbon Tetrachloride	6.478	117	1727708	11.549	ppbv	98
36) Benzene	6.356	78	2326680	10.988	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1288313	10.486	ppbv	99
38) Trichloroethene	7.278	130	1219672	11.185	ppbv	98
39) 1,2-Dichloropropane	7.063	63	892988	10.366	ppbv	97
40) 1,4-Dioxane	7.269	88	361348	11.128	ppbv #	100
41) Tetrahydrofuran	5.542	42	947912	11.848	ppbv	99
42) Bromodichloromethane	7.237	83	1859423	10.878	ppbv	100
43) Methyl Methacrylate	7.462	69	903456	11.923	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	3921613	10.705	ppbv	99
45) t-1,3-Dichloropropene	8.696	75	810834	13.272	ppbv	100

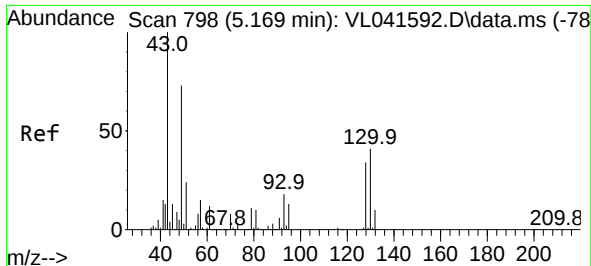
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

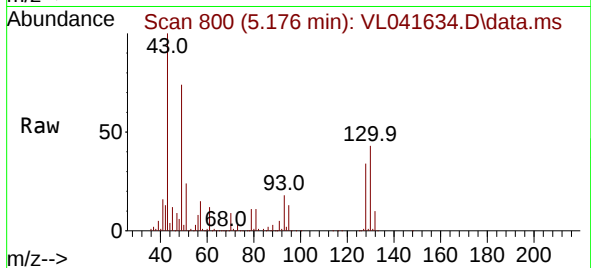
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	1141894	12.758	ppbv	98
47) 1,1,2-Trichloroethane	8.889	97	963782	10.537	ppbv	97
48) Dibromochloromethane	9.700	129	1581721	11.414	ppbv	100
49) Bromoform	12.397	173	1388441	11.672	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2588139	11.527	ppbv	99
51) 2-Hexanone	9.539	43	2045371	12.044	ppbv	100
52) Tetrachloroethene	10.606	164	862099	11.244	ppbv	98
53) Toluene	9.208	91	2687659	11.957	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1301261	11.553	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1180950	8.578	ppbv	97
57) Chlorobenzene	11.516	112	2110229	8.300	ppbv	99
58) Ethyl Benzene	12.079	91	3626835	9.608	ppbv	98
59) m/p-Xylene	12.359	91	3217938	9.579	ppbv #	37
60) o-Xylene	13.050	91	2979311	9.250	ppbv	99
61) Styrene	12.886	104	1447771	10.759	ppbv	100
62) Isopropylbenzene	14.021	105	4288010	8.787	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	1419171	8.618	ppbv	100
64) n-propylbenzene	14.905	120	1149141	9.118	ppbv	99
65) tert-Butylbenzene	16.082	119	3860758	8.631	ppbv	100
66) Benzyl Chloride	16.320	91	112044	4.818	ppbv #	70
67) sec-Butylbenzene	16.625	105	5435465	8.759	ppbv	100
69) p-Isopropyltoluene	16.985	119	4506632	8.971	ppbv	100
70) n-Butylbenzene	17.876	91	4657271	8.850	ppbv	100
71) 2-Chlorotoluene	14.793	91	3245934	9.040	ppbv	99
72) 4-Ethyltoluene	15.182	105	3525876	9.365	ppbv	99
73) 1,3,5-Trimethylbenzene	15.342	105	3026720	9.104	ppbv	97
74) 1,2,4-Trimethylbenzene	16.098	105	3379945	8.686	ppbv	99
75) 1,3-Dichlorobenzene	16.323	146	2062210	8.456	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	2004245	8.576	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	2006325	8.333	ppbv	99
78) Hexachloro-1,3-Butadiene	22.622	225	1423756	7.169	ppbv	100
79) Naphthalene	21.374	128	2824673	9.863	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	1241942	6.189	ppbv	99
81) 1,2,4-Trichlorobenzene	21.133	180	1466922	8.057	ppbv	99

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

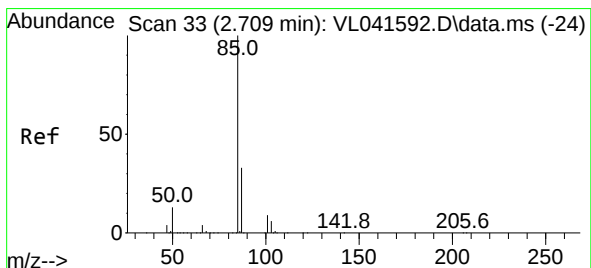
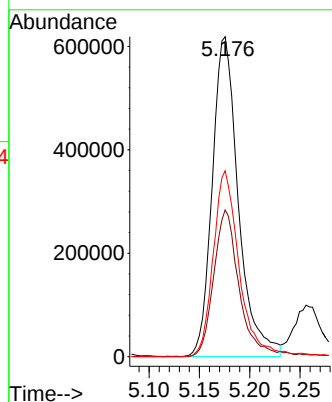
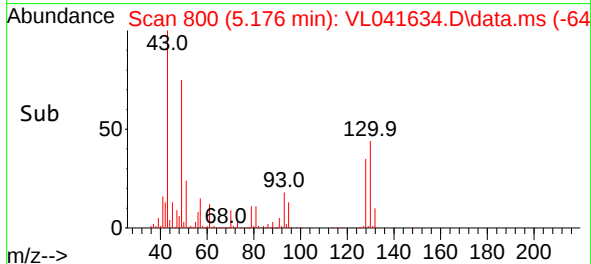


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Instrument :
MSVOA_L
ClientSampleId :

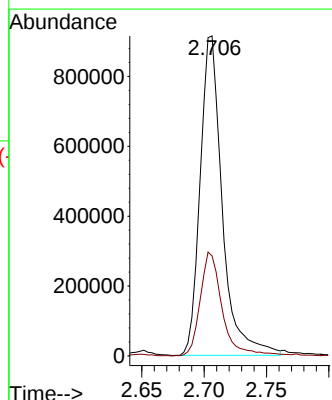
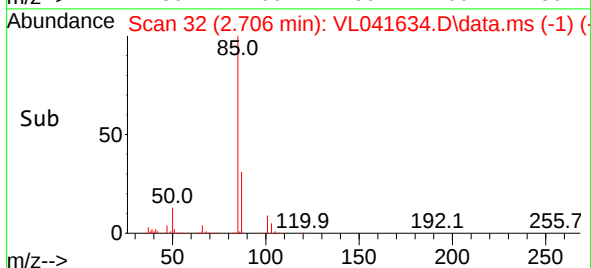
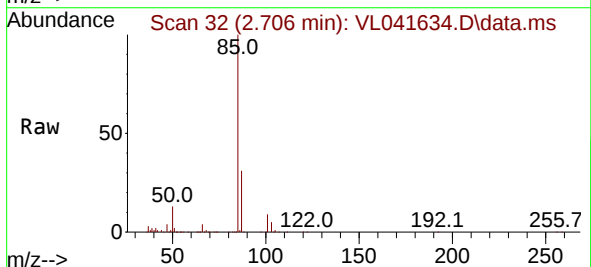


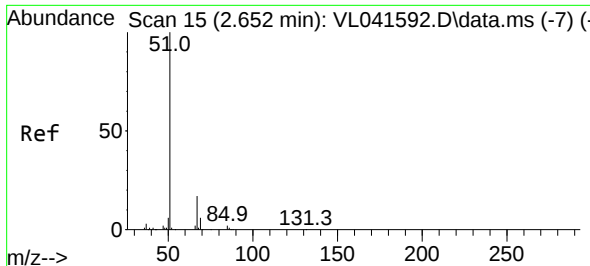
Tgt Ion: 49 Resp: 1116594
Ion Ratio Lower Upper
49 100
128 45.9 23.8 71.5
130 59.1 30.4 91.3



#2
Dichlorodifluoromethane
Concen: 7.008 ppbv
RT: 2.706 min Scan# 32
Delta R.T. -0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 85 Resp: 1130095
Ion Ratio Lower Upper
85 100
87 31.3 26.3 39.5

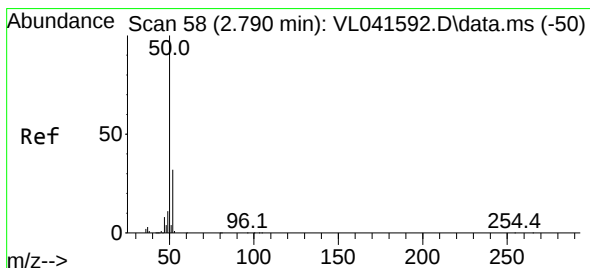
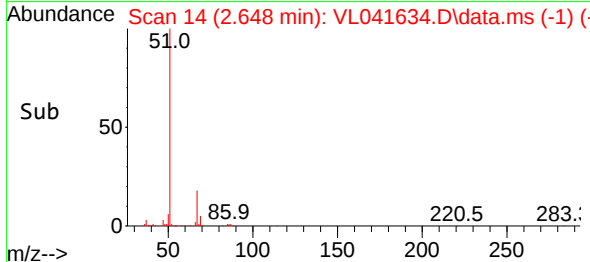
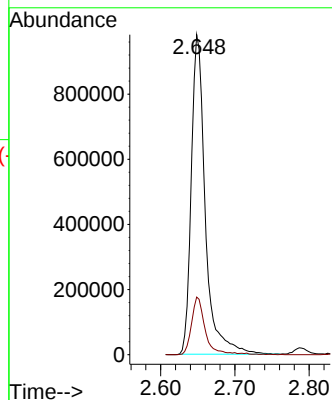
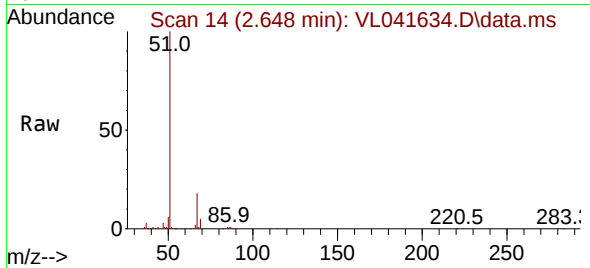




#3
Chlorodifluoromethane
Concen: 9.524 ppbv
RT: 2.648 min Scan# 14
Delta R.T. -0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

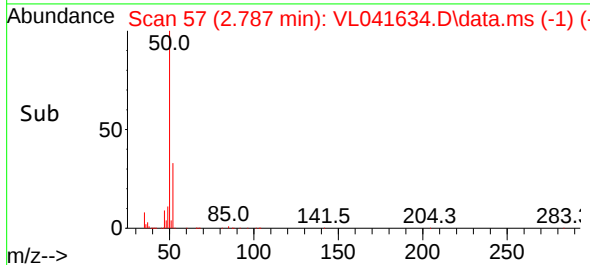
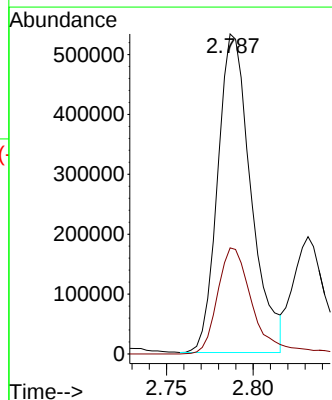
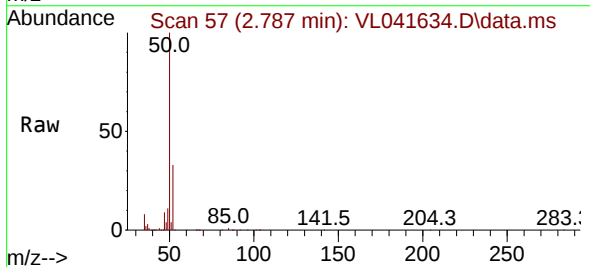
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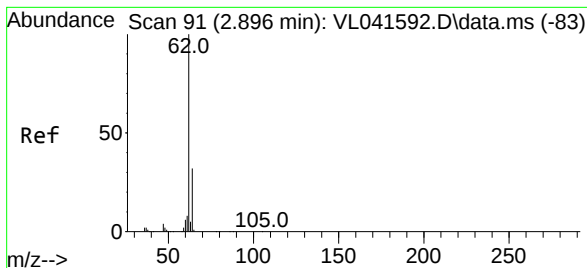
Tgt Ion: 51 Resp: 1289856
Ion Ratio Lower Upper
51 100
67 17.8 14.1 21.1



#4
Chloromethane
Concen: 9.567 ppbv
RT: 2.787 min Scan# 57
Delta R.T. -0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 50 Resp: 712630
Ion Ratio Lower Upper
50 100
52 33.3 25.4 38.2

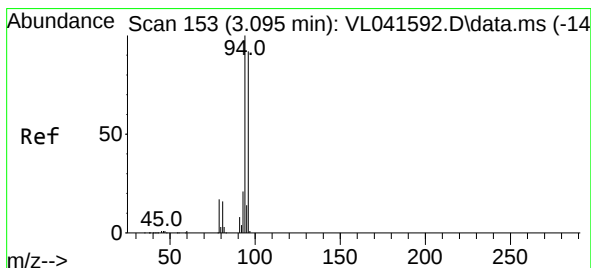
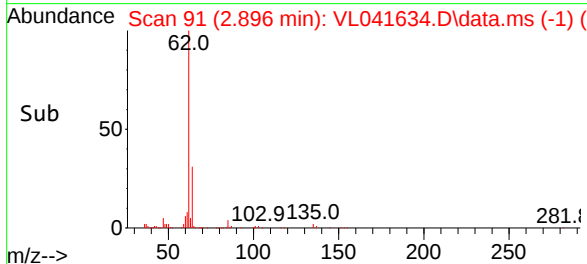
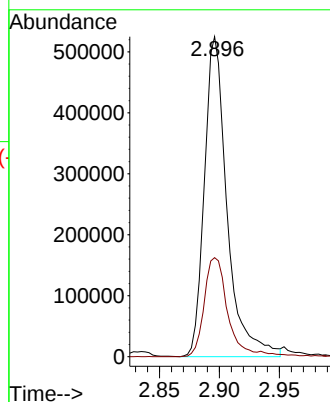
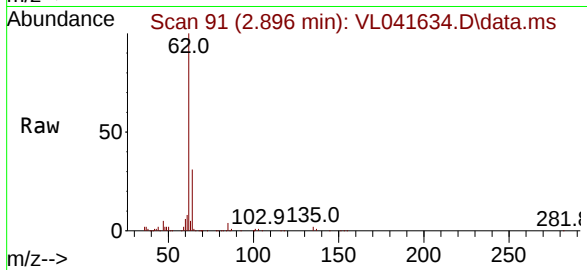




#5
 Vinyl Chloride
 Concen: 10.728 ppbv
 RT: 2.896 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

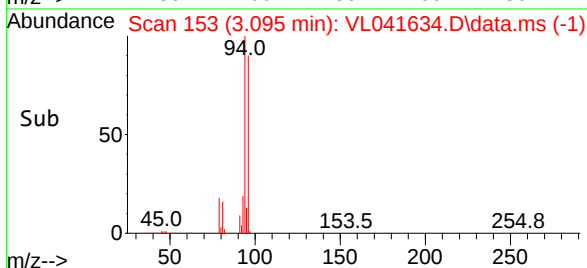
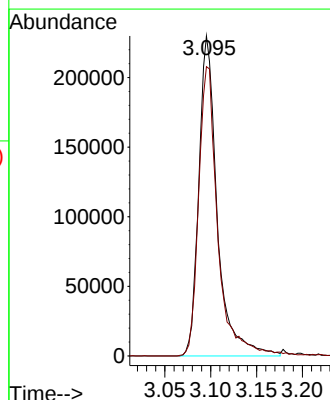
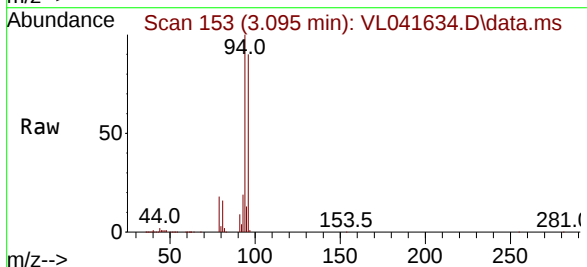
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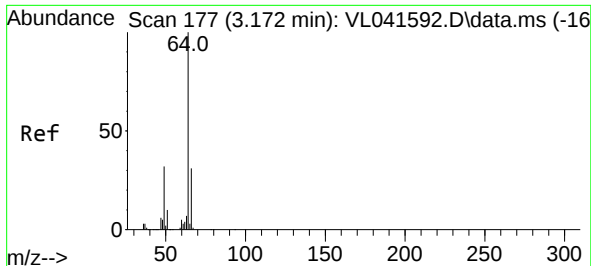
Tgt Ion: 62 Resp: 691965
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.0 39.0



#6
 Bromomethane
 Concen: 10.042 ppbv
 RT: 3.095 min Scan# 153
 Delta R.T. 0.000 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

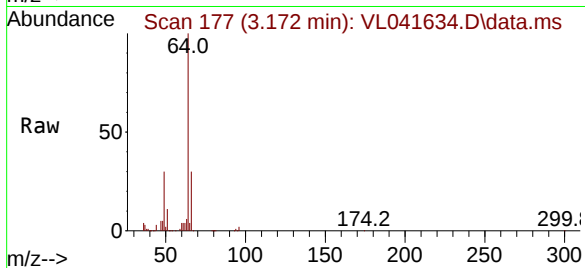
Tgt Ion: 94 Resp: 322241
 Ion Ratio Lower Upper
 94 100
 96 90.2 73.4 110.2



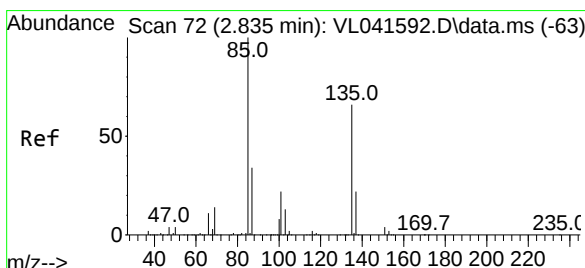
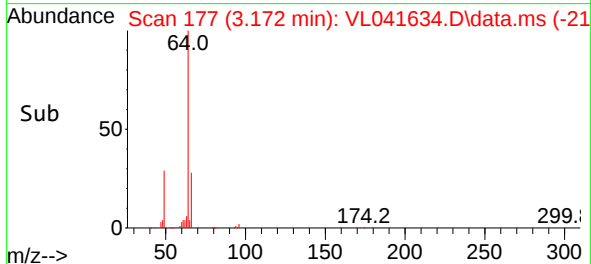
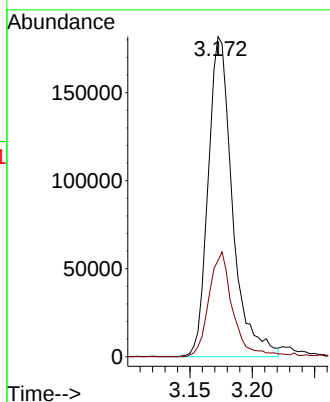


#7
Chloroethane
Concen: 9.836 ppbv
RT: 3.172 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Instrument :
MSVOA_L
ClientSampleId :

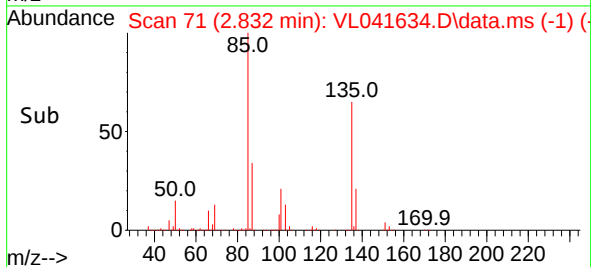
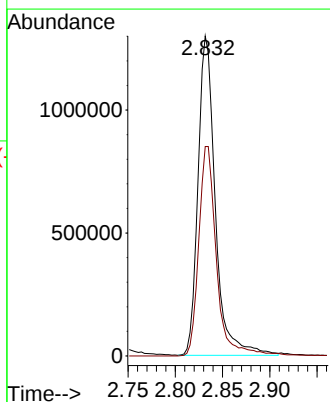
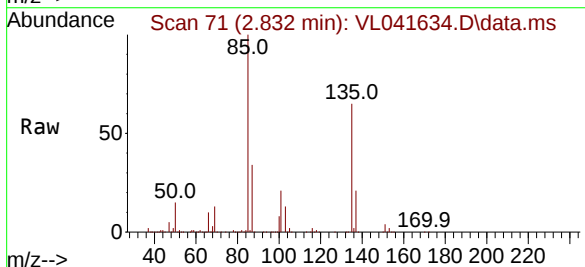


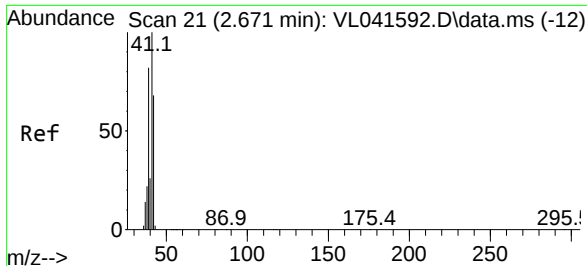
Tgt Ion: 64 Resp: 246733
Ion Ratio Lower Upper
64 100
66 30.1 25.1 37.7



#8
Dichlorotetrafluoroethane
Concen: 9.786 ppbv
RT: 2.832 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 85 Resp: 1655253
Ion Ratio Lower Upper
85 100
135 67.7 53.9 80.9

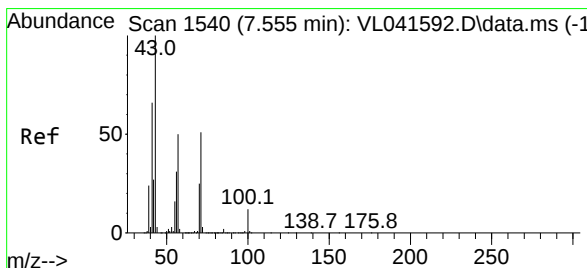
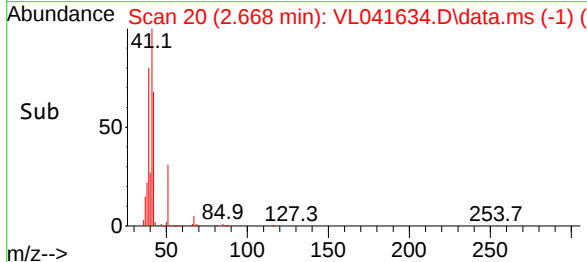
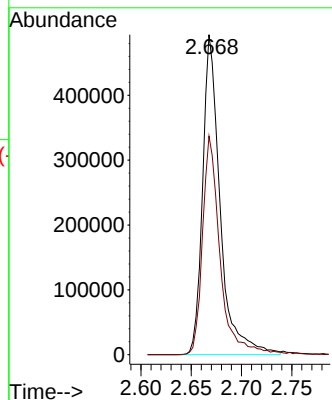
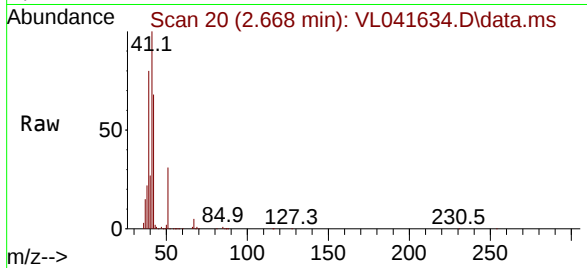




#9
Propene
Concen: 10.487 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

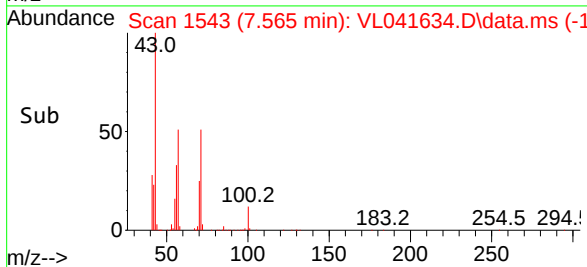
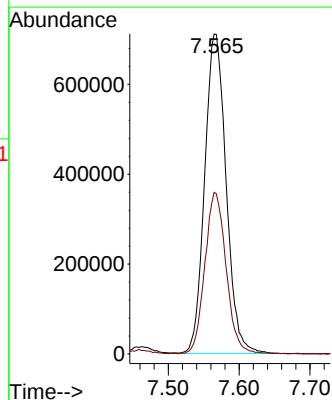
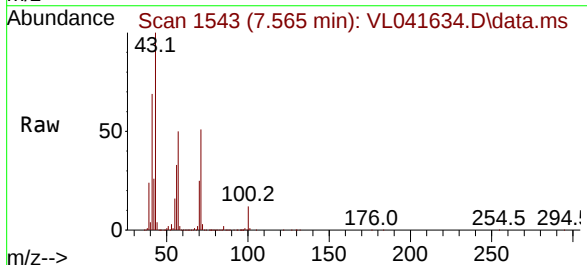
Instrument :
MSVOA_L
ClientSampleId :

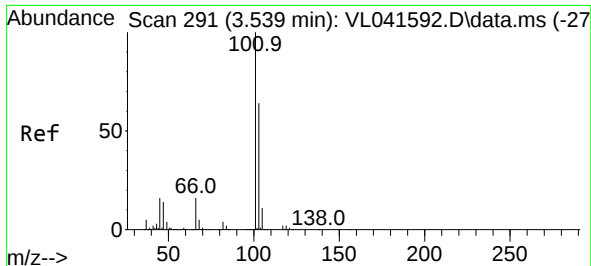
Tgt Ion: 41 Resp: 599061
Ion Ratio Lower Upper
41 100
42 69.1 55.2 82.8



#10
Heptane
Concen: 11.180 ppbv
RT: 7.565 min Scan# 1543
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

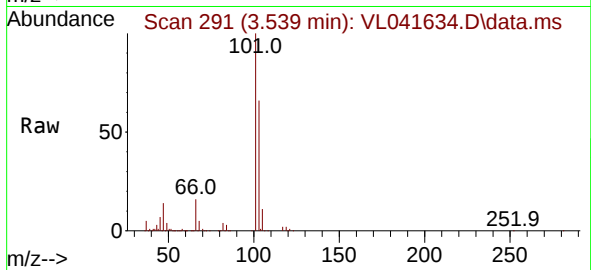
Tgt Ion: 43 Resp: 1495305
Ion Ratio Lower Upper
43 100
57 50.2 39.8 59.8



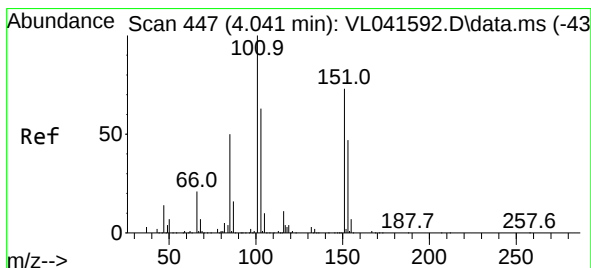
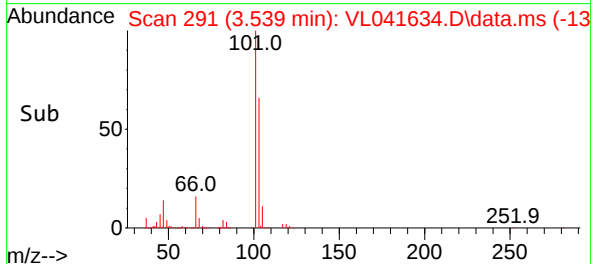
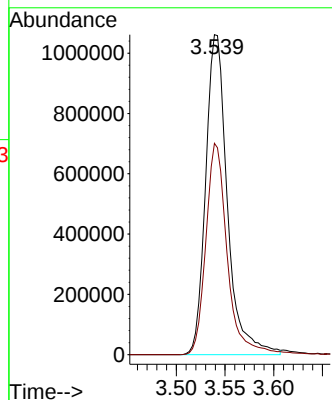


#11
 Trichlorofluoromethane
 Concen: 9.595 ppbv
 RT: 3.539 min Scan# 291
 Delta R.T. 0.000 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

Instrument :
 MSVOA_L
 ClientSampleId :

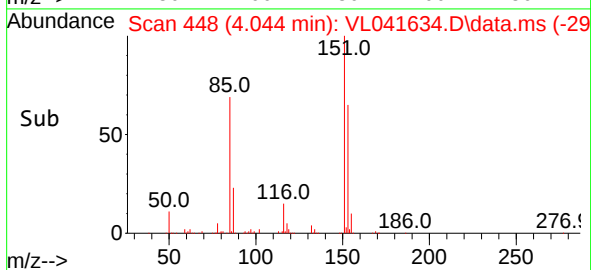
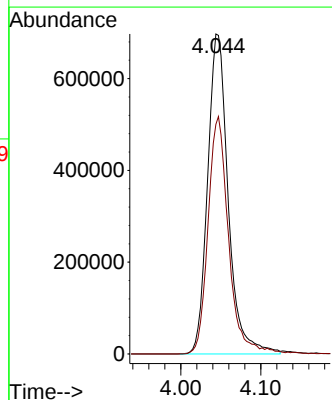
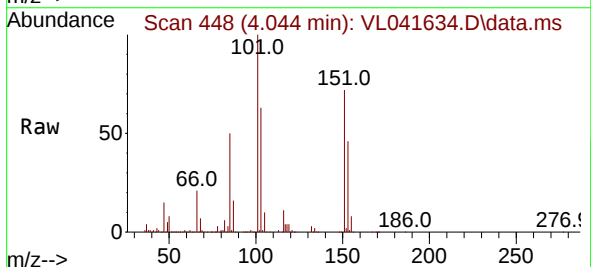


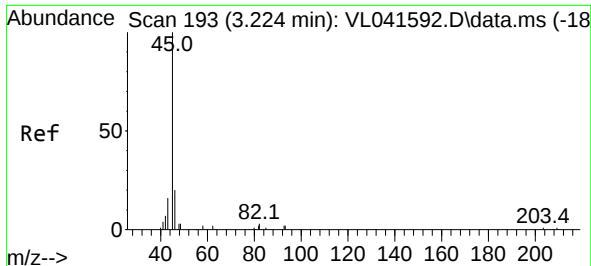
Tgt Ion:101 Resp: 1646387
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.064 ppbv
 RT: 4.044 min Scan# 448
 Delta R.T. 0.003 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

Tgt Ion:101 Resp: 1250671
 Ion Ratio Lower Upper
 101 100
 151 74.2 59.4 89.2

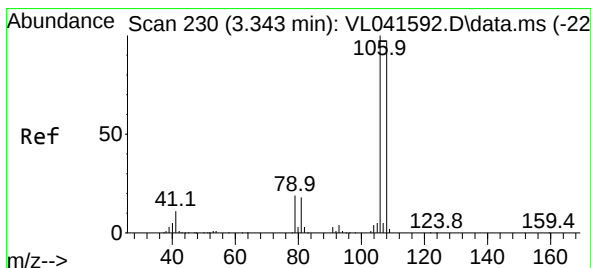
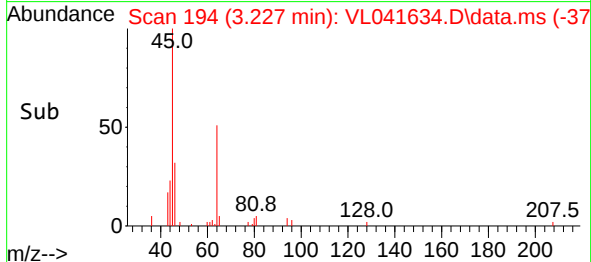
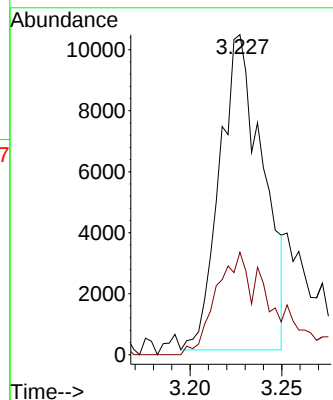
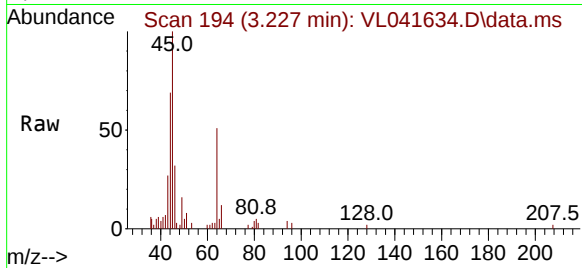




#13
Ethanol
Concen: 3.936 ppbv
RT: 3.227 min Scan# 193
Delta R.T. 0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

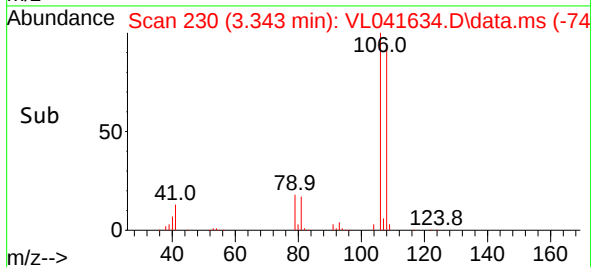
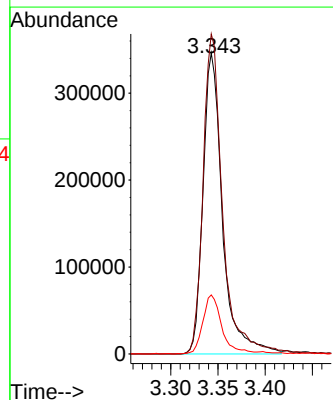
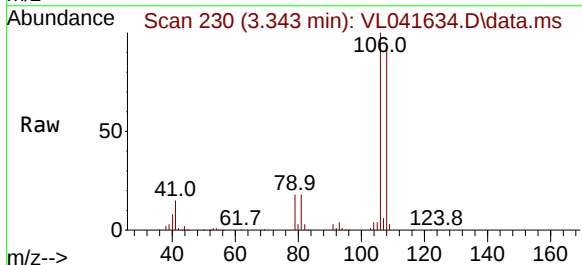
Instrument :
MSVOA_L
ClientSampleId :

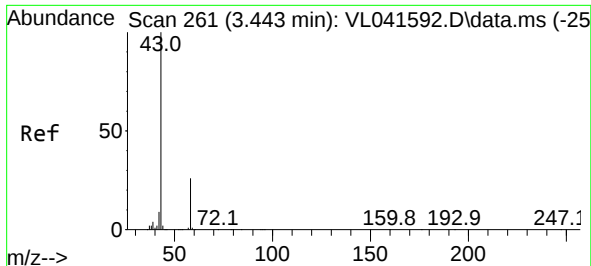
Tgt Ion: 45 Resp: 16906
Ion Ratio Lower Upper
45 100
46 47.4 15.2 60.8



#14
Bromoethene
Concen: 10.506 ppbv
RT: 3.343 min Scan# 230
Delta R.T. 0.000 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 108 Resp: 495061
Ion Ratio Lower Upper
108 100
106 107.5 86.5 129.7
79 20.0 16.2 24.4

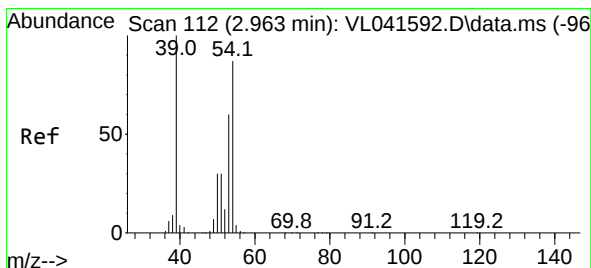
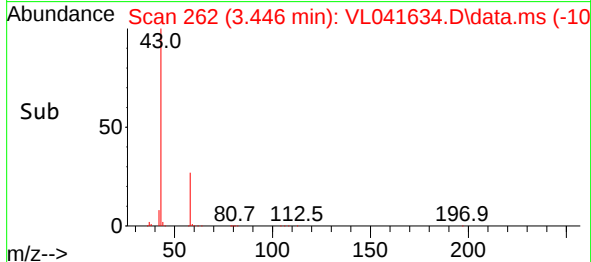
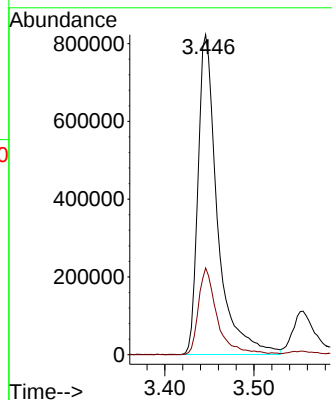
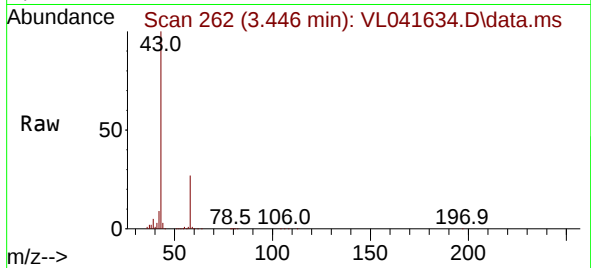




#15
Acetone
Concen: 8.913 ppbv
RT: 3.446 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

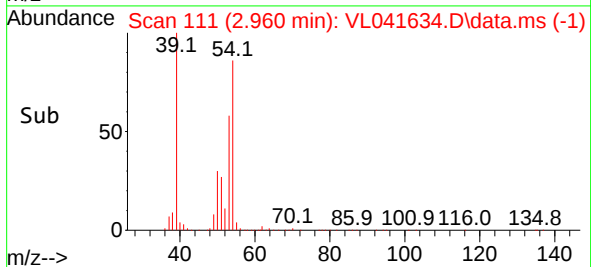
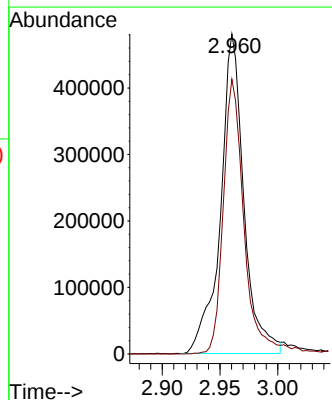
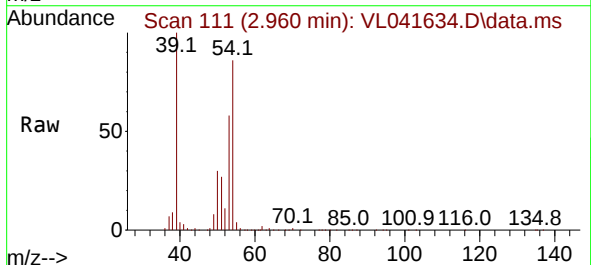
Instrument :
MSVOA_L
ClientSampleId :

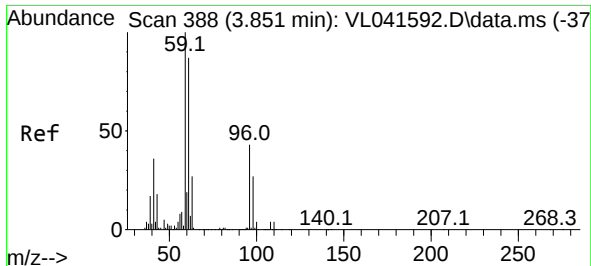
Tgt Ion: 43 Resp: 1249396
Ion Ratio Lower Upper
43 100
58 26.2 21.5 32.3



#16
1,3-Butadiene
Concen: 9.917 ppbv
RT: 2.960 min Scan# 111
Delta R.T. -0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 39 Resp: 676168
Ion Ratio Lower Upper
39 100
54 77.8 62.9 94.3





#17

tert-Butyl alcohol

Concen: 9.668 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.006 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

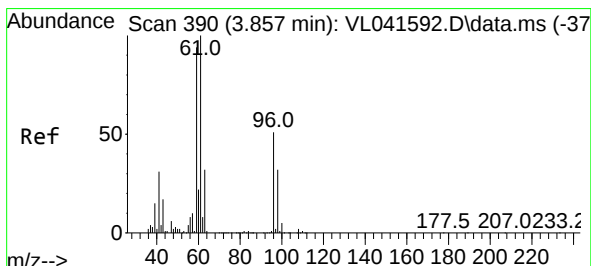
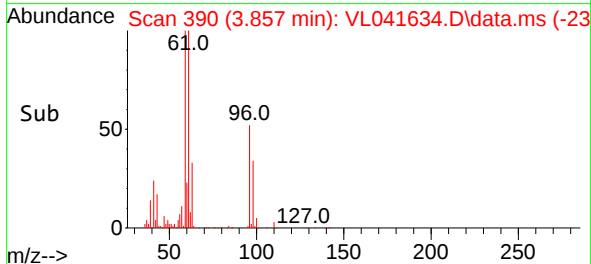
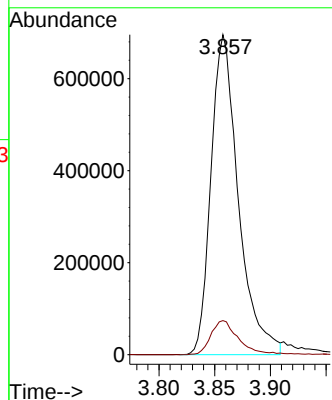
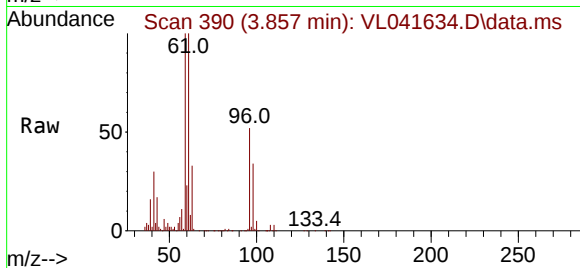
ClientSampleId :

Tgt Ion: 59 Resp: 1191946

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



#18

1,1-Dichloroethene

Concen: 10.484 ppbv

RT: 3.857 min Scan# 390

Delta R.T. 0.000 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

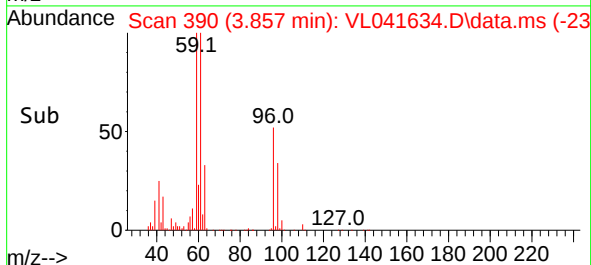
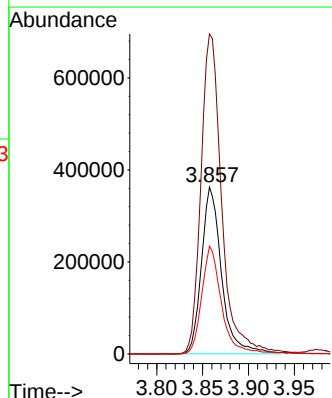
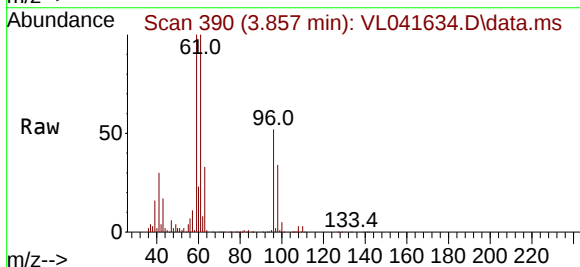
Tgt Ion: 96 Resp: 551572

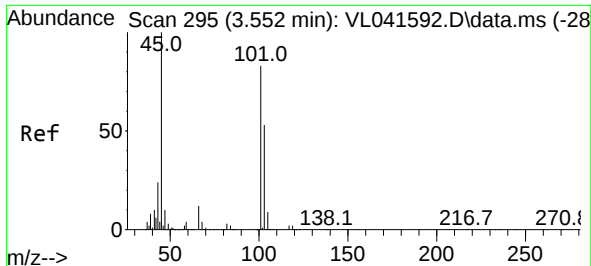
Ion Ratio Lower Upper

96 100

61 191.9 155.6 233.4

98 64.5 50.6 75.8

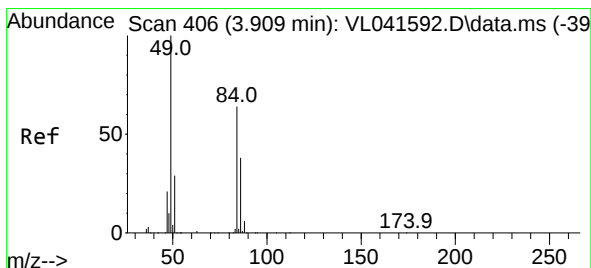
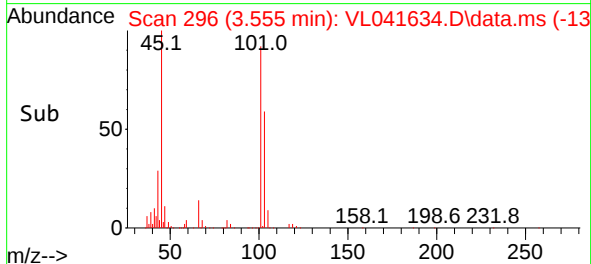
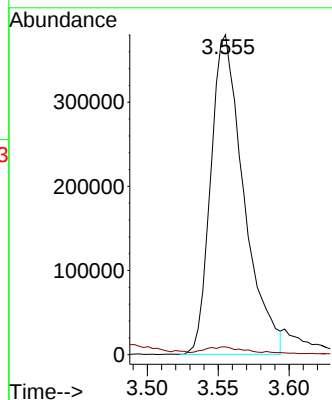
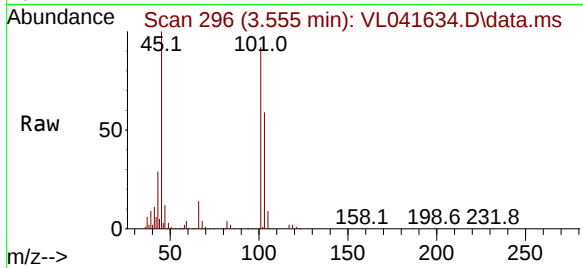




#19
Isopropyl Alcohol
Concen: 8.575 ppbv
RT: 3.555 min Scan# 295
Delta R.T. 0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

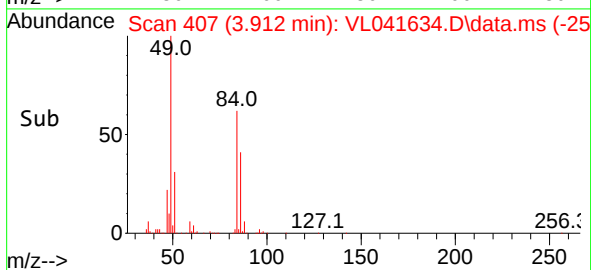
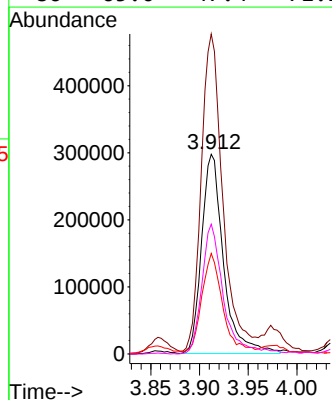
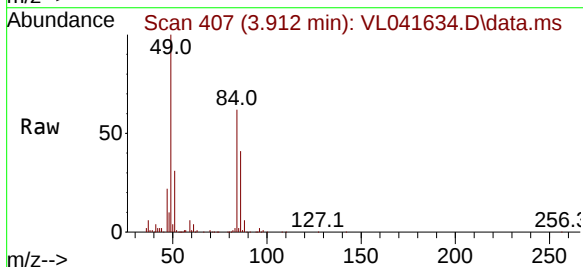
Instrument :
MSVOA_L
ClientSampleId :

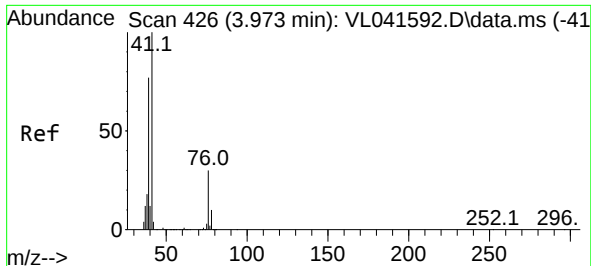
Tgt Ion: 45 Resp: 615386
Ion Ratio Lower Upper
45 100
58 4.1 2.1 3.1#



#20
Methylene Chloride
Concen: 8.818 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.003 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 84 Resp: 464409
Ion Ratio Lower Upper
84 100
49 159.4 124.3 186.5
51 49.1 36.3 54.5
86 65.0 47.4 71.2

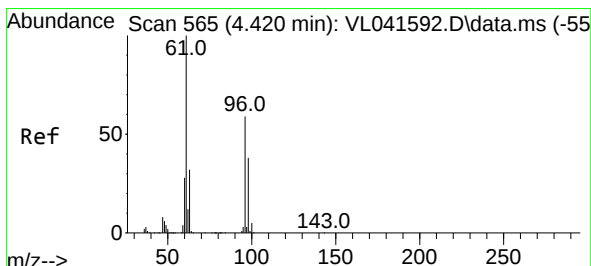
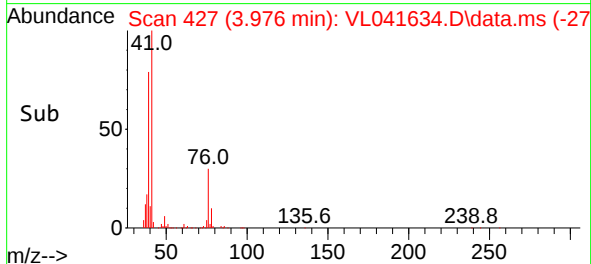
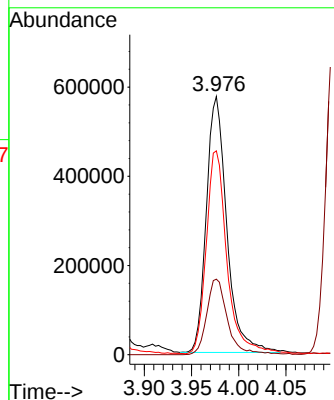
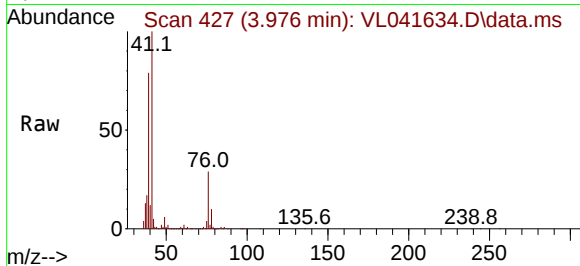




#21
 Allyl Chloride
 Concen: 10.654 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

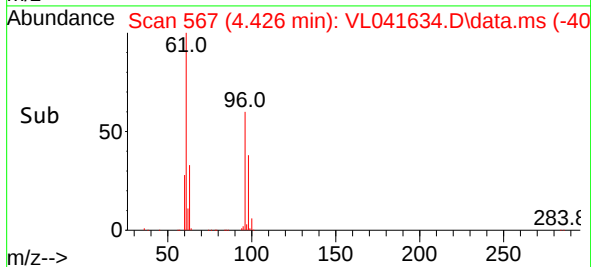
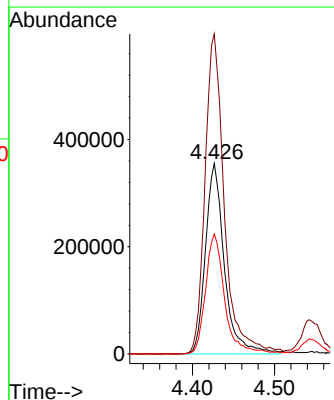
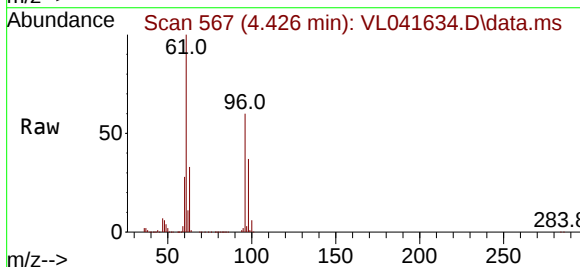
Instrument :
 MSVOA_L
 ClientSampleId :

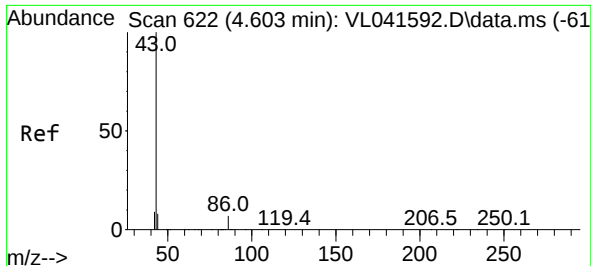
Tgt Ion: 41 Resp: 865624
 Ion Ratio Lower Upper
 41 100
 76 30.0 23.8 35.6
 39 80.4 63.9 95.9



#22
 trans-1,2-Dichloroethene
 Concen: 10.876 ppbv
 RT: 4.426 min Scan# 567
 Delta R.T. 0.006 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

Tgt Ion: 96 Resp: 570828
 Ion Ratio Lower Upper
 96 100
 61 167.9 135.7 203.5
 98 62.9 50.9 76.3

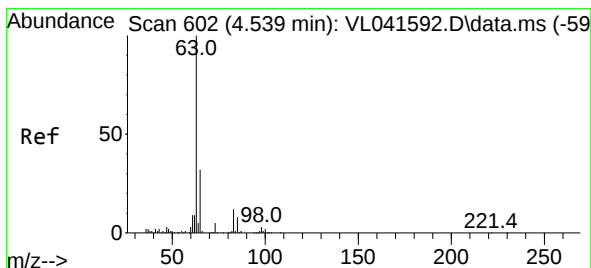
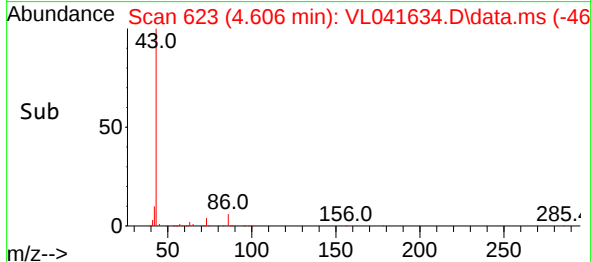
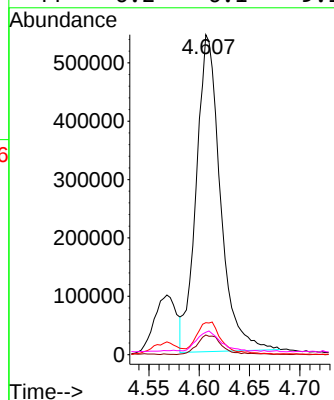
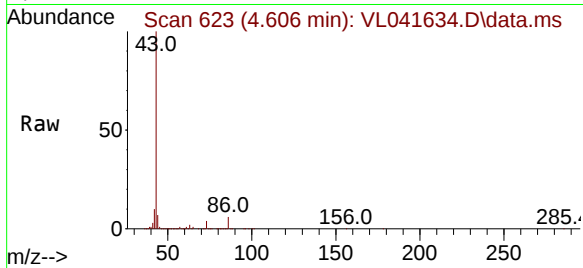




#23
 Vinyl Acetate
 Concen: 11.715 ppbv
 RT: 4.606 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

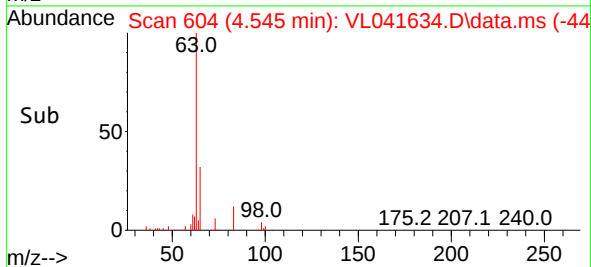
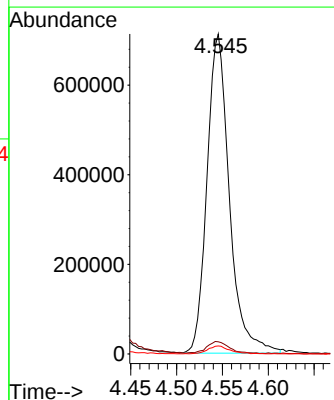
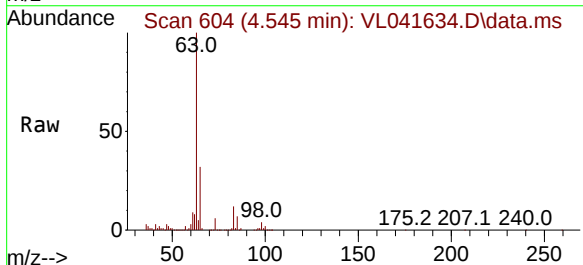
Instrument :
 MSVOA_L
 ClientSampleId :

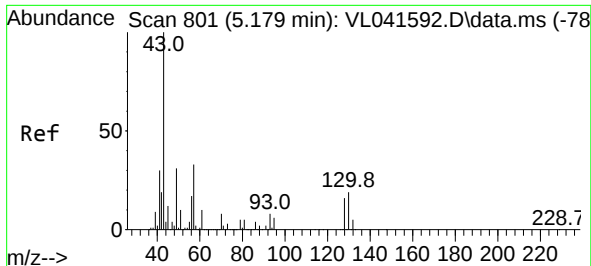
Tgt Ion: 43 Resp: 903279
 Ion Ratio Lower Upper
 43 100
 86 6.2 4.9 7.3
 42 9.9 8.0 12.0
 44 6.2 6.1 9.1



#24
 1,1-Dichloroethane
 Concen: 10.438 ppbv
 RT: 4.545 min Scan# 604
 Delta R.T. 0.006 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

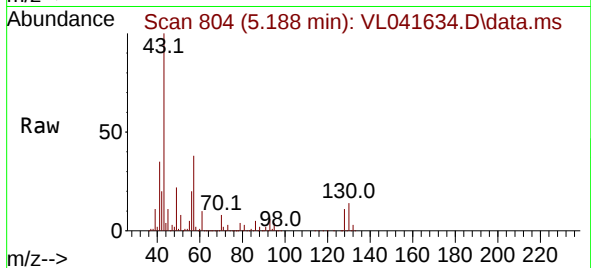
Tgt Ion: 63 Resp: 1207986
 Ion Ratio Lower Upper
 63 100
 98 3.7 1.7 5.1
 100 2.5 1.1 3.3





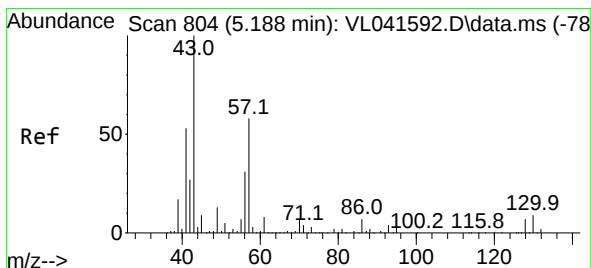
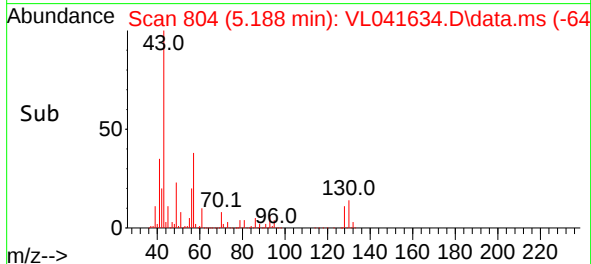
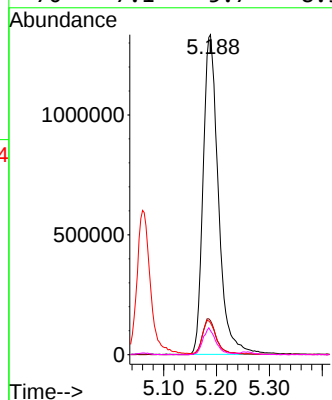
#25
Ethyl Acetate
Concen: 10.659 ppbv
RT: 5.188 min Scan# 801
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 2682283

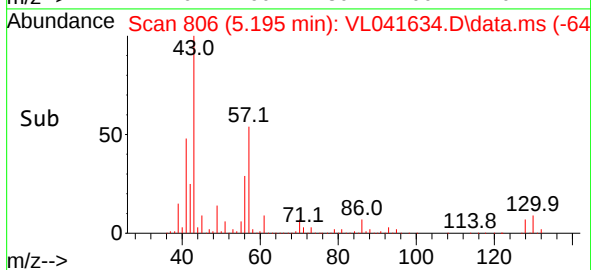
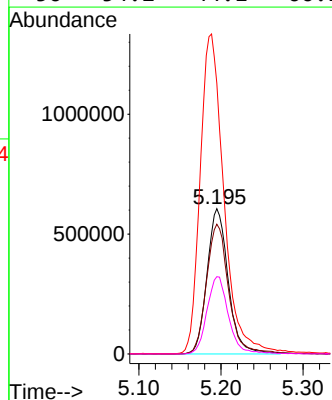
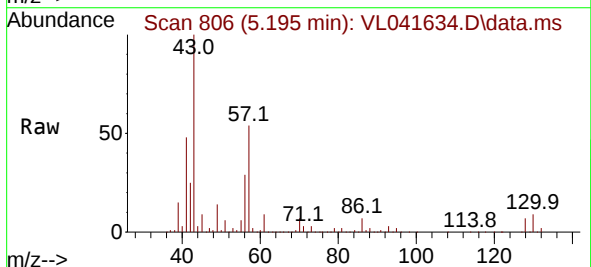
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.2
61	10.1	8.0	12.0
70	7.1	5.7	8.5

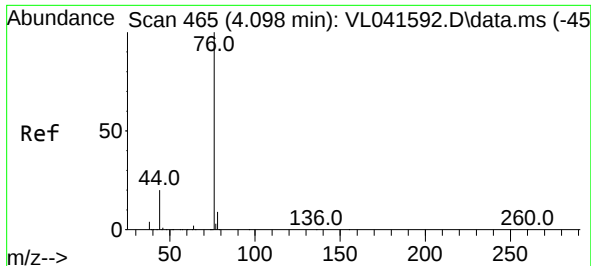


#26
Hexane
Concen: 10.351 ppbv
RT: 5.195 min Scan# 806
Delta R.T. 0.006 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 57 Resp: 1086351

Ion	Ratio	Lower	Upper
57	100		
41	93.8	75.7	113.5
43	246.9	198.5	297.7
56	54.2	44.1	66.1





#27

Carbon Disulfide

Concen: 12.023 ppbv

RT: 4.102 min Scan# 4

Delta R.T. 0.003 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

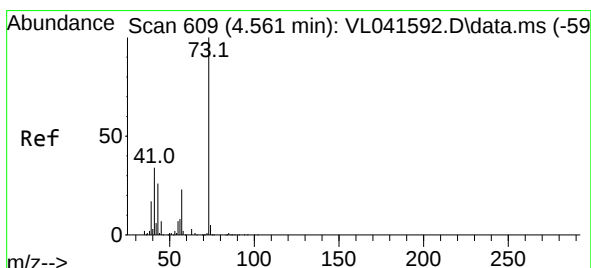
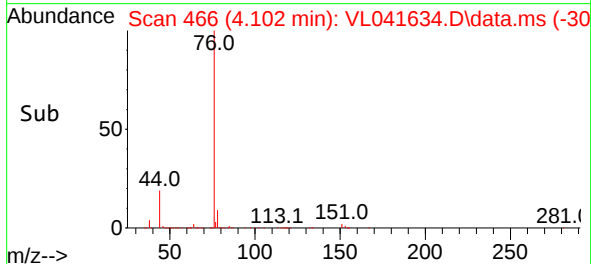
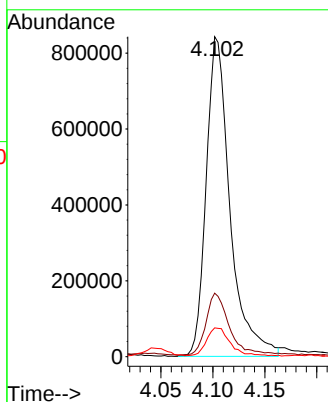
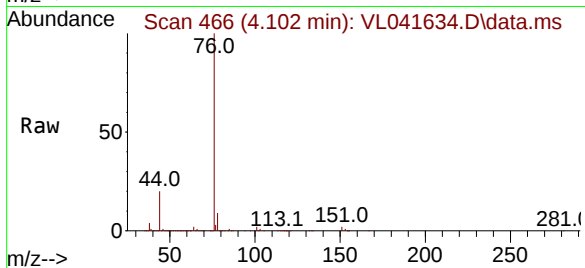
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 76 Resp: 1341344

Ion	Ratio	Lower	Upper
76	100		
44	19.7	15.8	23.8
78	9.5	7.5	11.3



#28

Methyl tert-Butyl Ether

Concen: 10.946 ppbv

RT: 4.568 min Scan# 611

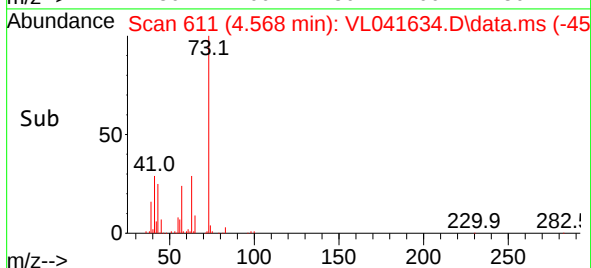
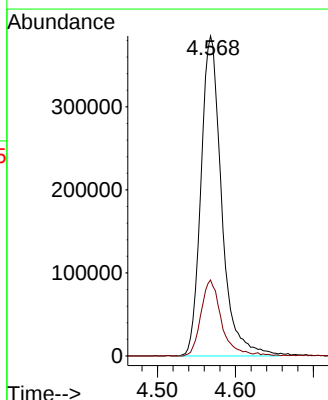
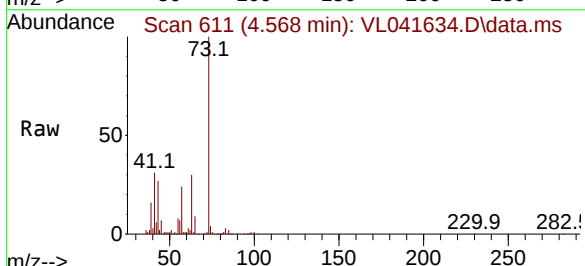
Delta R.T. 0.006 min

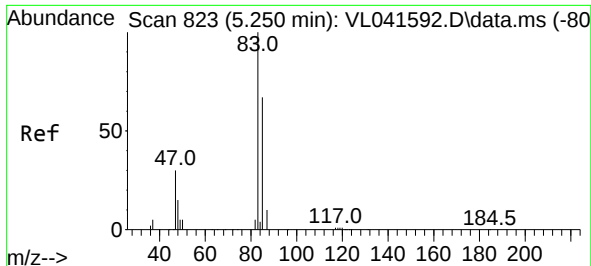
Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Tgt Ion: 73 Resp: 708228

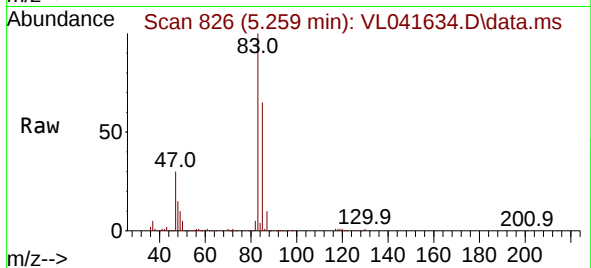
Ion	Ratio	Lower	Upper
73	100		
57	24.1	19.3	28.9



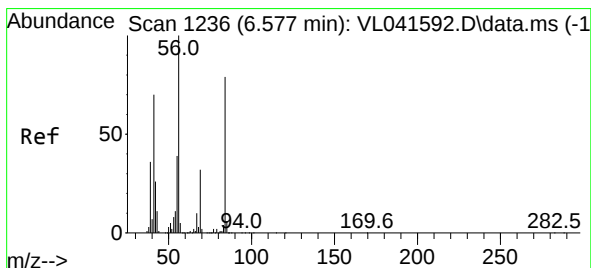
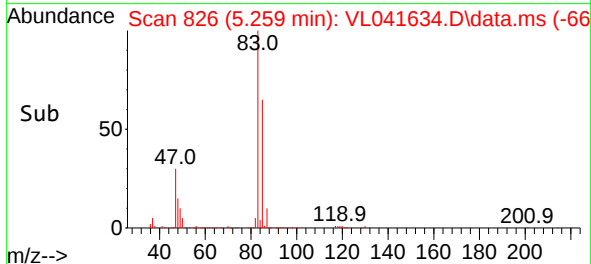
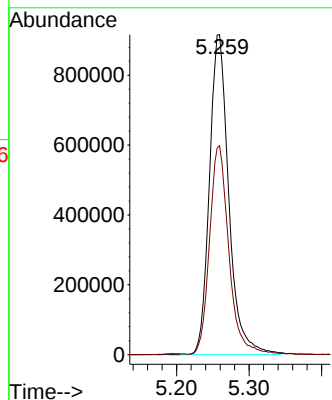


#29
Chloroform
Concen: 9.878 ppbv
RT: 5.259 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Instrument :
MSVOA_L
ClientSampleId :

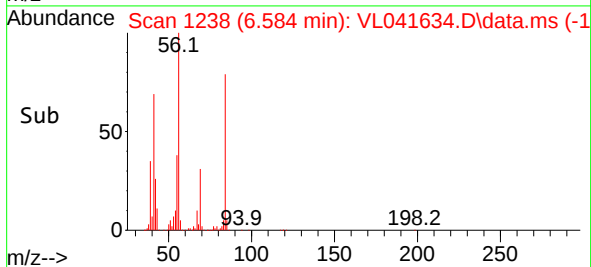
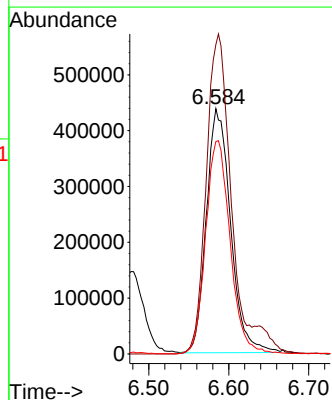
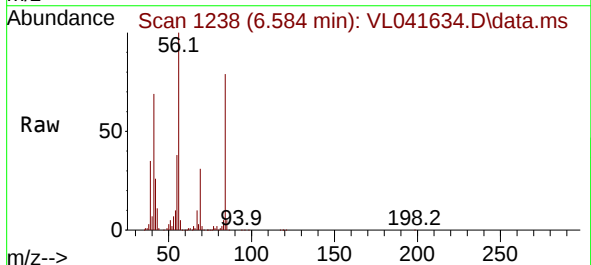


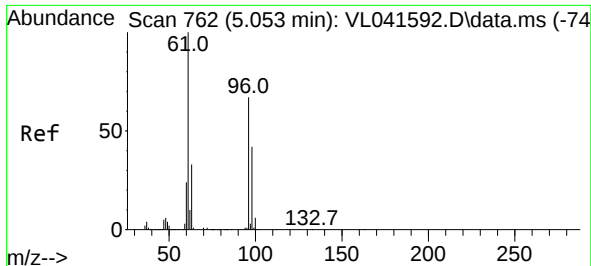
Tgt Ion: 83 Resp: 1696517
Ion Ratio Lower Upper
83 100
85 65.0 53.8 80.6



#30
Cyclohexane
Concen: 11.407 ppbv
RT: 6.584 min Scan# 1238
Delta R.T. 0.006 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 84 Resp: 922809
Ion Ratio Lower Upper
84 100
56 137.9 111.5 167.3
41 88.0 70.9 106.3



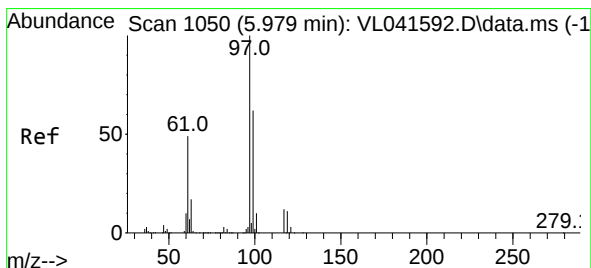
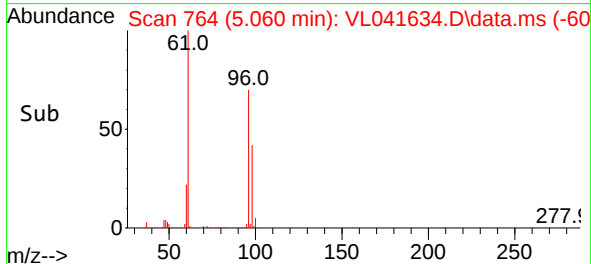
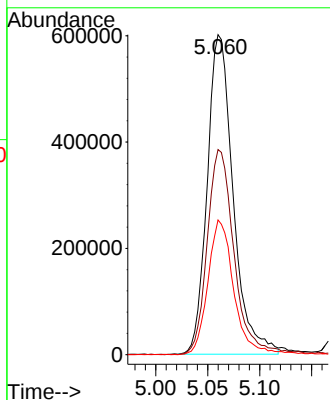
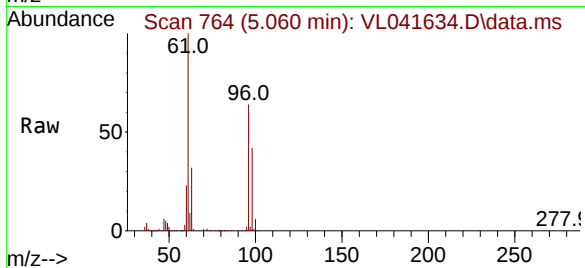


#31
 cis-1,2-Dichloroethene
 Concen: 10.464 ppbv
 RT: 5.060 min Scan# 764
 Delta R.T. 0.006 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 61 Resp: 1042609

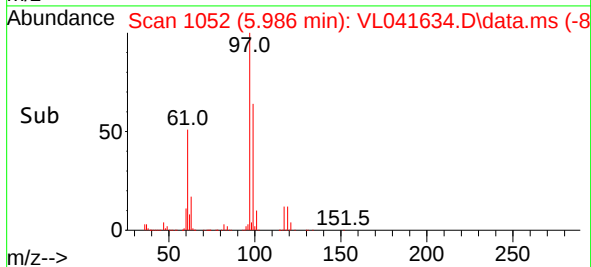
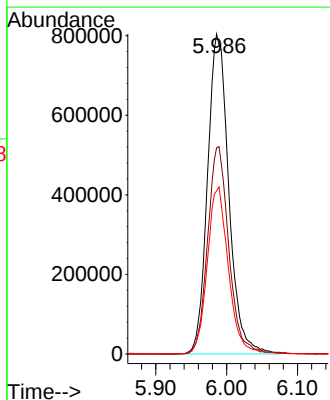
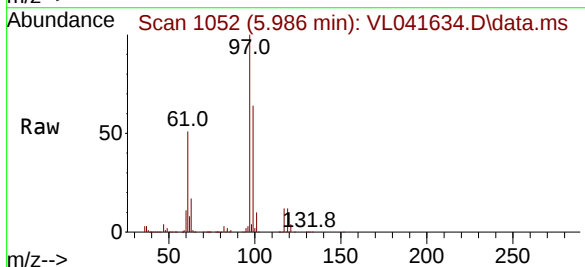
Ion	Ratio	Lower	Upper
61	100		
96	64.1	53.5	80.3
98	42.2	33.7	50.5

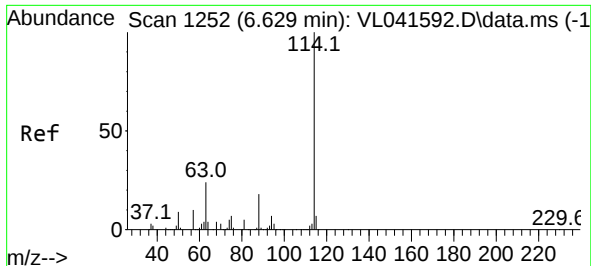


#32
 1,1,1-Trichloroethane
 Concen: 10.966 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. 0.006 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

Tgt Ion: 97 Resp: 1677460

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.4
61	52.0	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

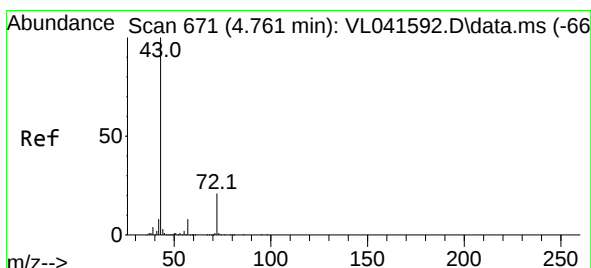
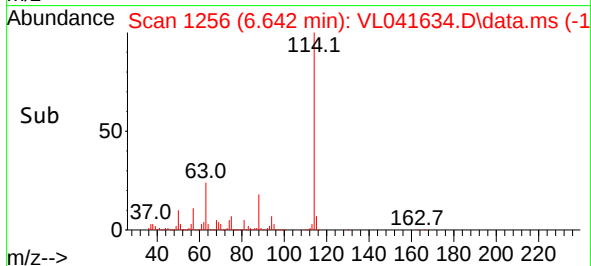
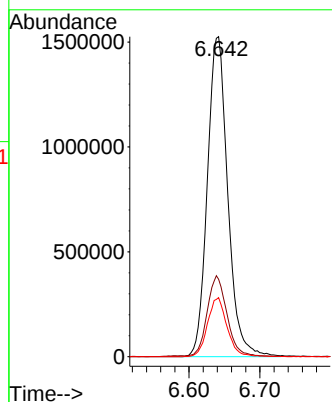
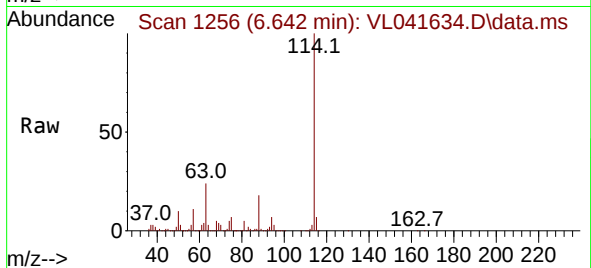
Tgt Ion:114 Resp: 3049006

Ion Ratio Lower Upper

114 100

63 25.0 20.2 30.2

88 17.7 14.2 21.4



#34

2-Butanone

Concen: 9.523 ppbv

RT: 4.767 min Scan# 673

Delta R.T. 0.006 min

Lab File: VL041634.D

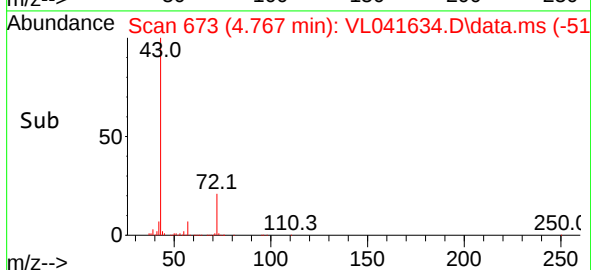
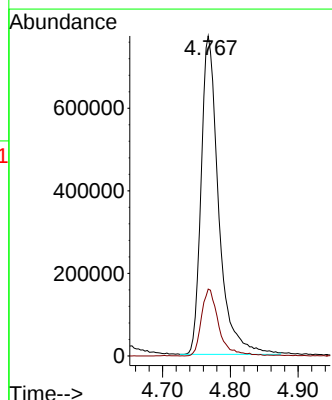
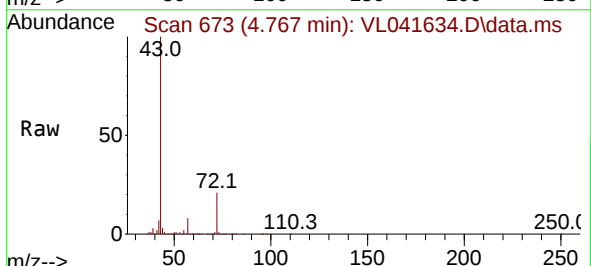
Acq: 10 Oct 2024 9:09

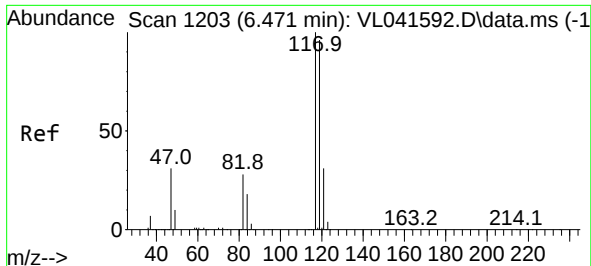
Tgt Ion: 43 Resp: 1384558

Ion Ratio Lower Upper

43 100

72 21.1 16.8 25.2

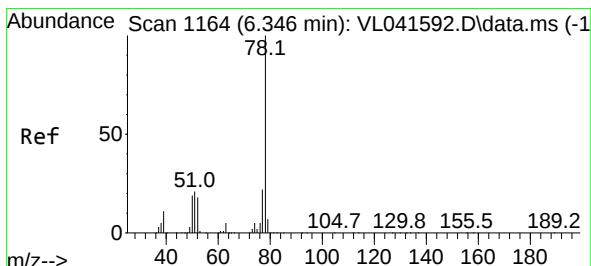
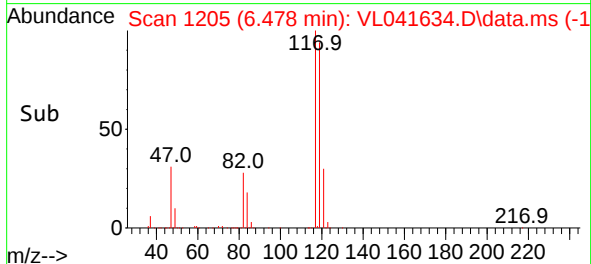
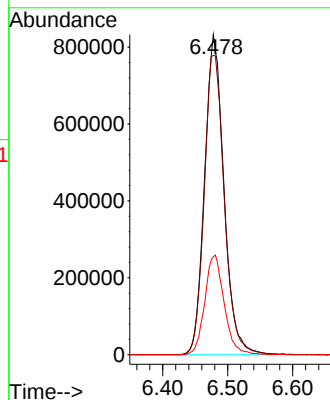
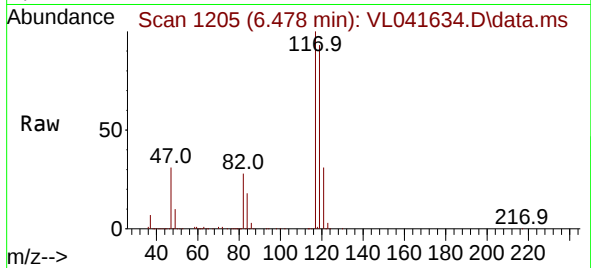




#35
Carbon Tetrachloride
Concen: 11.549 ppbv
RT: 6.478 min Scan# 1167
Delta R.T. 0.006 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

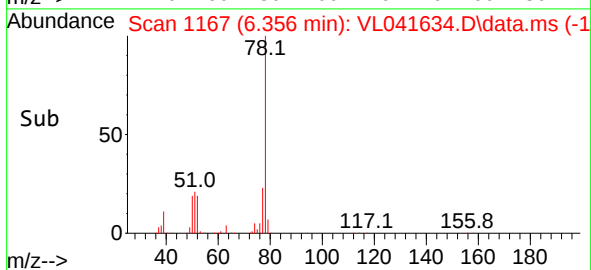
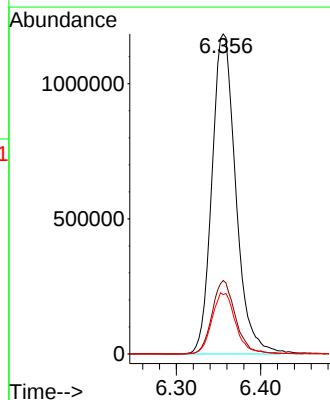
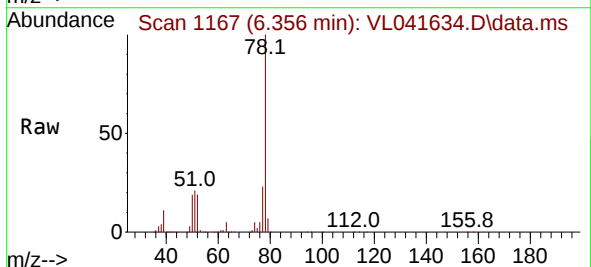
Instrument :
MSVOA_L
ClientSampleId :

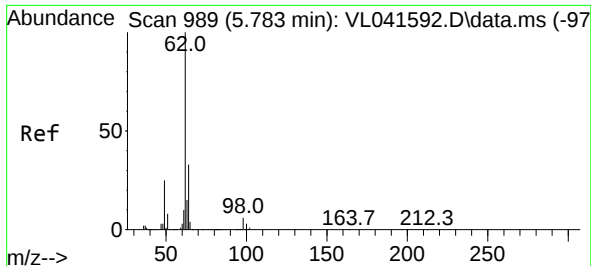
Tgt Ion:117 Resp: 1727708
Ion Ratio Lower Upper
117 100
119 93.5 76.8 115.2
121 30.5 25.0 37.6



#36
Benzene
Concen: 10.988 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 78 Resp: 2326680
Ion Ratio Lower Upper
78 100
77 22.9 17.8 26.6
50 18.6 15.4 23.0





#37

1,2-Dichloroethane

Concen: 10.486 ppbv

RT: 5.793 min Scan# 989

Delta R.T. 0.010 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

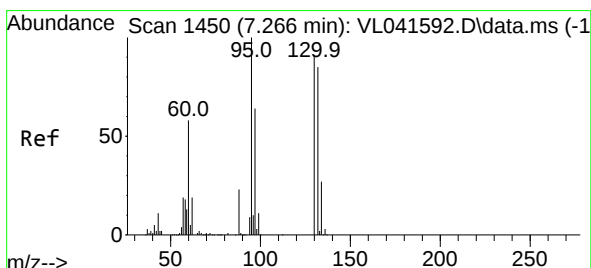
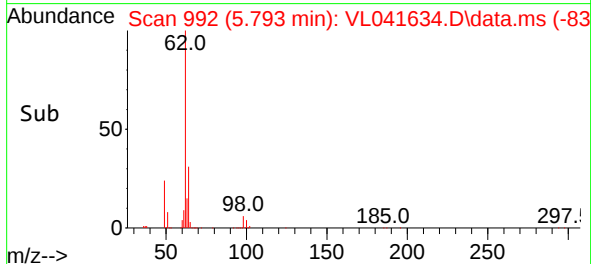
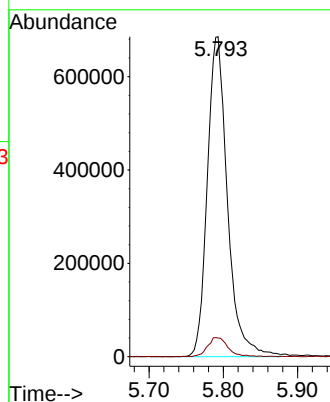
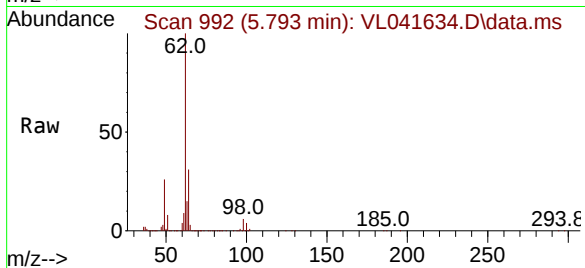
ClientSampleId :

Tgt Ion: 62 Resp: 1288313

Ion Ratio Lower Upper

62 100

98 6.2 4.8 7.2



#38

Trichloroethene

Concen: 11.185 ppbv

RT: 7.278 min Scan# 1454

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Tgt Ion:130 Resp: 1219672

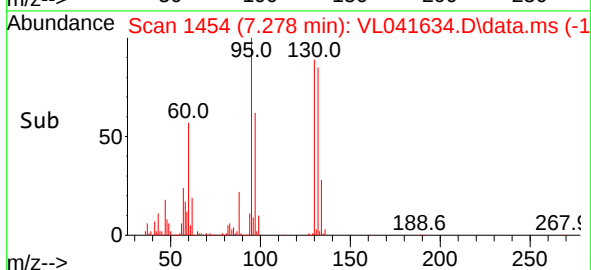
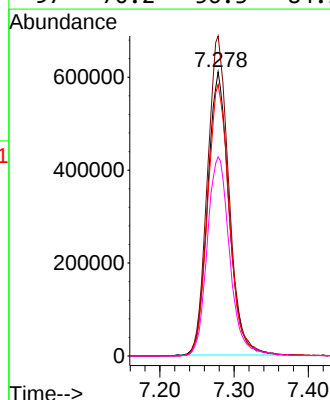
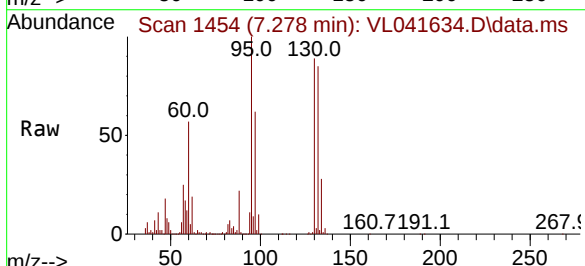
Ion Ratio Lower Upper

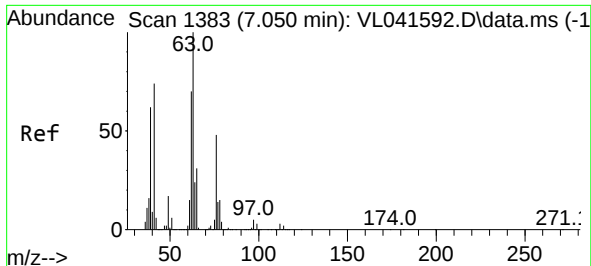
130 100

95 112.9 87.7 131.5

132 95.8 74.5 111.7

97 70.2 56.3 84.5





#39

1,2-Dichloropropane

Concen: 10.366 ppbv

RT: 7.063 min Scan# 11

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

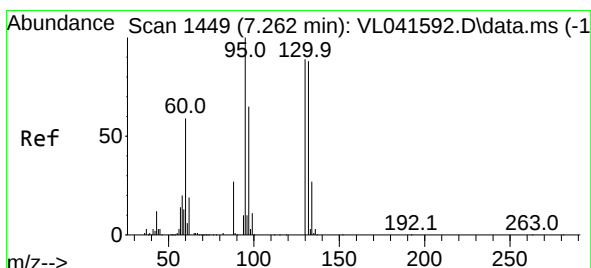
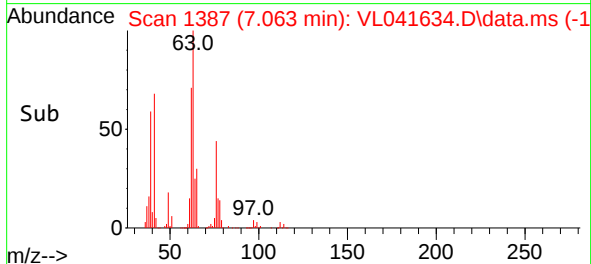
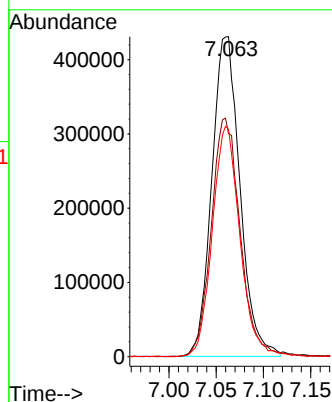
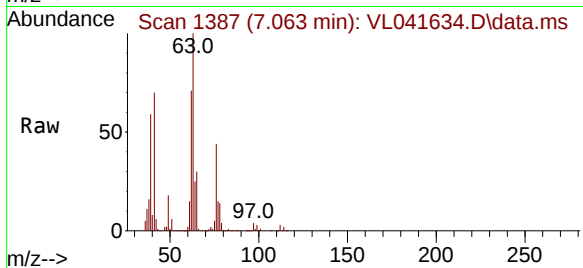
Tgt Ion: 63 Resp: 892988

Ion Ratio Lower Upper

63 100

41 69.7 59.5 89.3

62 70.9 56.2 84.2



#40

1,4-Dioxane

Concen: 11.128 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.006 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Tgt Ion: 88 Resp: 361348

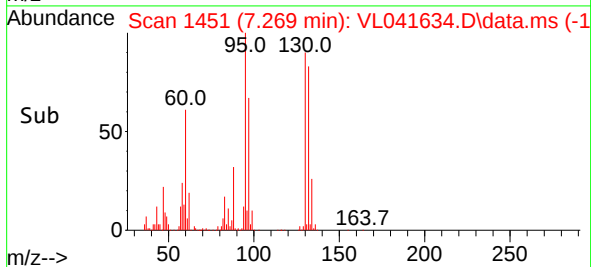
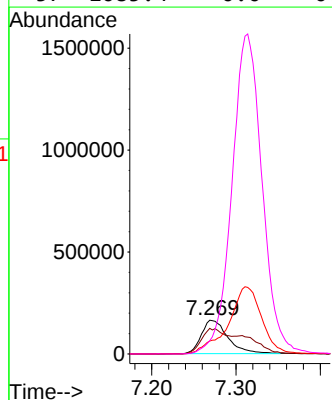
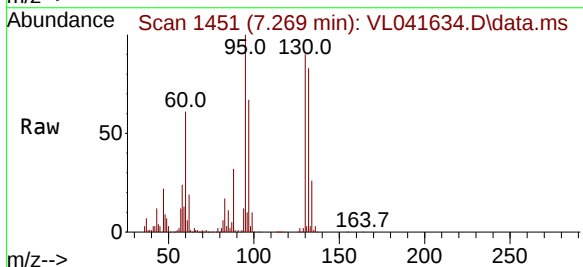
Ion Ratio Lower Upper

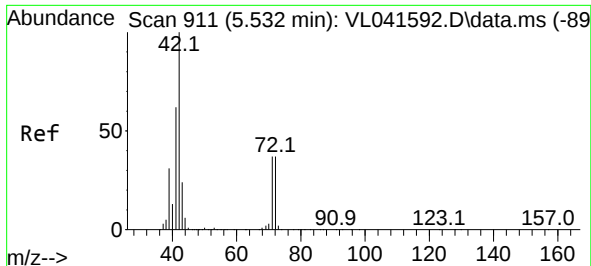
88 100

58 125.5 100.2 150.4

43 252.3 0.0 0.0#

57 1085.4 0.0 0.0#

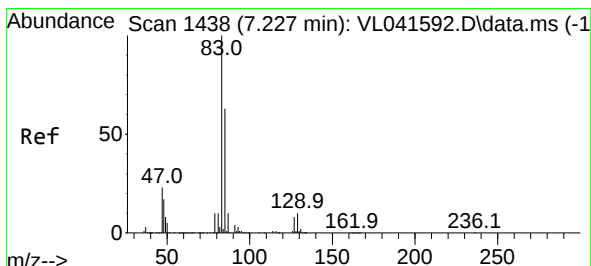
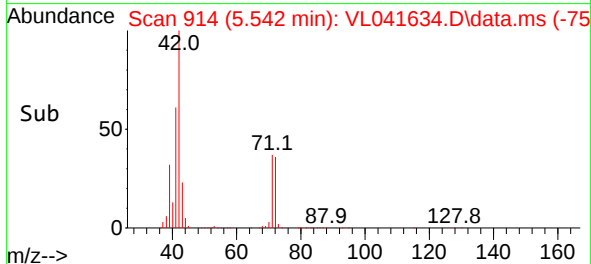
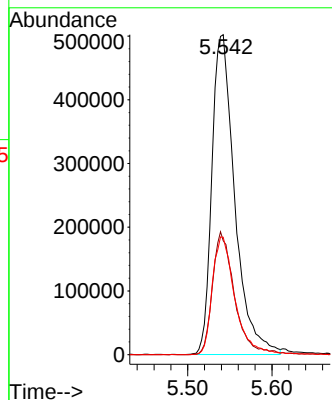
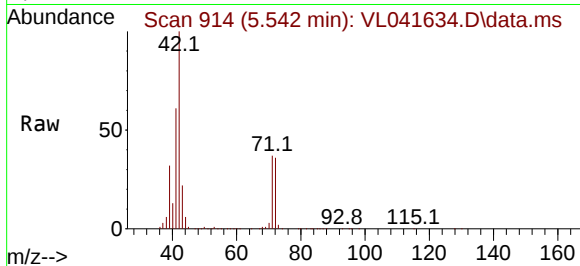




#41
Tetrahydrofuran
Concen: 11.848 ppbv
RT: 5.542 min Scan# 911
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

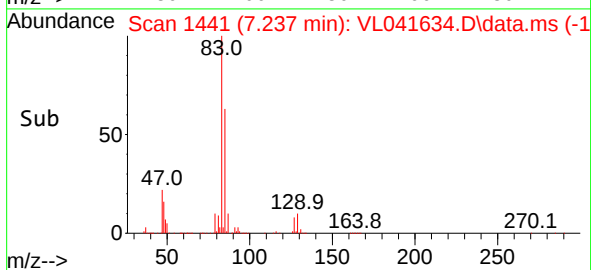
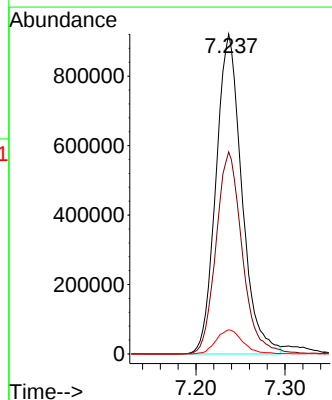
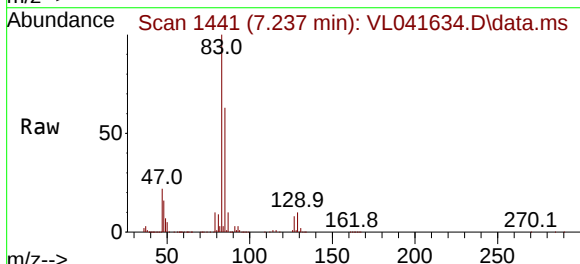
Instrument :
MSVOA_L
ClientSampleId :

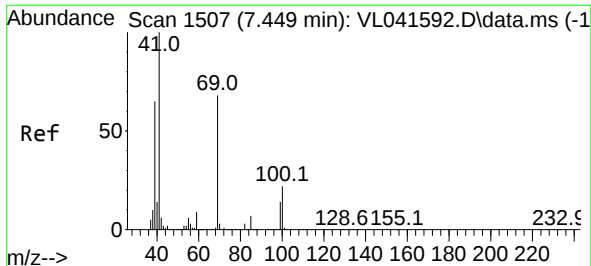
Tgt Ion: 42 Resp: 947912
Ion Ratio Lower Upper
42 100
72 37.1 30.2 45.2
71 36.8 29.6 44.4



#42
Bromodichloromethane
Concen: 10.878 ppbv
RT: 7.237 min Scan# 1441
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 83 Resp: 1859423
Ion Ratio Lower Upper
83 100
85 63.1 50.5 75.7
127 7.6 6.5 9.7

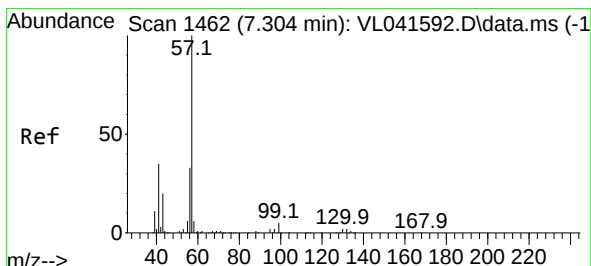
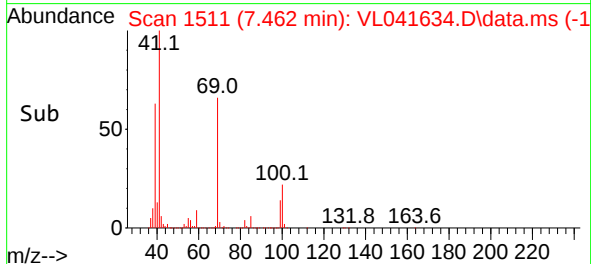
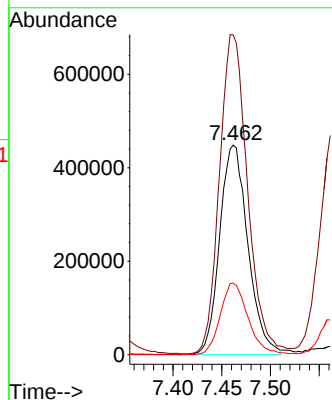
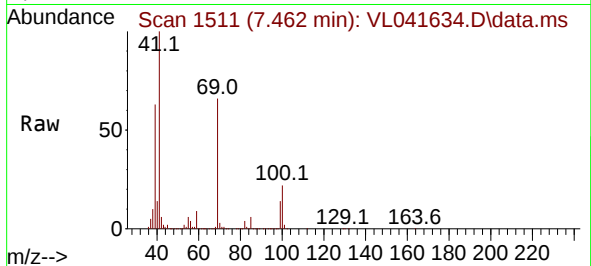




#43
Methyl Methacrylate
Concen: 11.923 ppbv
RT: 7.462 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

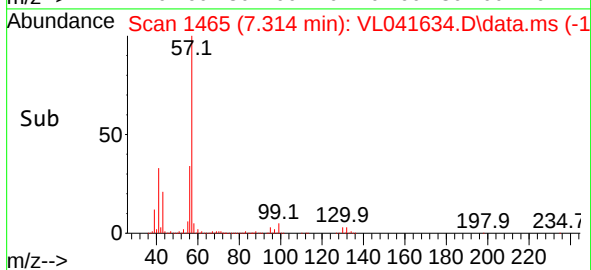
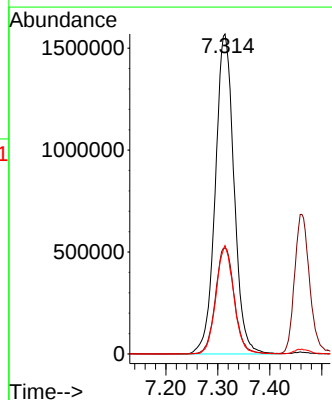
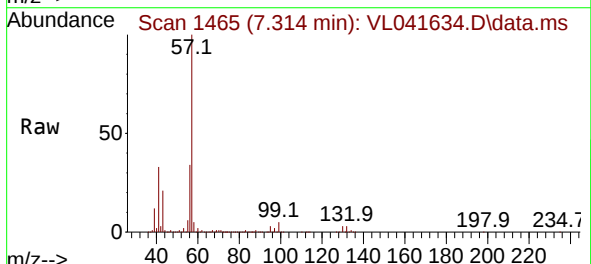
Instrument :
MSVOA_L
ClientSampleId :

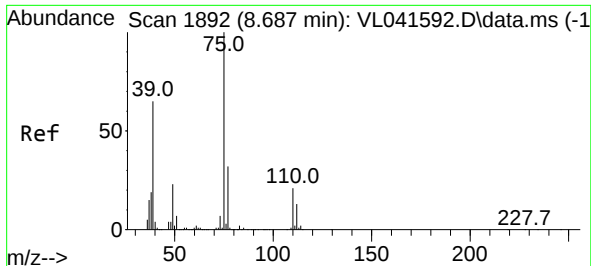
Tgt Ion: 69 Resp: 903456
Ion Ratio Lower Upper
69 100
41 152.7 121.8 182.6
100 33.7 26.5 39.7



#44
2,2,4-Trimethylpentane
Concen: 10.705 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 57 Resp: 3921613
Ion Ratio Lower Upper
57 100
41 33.5 27.0 40.6
56 32.2 25.5 38.3

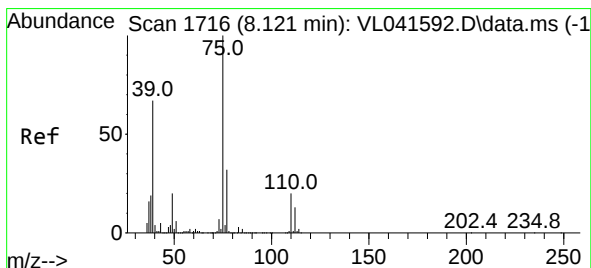
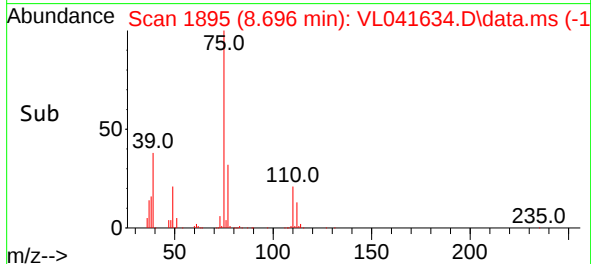
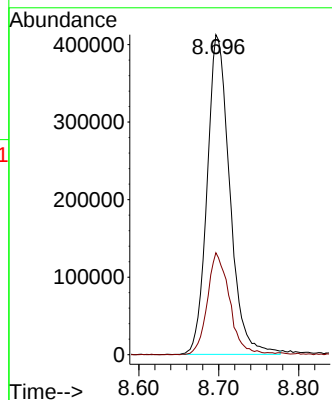
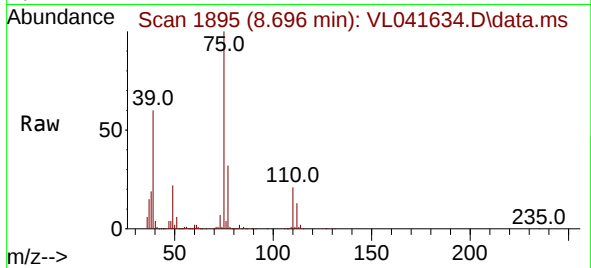




#45
t-1,3-Dichloropropene
Concen: 13.272 ppbv
RT: 8.696 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

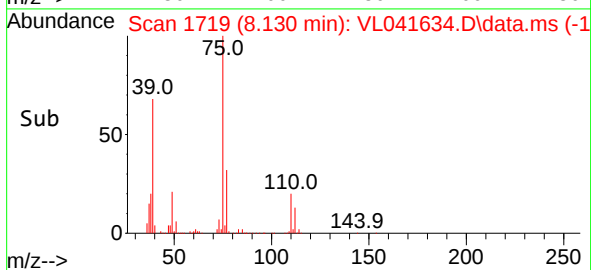
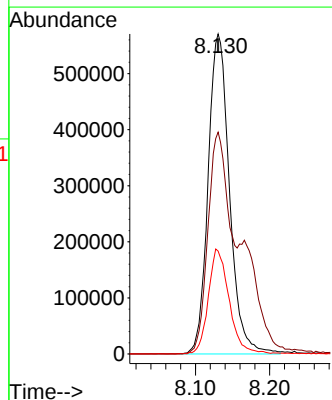
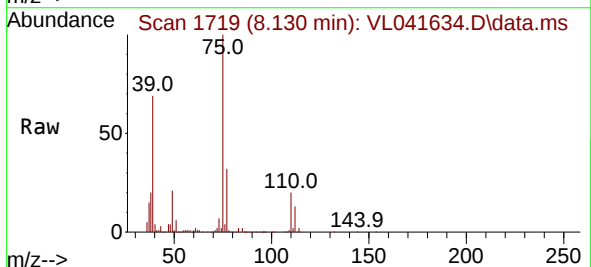
Instrument :
MSVOA_L
ClientSampleId :

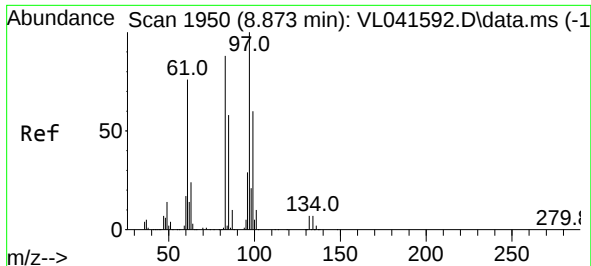
Tgt Ion: 75 Resp: 810834
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.0



#46
cis-1,3-Dichloropropene
Concen: 12.758 ppbv
RT: 8.130 min Scan# 1719
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 75 Resp: 1141894
Ion Ratio Lower Upper
75 100
39 69.2 54.0 81.0
77 32.1 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 10.537 ppbv

RT: 8.889 min Scan# 1950

Delta R.T. 0.016 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 963782

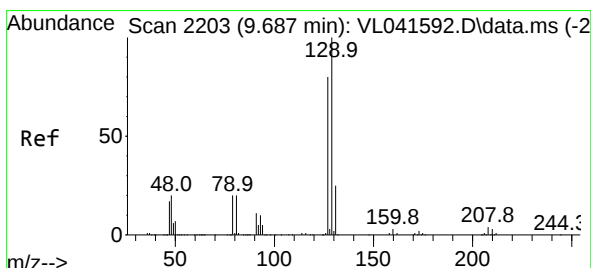
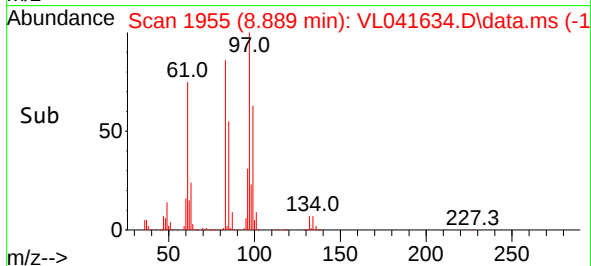
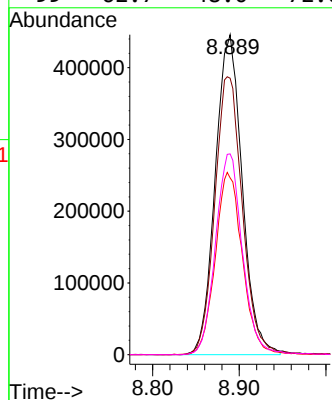
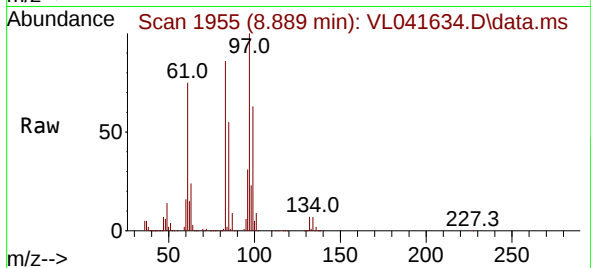
Ion Ratio Lower Upper

97 100

83 86.4 70.2 105.4

85 55.1 46.3 69.5

99 62.7 48.0 72.0



#48

Dibromochloromethane

Concen: 11.414 ppbv

RT: 9.700 min Scan# 2207

Delta R.T. 0.013 min

Lab File: VL041634.D

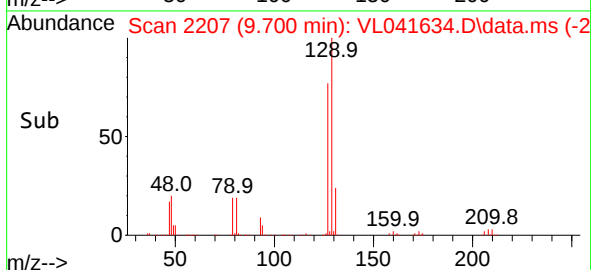
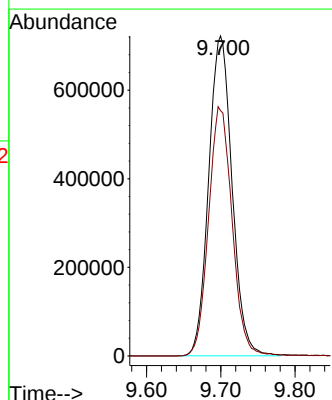
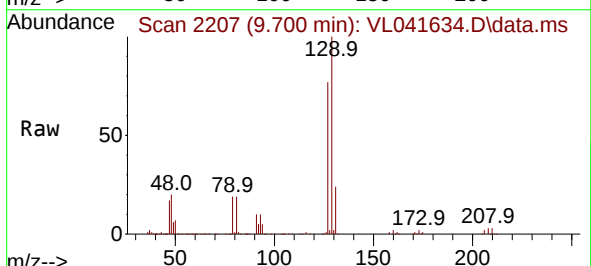
Acq: 10 Oct 2024 9:09

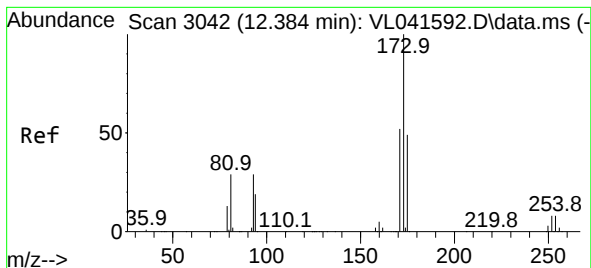
Tgt Ion: 129 Resp: 1581721

Ion Ratio Lower Upper

129 100

127 78.7 39.3 117.9





#49

Bromoform

Concen: 11.672 ppbv

RT: 12.397 min Scan# 3046

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

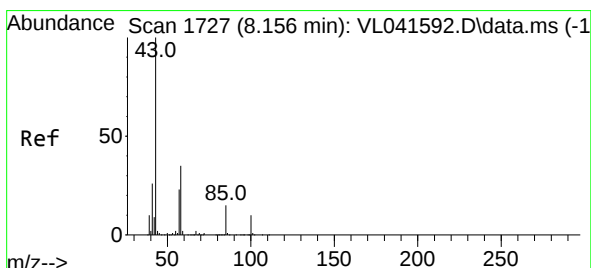
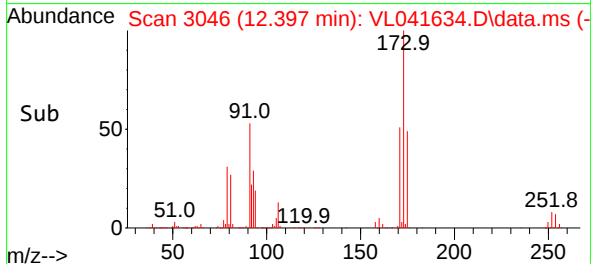
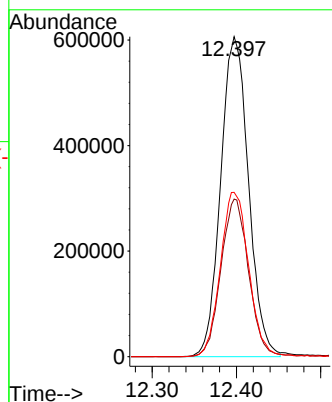
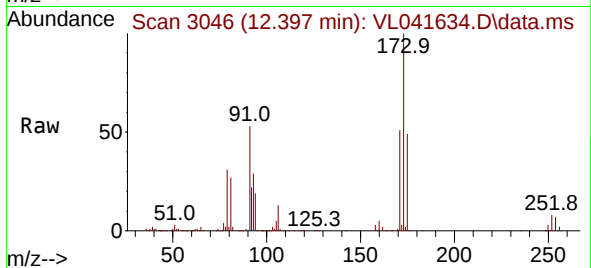
Tgt Ion:173 Resp: 1388441

Ion Ratio Lower Upper

173 100

175 49.3 40.1 60.1

171 52.5 42.2 63.4



#50

4-Methyl-2-Pentanone

Concen: 11.527 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. 0.013 min

Lab File: VL041634.D

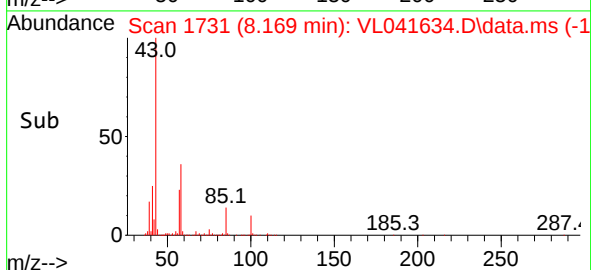
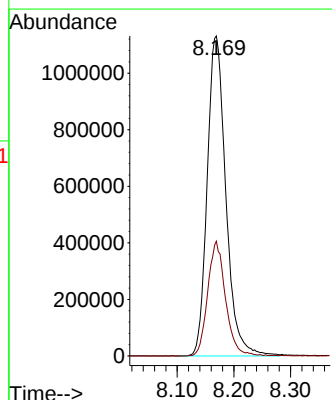
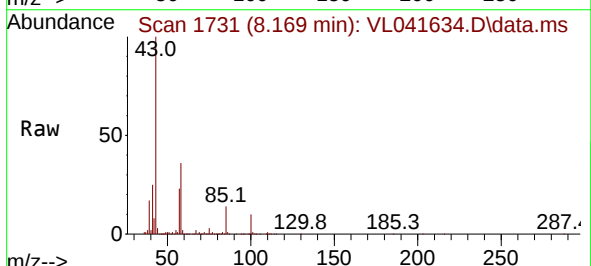
Acq: 10 Oct 2024 9:09

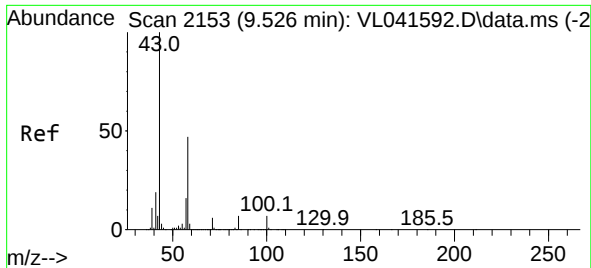
Tgt Ion: 43 Resp: 2588139

Ion Ratio Lower Upper

43 100

58 34.3 27.8 41.8

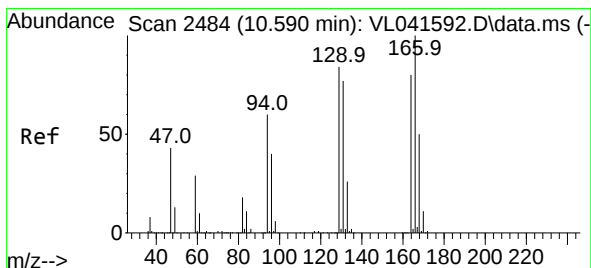
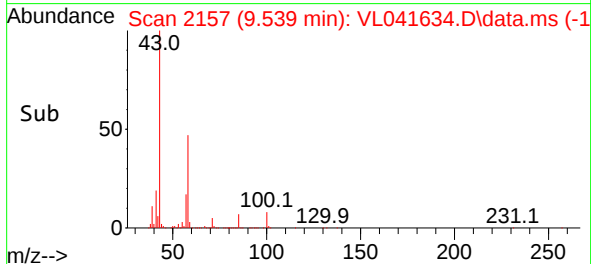
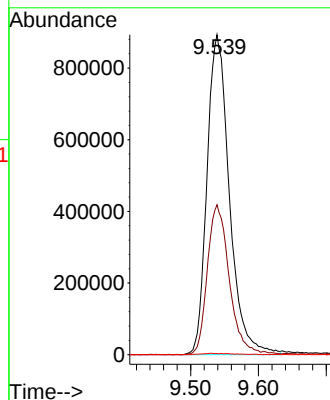
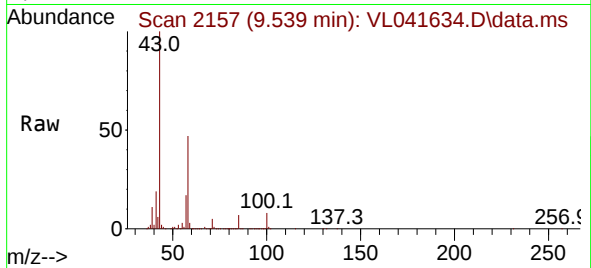




#51
2-Hexanone
Concen: 12.044 ppbv
RT: 9.539 min Scan# 2153
Delta R.T. 0.013 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

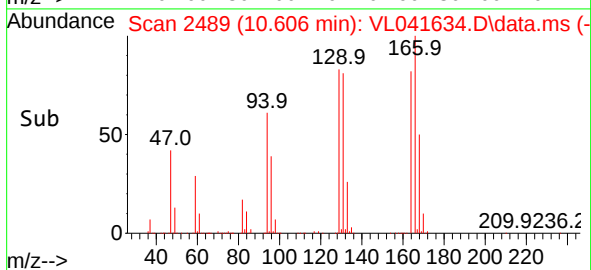
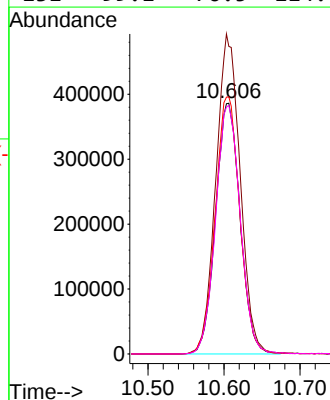
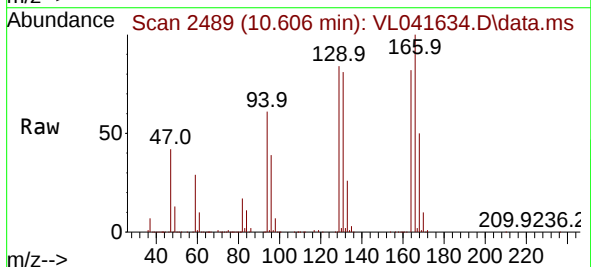
Instrument :
MSVOA_L
ClientSampleId :

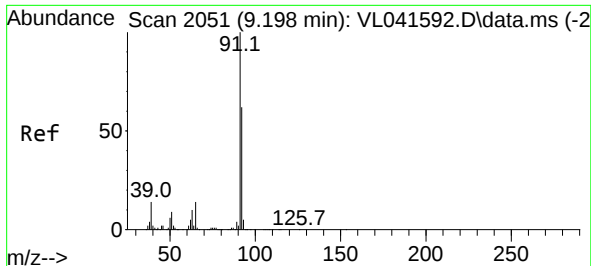
Tgt Ion: 43 Resp: 2045371
Ion Ratio Lower Upper
43 100
58 46.3 37.2 55.8
98 0.7 0.5 0.7



#52
Tetrachloroethene
Concen: 11.244 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. 0.016 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion:164 Resp: 862099
Ion Ratio Lower Upper
164 100
166 122.6 99.4 149.2
129 102.6 83.5 125.3
131 99.1 76.5 114.7

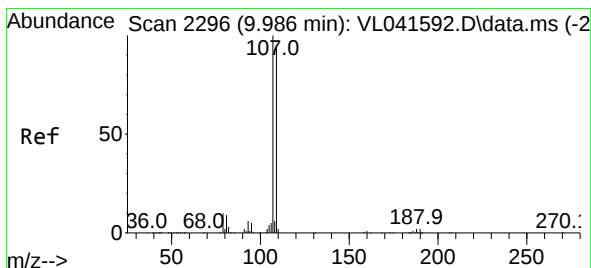
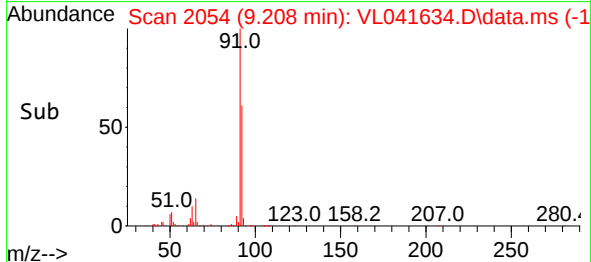
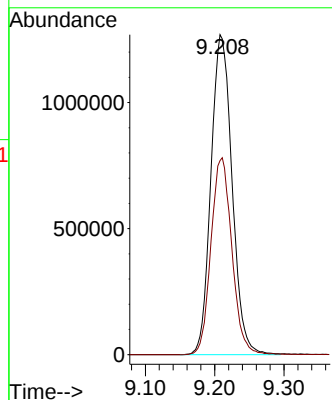
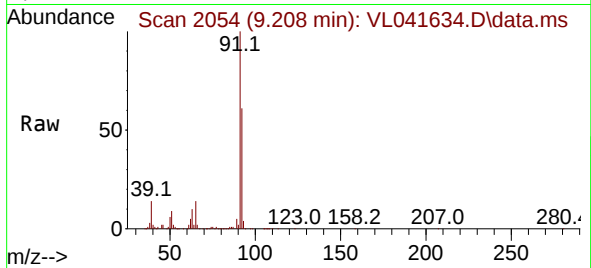




#53
Toluene
Concen: 11.957 ppbv
RT: 9.208 min Scan# 2051
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

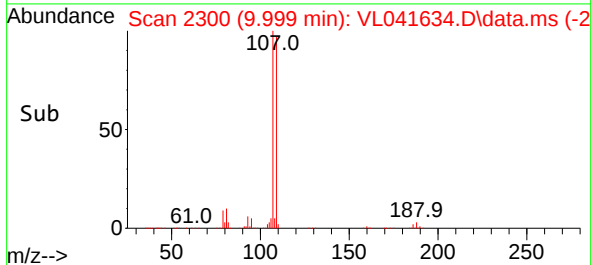
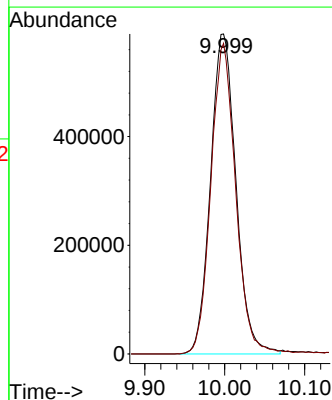
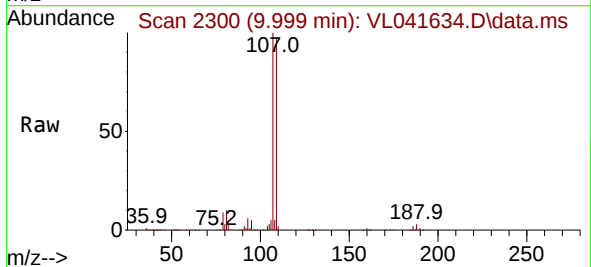
Instrument :
MSVOA_L
ClientSampleId :

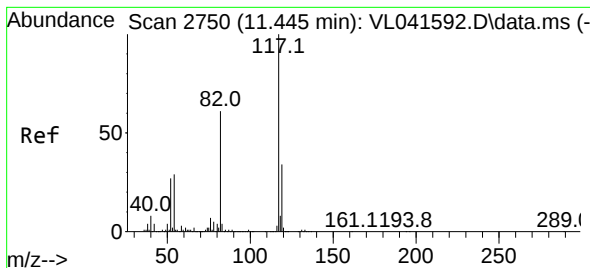
Tgt Ion: 91 Resp: 2687659
Ion Ratio Lower Upper
91 100
92 61.0 48.9 73.3



#54
1,2-Dibromoethane
Concen: 11.553 ppbv
RT: 9.999 min Scan# 2300
Delta R.T. 0.013 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 107 Resp: 1301261
Ion Ratio Lower Upper
107 100
109 97.0 75.7 113.5

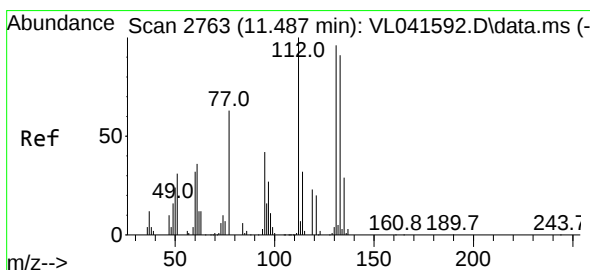
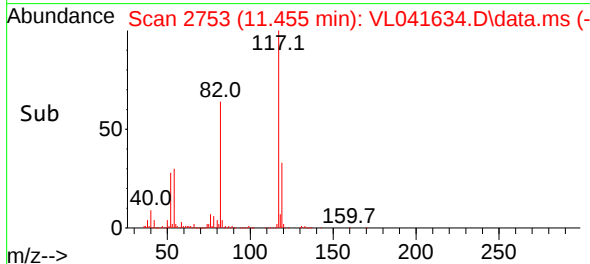
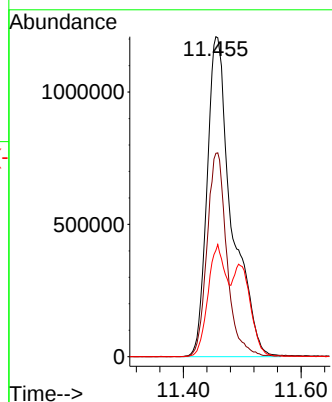
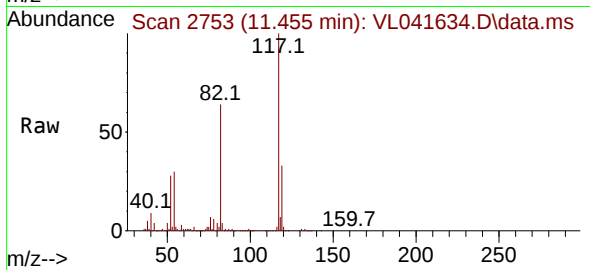




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

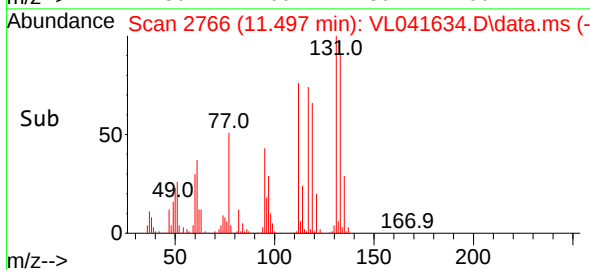
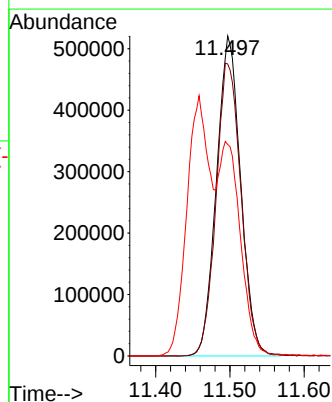
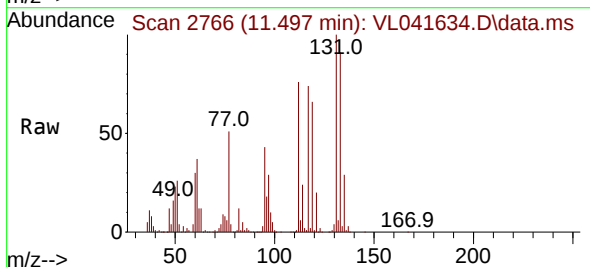
Instrument :
MSVOA_L
ClientSampleId :

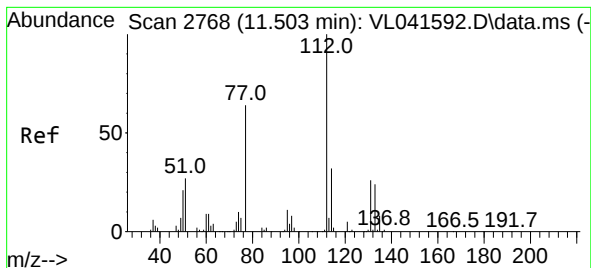
Tgt Ion:117 Resp: 3526135
Ion Ratio Lower Upper
117 100
82 51.3 49.4 74.2
119 25.6 24.4 36.6



#56
1,1,1,2-Tetrachloroethane
Concen: 8.578 ppbv
RT: 11.497 min Scan# 2766
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion:131 Resp: 1180950
Ion Ratio Lower Upper
131 100
133 94.4 76.6 115.0
119 65.2 48.5 72.7





#57

Chlorobenzene

Concen: 8.300 ppbv

RT: 11.516 min Scan# 2110229

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

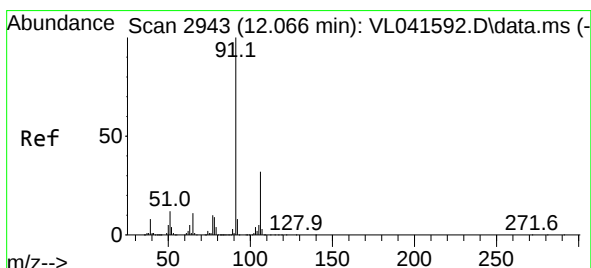
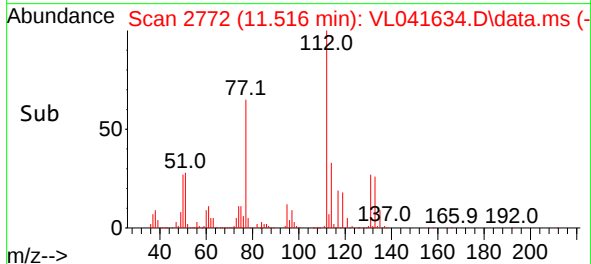
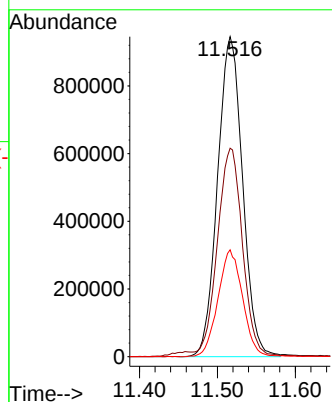
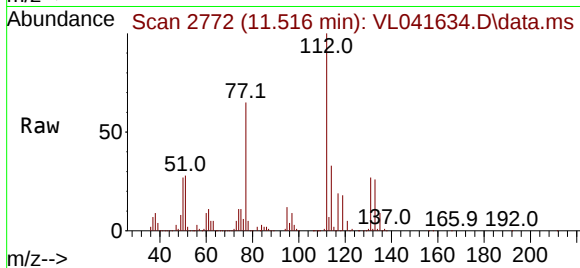
Tgt Ion:112 Resp: 2110229

Ion Ratio Lower Upper

112 100

77 64.8 52.0 78.0

114 33.4 28.6 35.0



#58

Ethyl Benzene

Concen: 9.608 ppbv

RT: 12.079 min Scan# 2947

Delta R.T. 0.013 min

Lab File: VL041634.D

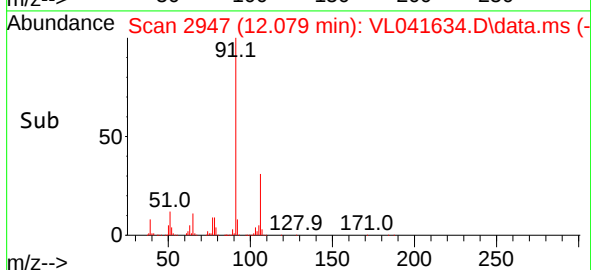
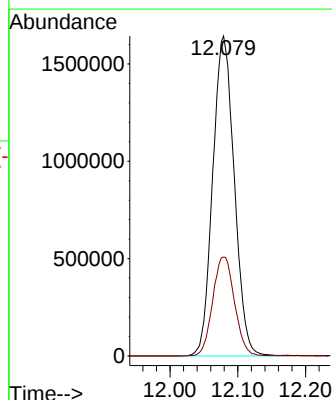
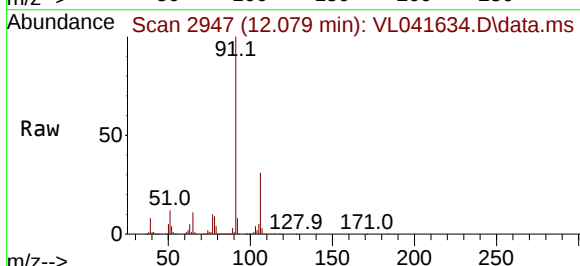
Acq: 10 Oct 2024 9:09

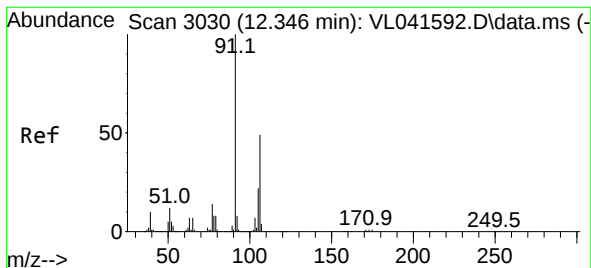
Tgt Ion: 91 Resp: 3626835

Ion Ratio Lower Upper

91 100

106 30.9 25.8 38.6

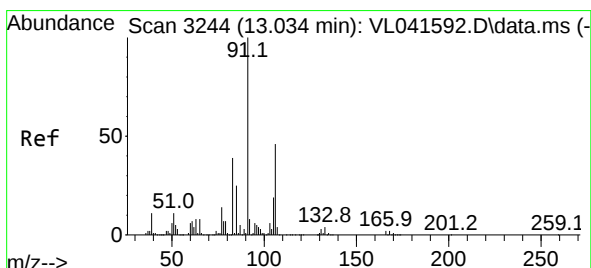
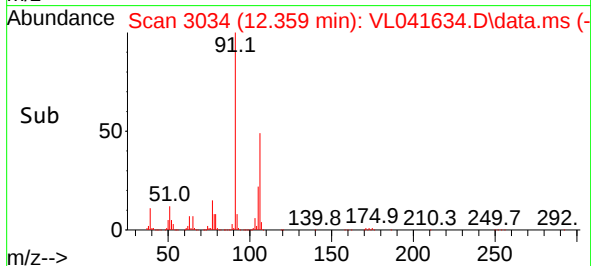
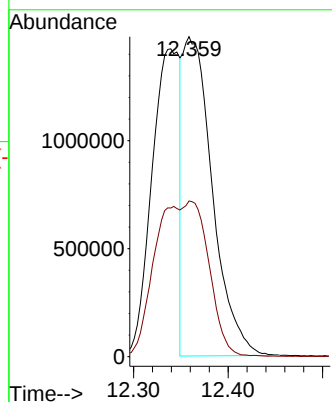
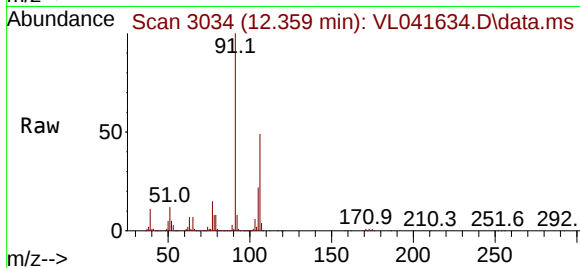




#59
m/p-Xylene
Concen: 9.579 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. 0.013 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

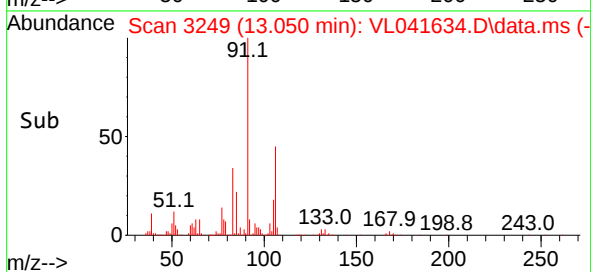
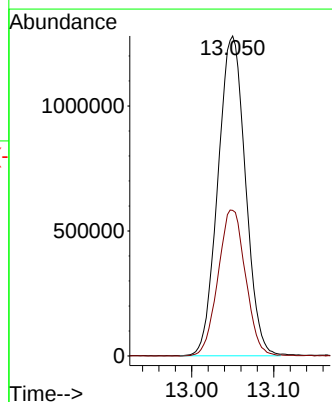
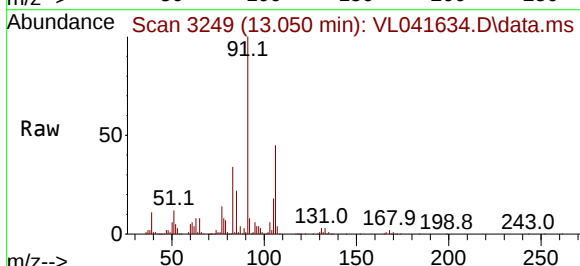
Instrument :
MSVOA_L
ClientSampleId :

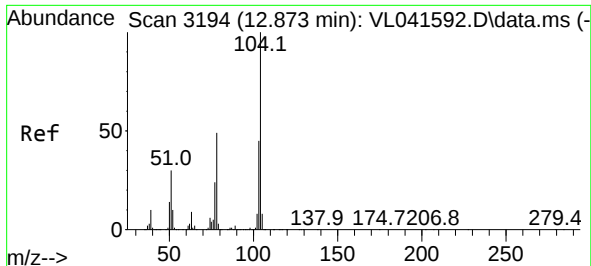
Tgt Ion: 91 Resp: 3217938
Ion Ratio Lower Upper
91 100
106 87.9 36.8 55.2#



#60
o-Xylene
Concen: 9.250 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. 0.016 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 91 Resp: 2979311
Ion Ratio Lower Upper
91 100
106 45.9 23.1 69.3

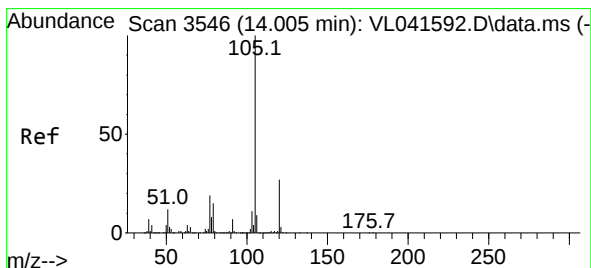
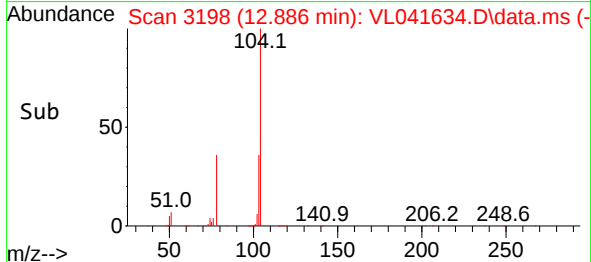
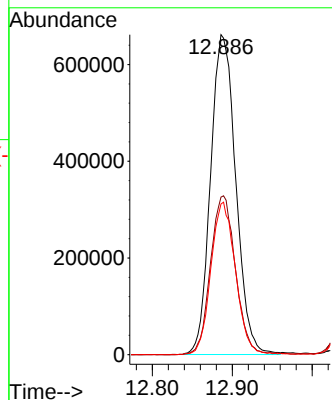
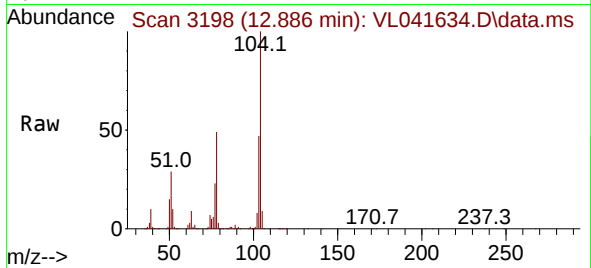




#61
Styrene
Concen: 10.759 ppbv
RT: 12.886 min Scan# 3194
Delta R.T. 0.013 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

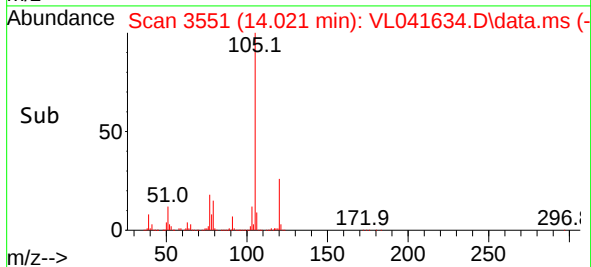
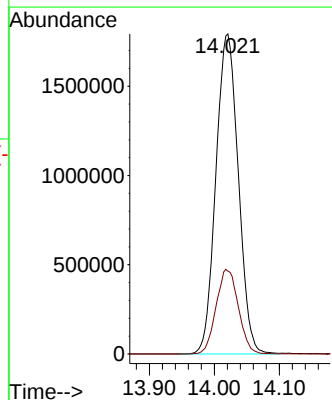
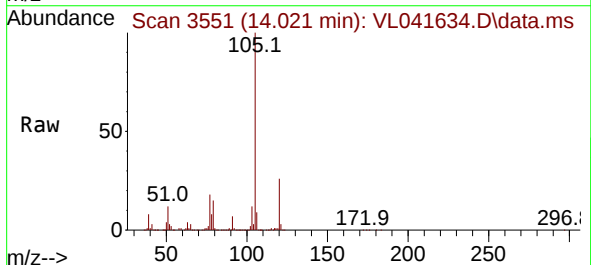
Instrument :
MSVOA_L
ClientSampleId :

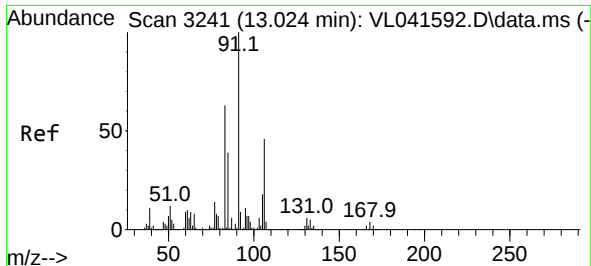
Tgt Ion:104 Resp: 1447771
Ion Ratio Lower Upper
104 100
78 49.5 39.8 59.6
103 46.6 37.4 56.0



#62
Isopropylbenzene
Concen: 8.787 ppbv
RT: 14.021 min Scan# 3551
Delta R.T. 0.016 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

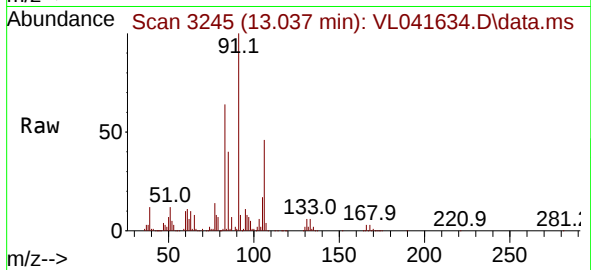
Tgt Ion:105 Resp: 4288010
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3



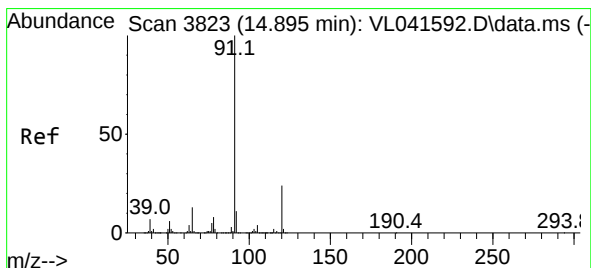
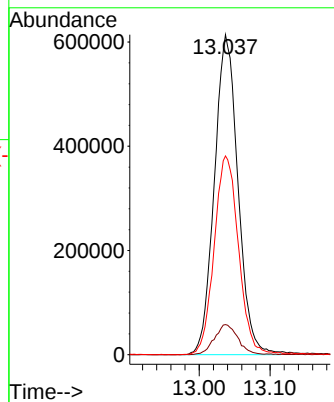
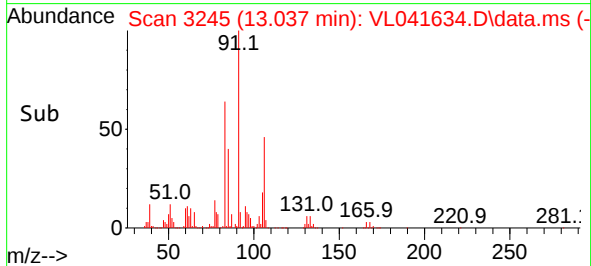


#63
1,1,2,2-Tetrachloroethane
Concen: 8.618 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

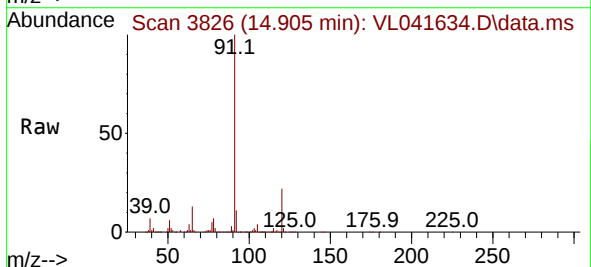
Instrument :
MSVOA_L
ClientSampleId :



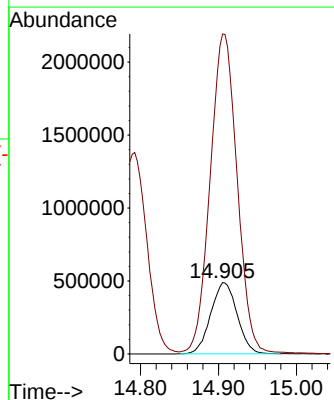
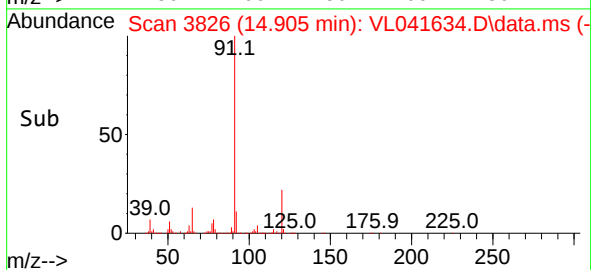
Tgt Ion: 83 Resp: 1419171
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.4
85 64.6 32.5 97.4

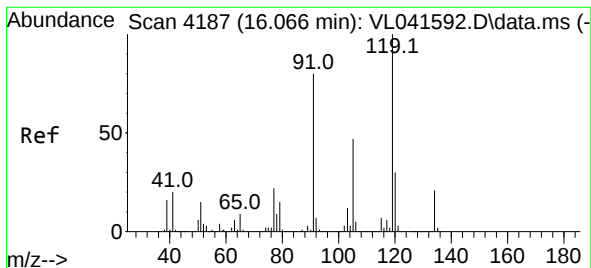


#64
n-propylbenzene
Concen: 9.118 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. 0.010 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09



Tgt Ion: 120 Resp: 1149141
Ion Ratio Lower Upper
120 100
91 460.7 366.4 549.6





#65

tert-Butylbenzene

Concen: 8.631 ppbv

RT: 16.082 min Scan# 4187

Delta R.T. 0.016 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

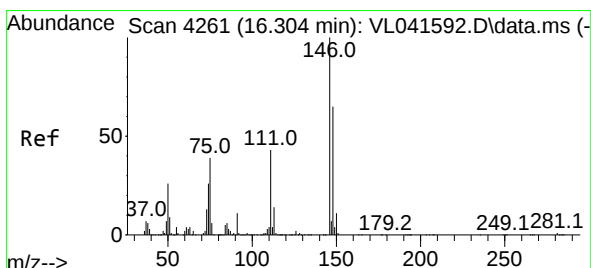
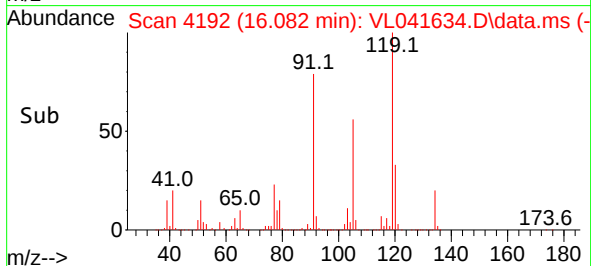
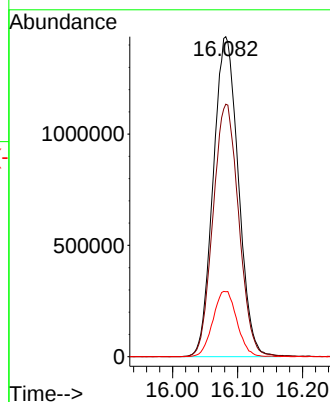
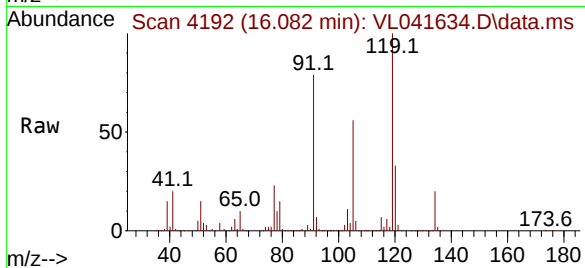
Tgt Ion:119 Resp: 3860758

Ion Ratio Lower Upper

119 100

91 80.6 64.6 96.8

134 19.6 15.8 23.8



#66

Benzyl Chloride

Concen: 4.818 ppbv

RT: 16.320 min Scan# 4266

Delta R.T. 0.016 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

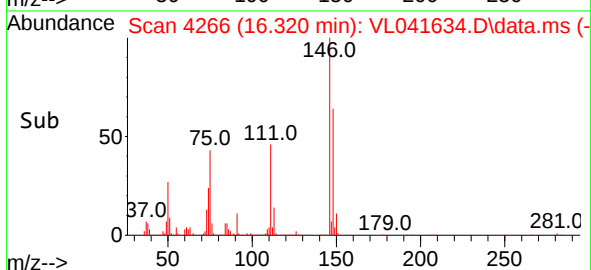
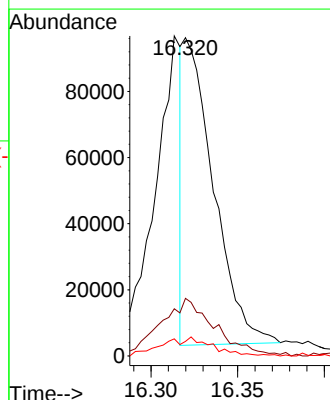
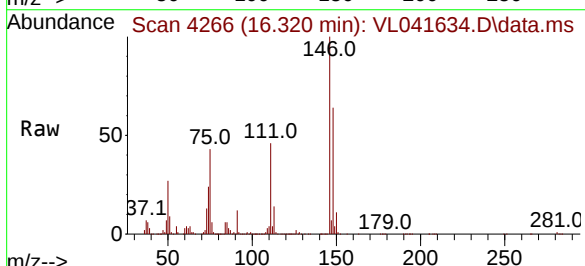
Tgt Ion: 91 Resp: 112044

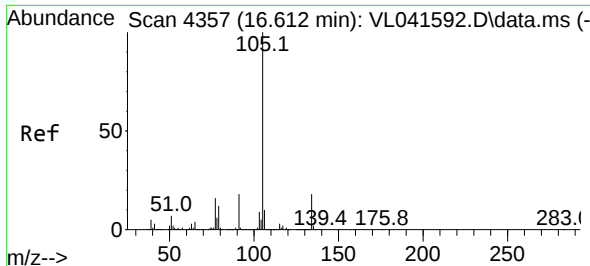
Ion Ratio Lower Upper

91 100

126 34.9 15.4 23.2#

128 10.6 4.8 7.2#

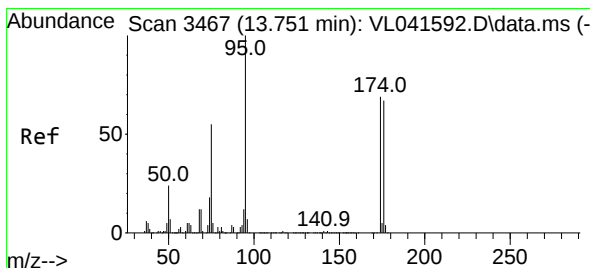
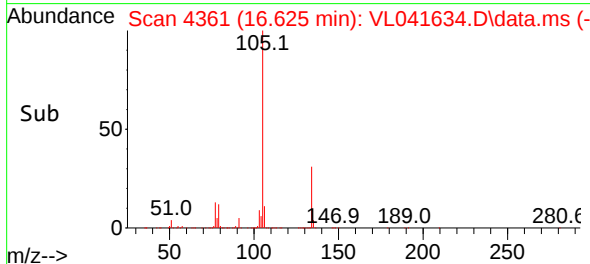
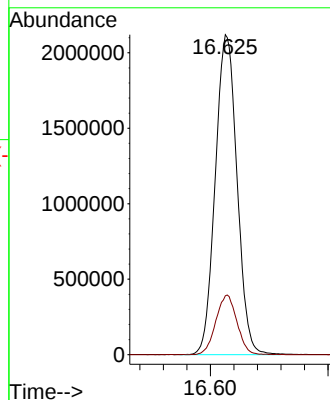
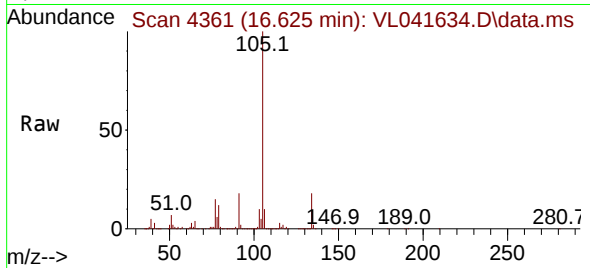




#67
 sec-Butylbenzene
 Concen: 8.759 ppbv
 RT: 16.625 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

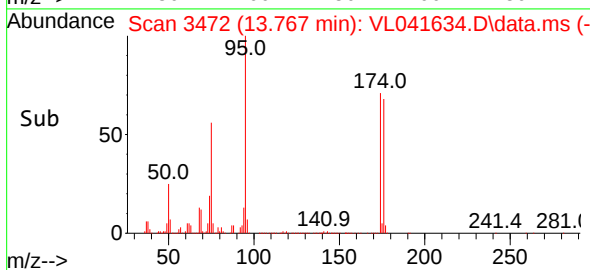
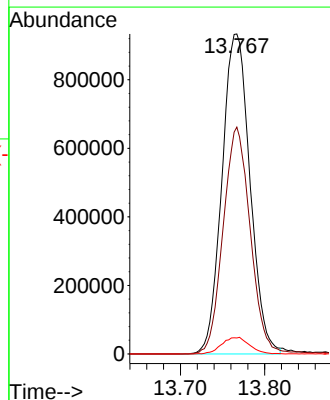
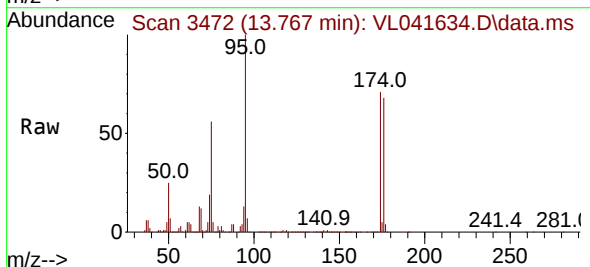
Instrument :
 MSVOA_L
 ClientSampleId :

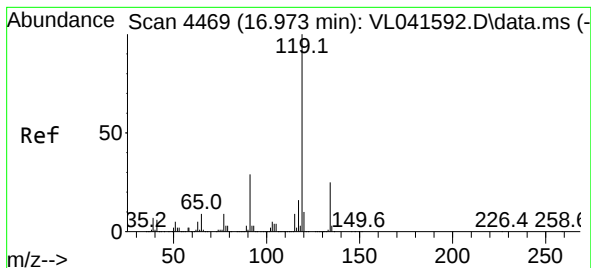
Tgt Ion:105 Resp: 5435465
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.295 ppbv
 RT: 13.767 min Scan# 3472
 Delta R.T. 0.016 min
 Lab File: VL041634.D
 Acq: 10 Oct 2024 9:09

Tgt Ion: 95 Resp: 2153273
 Ion Ratio Lower Upper
 95 100
 174 69.1 55.8 83.8
 175 5.2 4.1 6.1





#69

p-Isopropyltoluene

Concen: 8.971 ppbv

RT: 16.985 min Scan# 4469

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

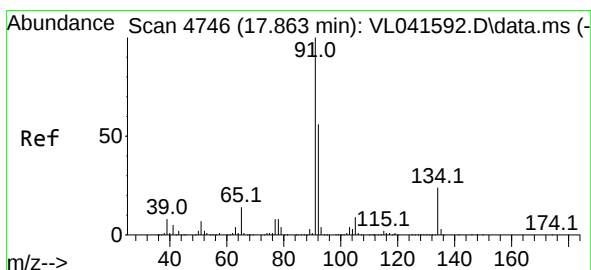
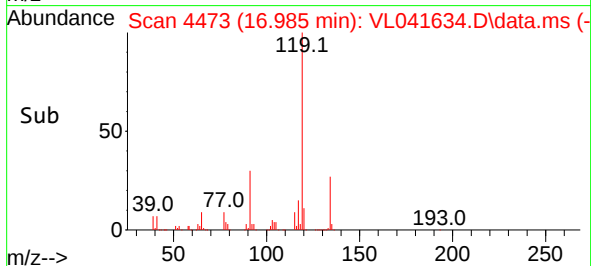
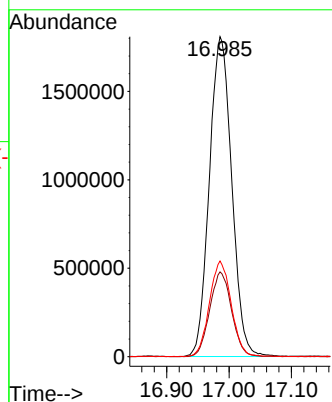
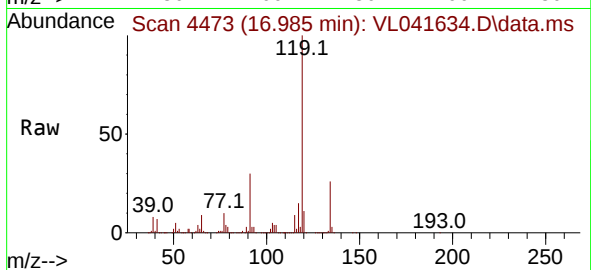
Tgt Ion:119 Resp: 4506632

Ion Ratio Lower Upper

119 100

134 25.9 20.5 30.7

91 29.0 23.1 34.7



#70

n-Butylbenzene

Concen: 8.850 ppbv

RT: 17.876 min Scan# 4750

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

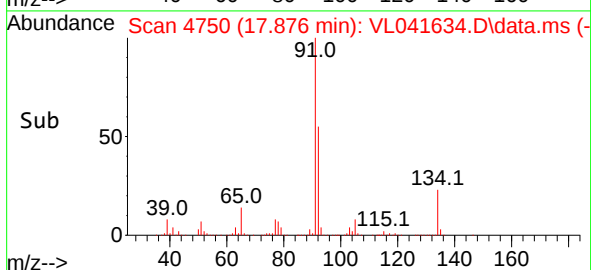
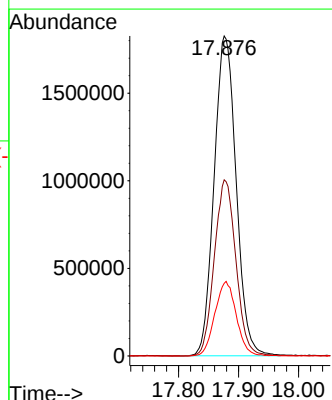
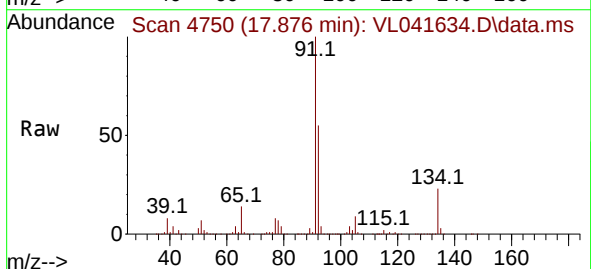
Tgt Ion: 91 Resp: 4657271

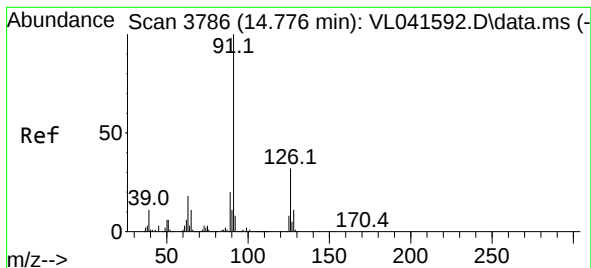
Ion Ratio Lower Upper

91 100

92 54.1 43.2 64.8

134 22.7 18.6 27.8

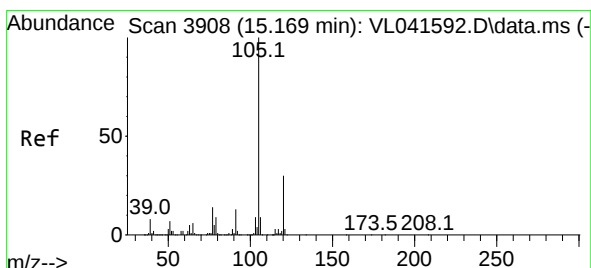
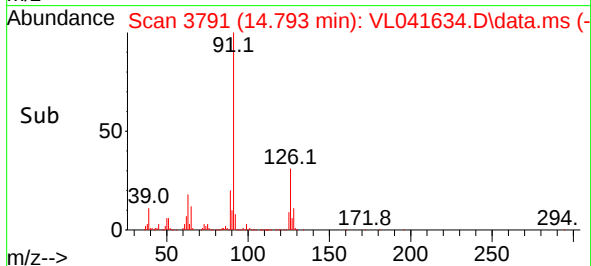
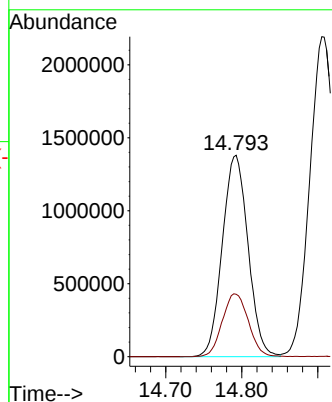
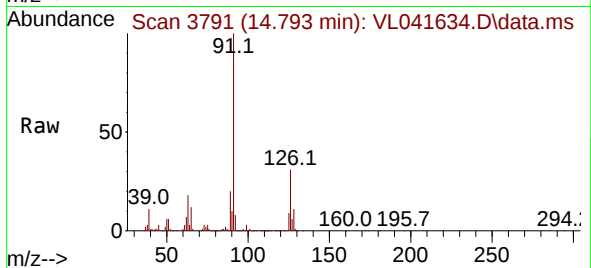




#71
2-Chlorotoluene
Concen: 9.040 ppbv
RT: 14.793 min Scan# 31
Delta R.T. 0.016 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

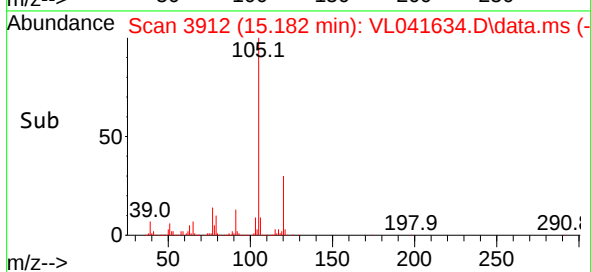
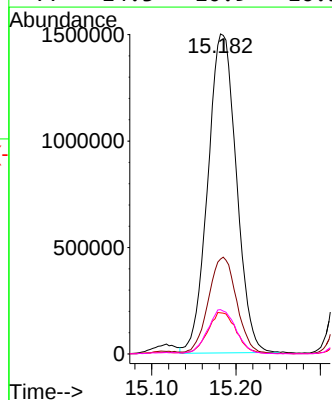
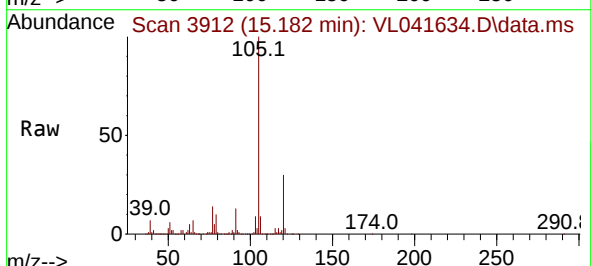
Instrument :
MSVOA_L
ClientSampleId :

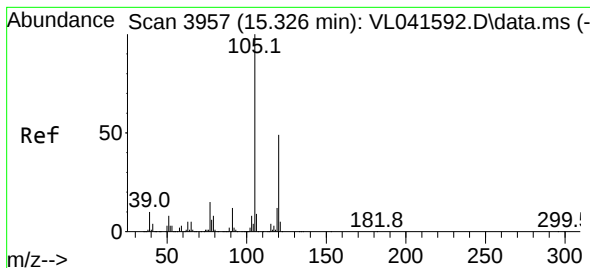
Tgt Ion: 91 Resp: 3245934
Ion Ratio Lower Upper
91 100
126 31.6 12.9 51.5



#72
4-Ethyltoluene
Concen: 9.365 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. 0.013 min
Lab File: VL041634.D
Acq: 10 Oct 2024 9:09

Tgt Ion: 105 Resp: 3525876
Ion Ratio Lower Upper
105 100
120 30.2 24.1 36.1
91 13.1 10.2 15.2
77 14.3 10.9 16.3





#73

1,3,5-Trimethylbenzene

Concen: 9.104 ppbv

RT: 15.342 min Scan# 3957

Delta R.T. 0.016 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

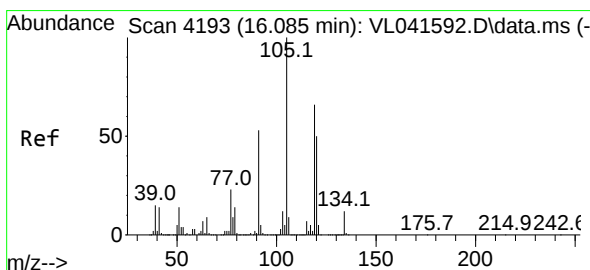
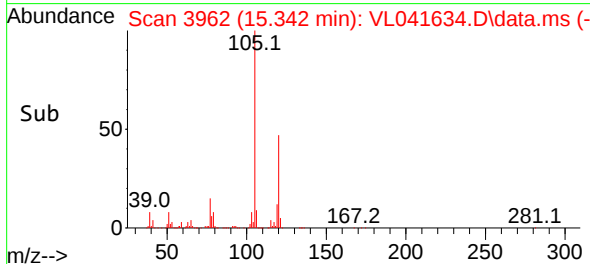
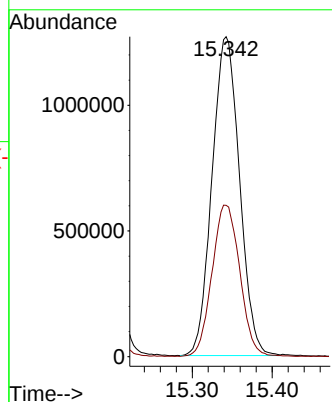
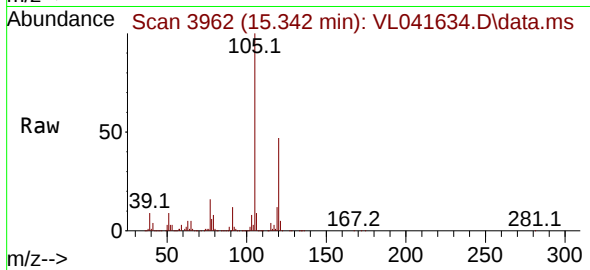
ClientSampleId :

Tgt Ion:105 Resp: 3026720

Ion Ratio Lower Upper

105 100

120 47.4 39.4 59.0



#74

1,2,4-Trimethylbenzene

Concen: 8.686 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Tgt Ion:105 Resp: 3379945

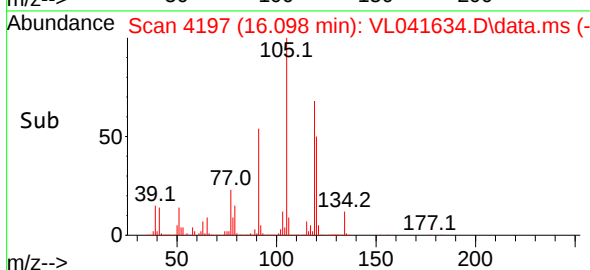
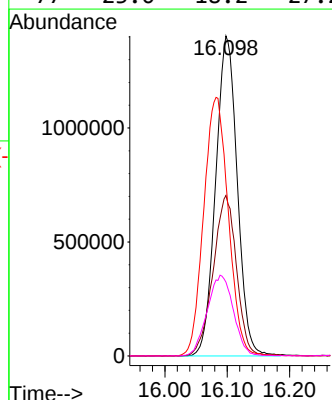
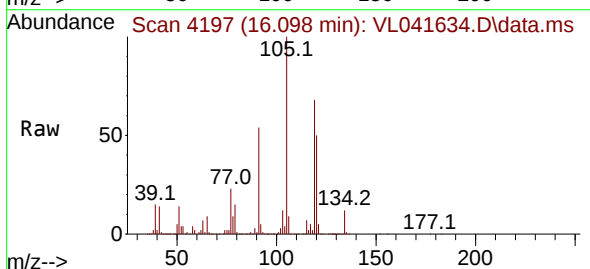
Ion Ratio Lower Upper

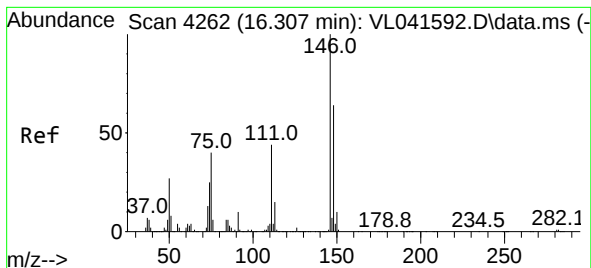
105 100

120 50.1 39.9 59.9

91 53.9 42.6 63.8

77 23.0 18.2 27.2





#75

1,3-Dichlorobenzene

Concen: 8.456 ppbv

RT: 16.323 min Scan# 4311

Delta R.T. 0.016 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

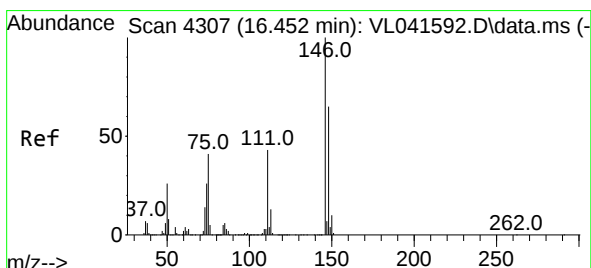
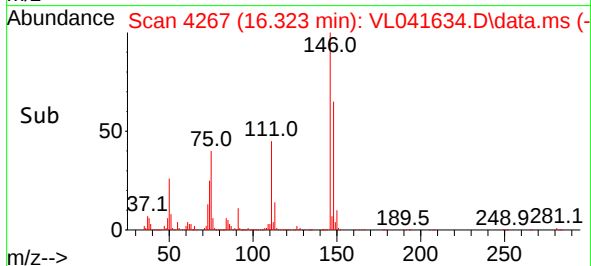
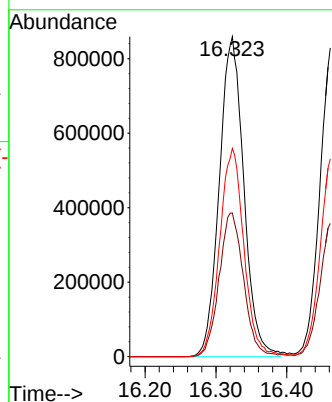
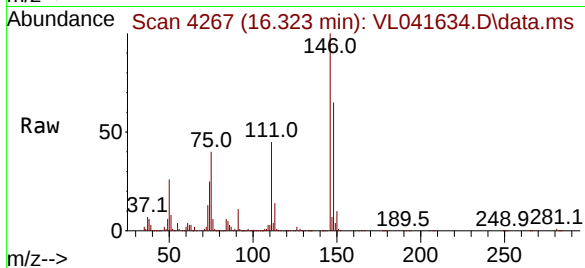
Tgt Ion:146 Resp: 2062210

Ion Ratio Lower Upper

146 100

111 45.1 22.4 67.0

148 64.7 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 8.576 ppbv

RT: 16.465 min Scan# 4311

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

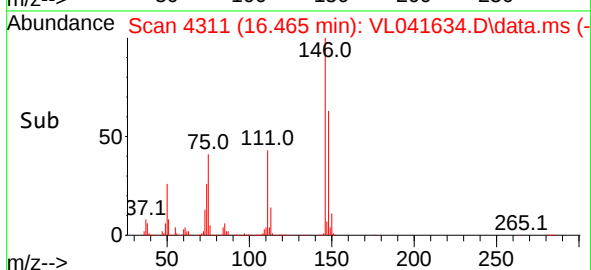
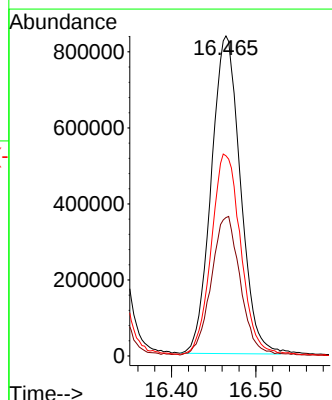
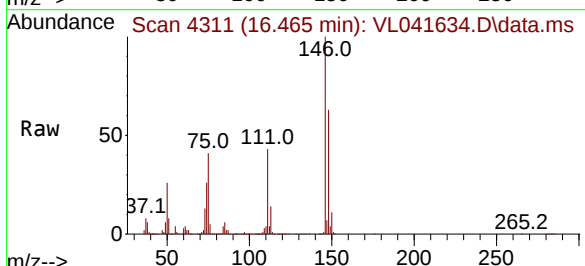
Tgt Ion:146 Resp: 2004245

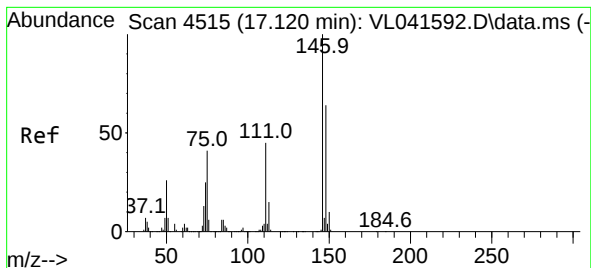
Ion Ratio Lower Upper

146 100

111 44.2 22.4 67.3

148 65.0 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 8.333 ppbv

RT: 17.137 min Scan# 4515

Delta R.T. 0.016 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

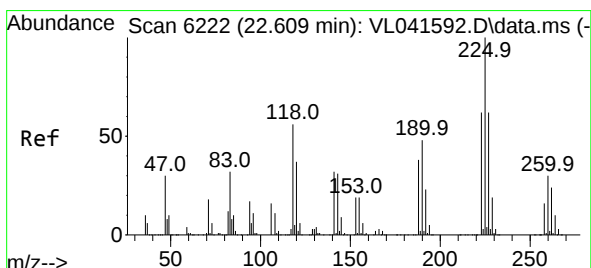
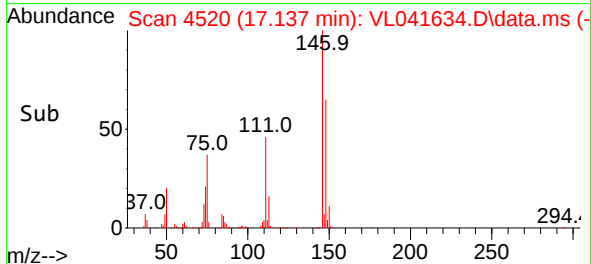
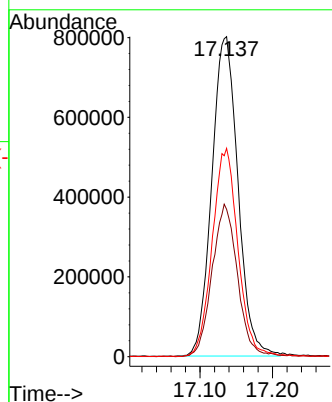
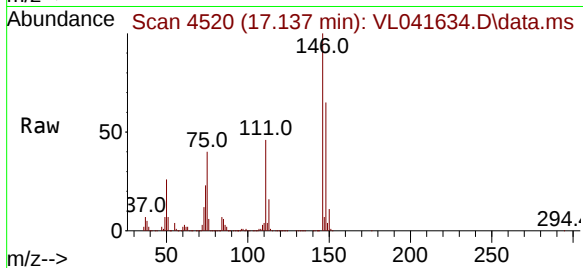
Tgt Ion:146 Resp: 2006325

Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.0

148 64.2 32.5 97.4



#78

Hexachloro-1,3-Butadiene

Concen: 7.169 ppbv

RT: 22.622 min Scan# 6226

Delta R.T. 0.013 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

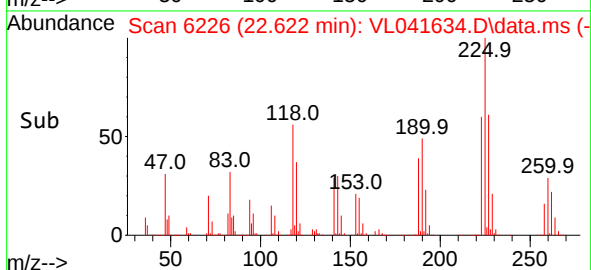
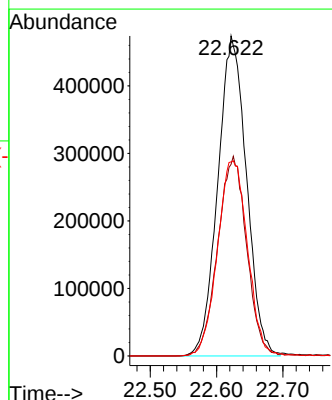
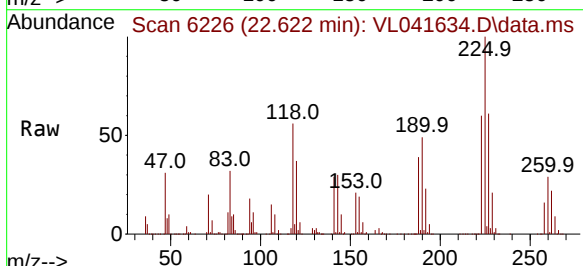
Tgt Ion:225 Resp: 1423756

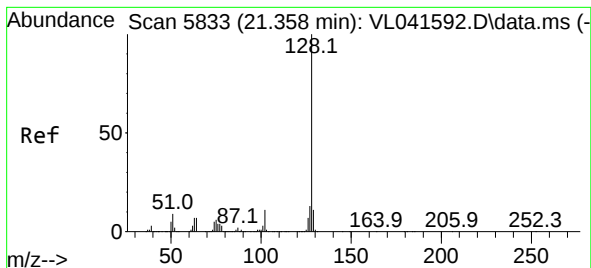
Ion Ratio Lower Upper

225 100

223 63.1 50.6 75.8

227 64.0 50.9 76.3





#79

Naphthalene

Concen: 9.863 ppbv

RT: 21.374 min Scan# 5838

Delta R.T. 0.016 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :

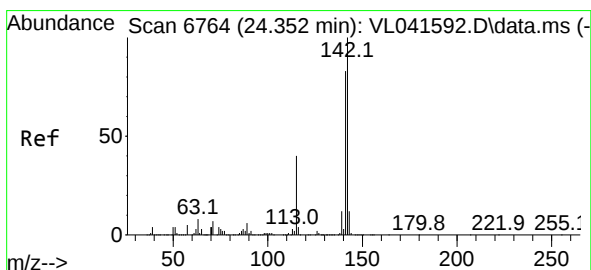
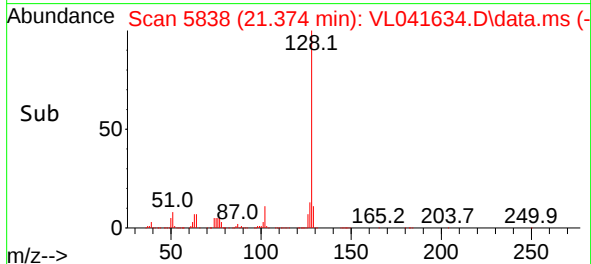
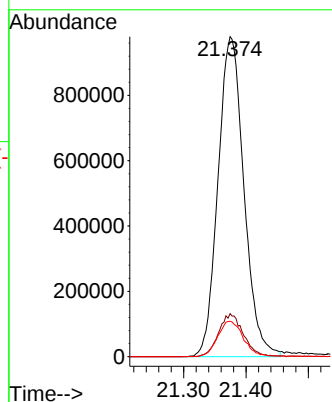
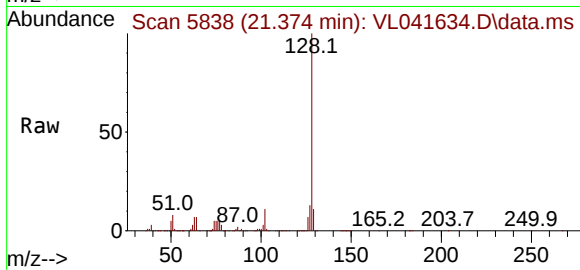
Tgt Ion:128 Resp: 2824673

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

129 11.0 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 6.189 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. 0.016 min

Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

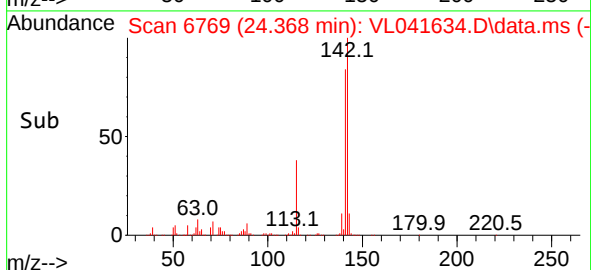
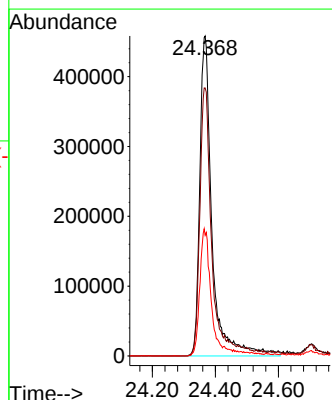
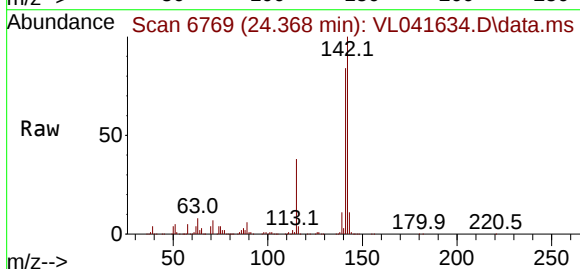
Tgt Ion:142 Resp: 1241942

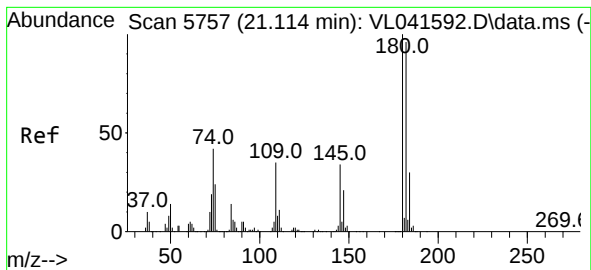
Ion Ratio Lower Upper

142 100

141 84.6 66.3 99.5

115 39.2 31.4 47.2





#81

1,2,4-Trichlorobenzene

Concen: 8.057 ppbv

RT: 21.133 min Scan# 51

Delta R.T. 0.019 min

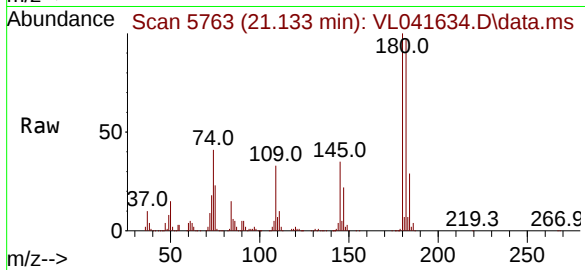
Lab File: VL041634.D

Acq: 10 Oct 2024 9:09

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1466922

Ion Ratio Lower Upper

180 100

182 97.1 76.5 114.7

184 31.3 24.7 37.1

