

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
 Data File : VL040052.D
 Acq On : 20 Dec 2022 12:03
 Operator : SY/MD
 Sample : VL1220ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABS01

Quant Time: Dec 21 03:54:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.163	49	877398	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.626	114	2610303	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2998899	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1888043	8.242	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.703	85	1561960	9.510	ppbv	100
3) Chlorodifluoromethane	2.648	51	1150247	8.885	ppbv	100
4) Chloromethane	2.787	50	723587	8.921	ppbv	98
5) Vinyl Chloride	2.893	62	607371	9.255	ppbv	100
6) Bromomethane	3.092	94	226312	9.385	ppbv	99
7) Chloroethane	3.169	64	235386	9.506	ppbv	97
8) Dichlorotetrafluoroethane	2.829	85	1563038	9.046	ppbv	99
9) Propene	2.665	41	483581	8.802	ppbv	97
10) Heptane	7.552	43	1234975	9.210	ppbv	100
11) Trichlorofluoromethane	3.533	101	1629375	9.130	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.037	101	1224628	9.061	ppbv	100
13) Ethanol	3.218	45	32151	6.218	ppbv	76
14) Bromoethene	3.337	108	491360	9.654	ppbv	99
15) Acetone	3.439	43	1099862	8.103	ppbv	100
16) 1,3-Butadiene	2.957	39	567403	9.617	ppbv	100
17) tert-Butyl alcohol	3.851	59	1130784	8.451	ppbv	99
18) 1,1-Dichloroethene	3.851	96	536512	9.120	ppbv	93
19) Isopropyl Alcohol	3.549	45	580964	8.685	ppbv #	97
20) Methylene Chloride	3.902	84	477572	8.278	ppbv	98
21) Allyl Chloride	3.967	41	767651	9.412	ppbv	100
22) trans-1,2-Dichloroethene	4.417	96	561475	9.576	ppbv	94
23) Vinyl Acetate	4.600	43	392188	9.114	ppbv #	97
24) 1,1-Dichloroethane	4.536	63	1137821	9.004	ppbv	100
25) Ethyl Acetate	5.176	43	2071635	8.813	ppbv	99
26) Hexane	5.185	57	895525	9.065	ppbv	98
27) Carbon Disulfide	4.095	76	1323767	10.623	ppbv	98
28) Methyl tert-Butyl Ether	4.555	73	1045133	8.976	ppbv	99
29) Chloroform	5.246	83	1585764	10.518	ppbv	99
30) Cyclohexane	6.571	84	820012	9.372	ppbv	98
31) cis-1,2-Dichloroethene	5.050	61	865856	9.203	ppbv	95
32) 1,1,1-Trichloroethane	5.973	97	1612902	9.993	ppbv	99
34) 2-Butanone	4.758	43	1235082	8.722	ppbv	98
35) Carbon Tetrachloride	6.465	117	1677323	10.345	ppbv	99
36) Benzene	6.343	78	2097086	8.995	ppbv	98
37) 1,2-Dichloroethane	5.777	62	1255647	9.181	ppbv	98
38) Trichloroethene	7.266	130	1240550	10.355	ppbv	98
39) 1,2-Dichloropropane	7.044	63	783850	8.970	ppbv	97
40) 1,4-Dioxane	7.262	88	336015	8.532	ppbv	92
41) Tetrahydrofuran	5.529	42	794993	8.994	ppbv	100
42) Bromodichloromethane	7.221	83	1776177	9.480	ppbv	99
43) Methyl Methacrylate	7.449	69	834000	9.532	ppbv	99
44) 2,2,4-Trimethylpentane	7.301	57	3377452	8.800	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	790390	10.689	ppbv	97

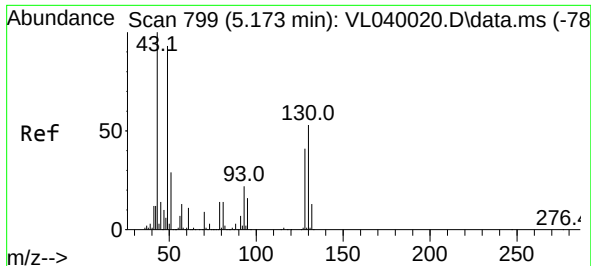
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122022\
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Quant Time: Dec 21 03:54:12 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	1058557	10.150	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	849408	8.876	ppbv	98
48) Dibromochloromethane	9.687	129	1404387	9.650	ppbv	100
49) Bromoform	12.384	173	1036606	9.337	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	2078575	8.985	ppbv	100
51) 2-Hexanone	9.526	43	1623851	9.024	ppbv #	99
52) Tetrachloroethene	10.590	164	708548	8.939	ppbv	99
53) Toluene	9.195	91	2353953	9.120	ppbv	100
54) 1,2-Dibromoethane	9.983	107	972599	9.438	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.484	131	1010933	7.308	ppbv	99
57) Chlorobenzene	11.503	112	1782204	7.001	ppbv	96
58) Ethyl Benzene	12.063	91	3133918	7.355	ppbv	99
59) m/p-Xylene	12.349	91	2918903	7.864	ppbv #	46
60) o-Xylene	13.034	91	2540715	7.144	ppbv	98
61) Styrene	12.873	104	1466840	7.690	ppbv	99
62) Isopropylbenzene	14.005	105	3525723	6.877	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.024	83	802753	6.157	ppbv	99
64) n-propylbenzene	14.896	120	885725	6.839	ppbv	97
65) tert-Butylbenzene	16.066	119	2996764	6.726	ppbv	99
66) Benzyl Chloride	16.304	91	114554	4.409	ppbv #	79
67) sec-Butylbenzene	16.613	105	4211561	6.745	ppbv	99
69) p-Isopropyltoluene	16.973	119	3399422	6.816	ppbv	100
70) n-Butylbenzene	17.863	91	3572369	6.836	ppbv	99
71) 2-Chlorotoluene	14.777	91	2659802	6.800	ppbv	100
72) 4-Ethyltoluene	15.169	105	2783008	7.048	ppbv	99
73) 1,3,5-Trimethylbenzene	15.326	105	2458253	6.903	ppbv	97
74) 1,2,4-Trimethylbenzene	16.085	105	2634548	6.712	ppbv	100
75) 1,3-Dichlorobenzene	16.310	146	1462192	6.808	ppbv	99
76) 1,4-Dichlorobenzene	16.452	146	1437261	6.854	ppbv	99
77) 1,2-Dichlorobenzene	17.121	146	1418216	6.885	ppbv	99
78) Hexachloro-1,3-Butadiene	22.609	225	998916	6.991	ppbv #	100
79) Naphthalene	21.362	128	2133804	9.123	ppbv	98
80) Naphthalene,2-methyl-	24.358	142	454909	6.357	ppbv	97
81) 1,2,4-Trichlorobenzene	21.117	180	1080147	7.775	ppbv	99

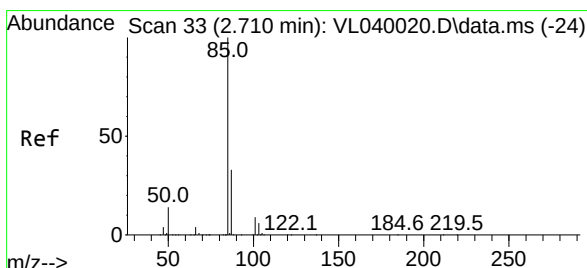
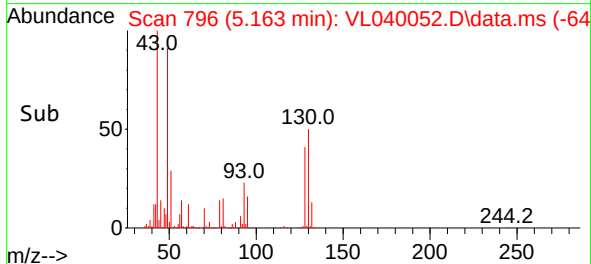
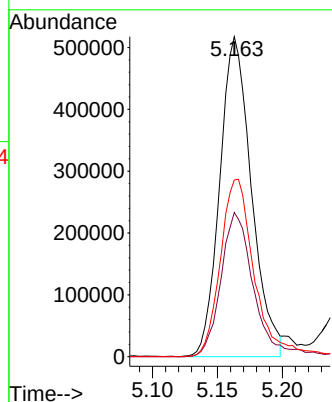
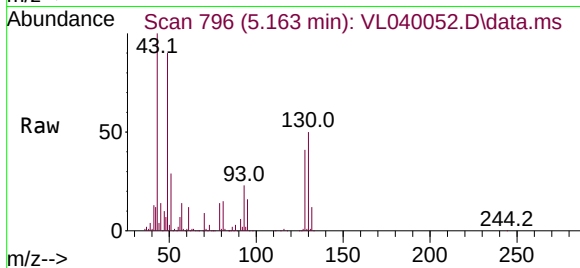
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.163 min Scan# 799
 Delta R.T. -0.010 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

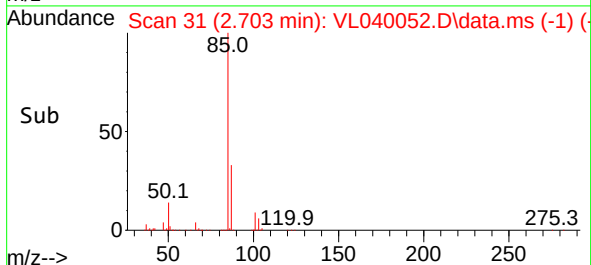
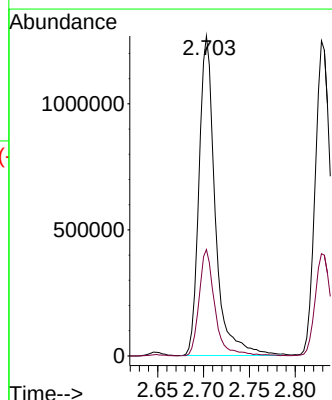
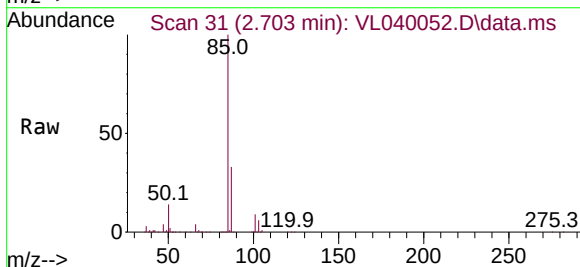
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABS01

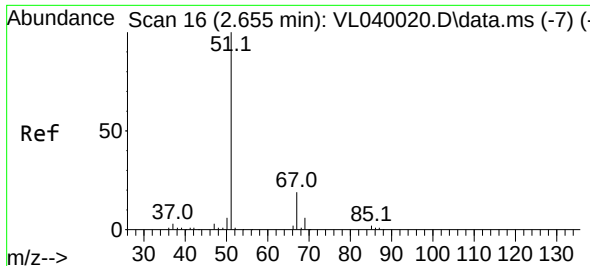
Tgt Ion: 49 Resp: 877398
 Ion Ratio Lower Upper
 49 100
 128 47.9 22.4 67.3
 130 60.9 28.9 86.8



#2
 Dichlorodifluoromethane
 Concen: 9.510 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Tgt Ion: 85 Resp: 1561960
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.6 40.0

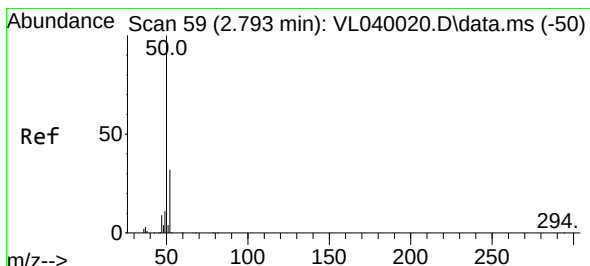
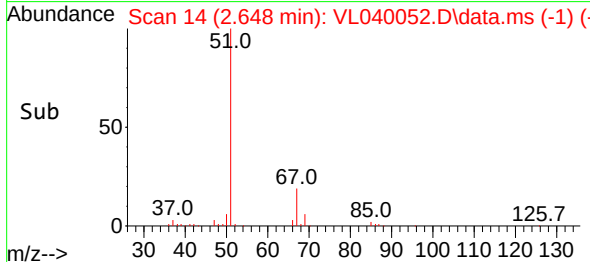
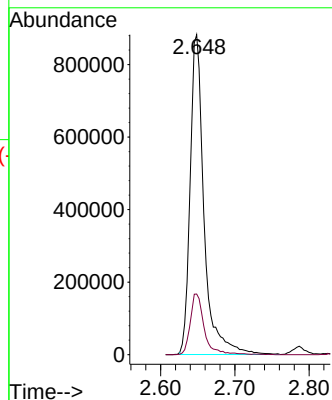
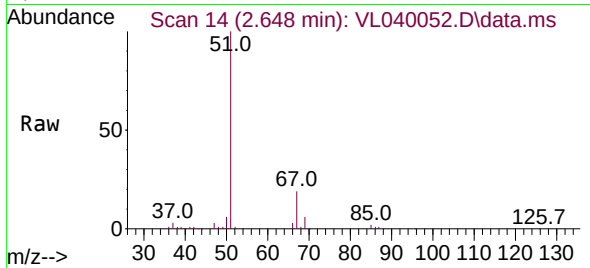




#3
Chlorodifluoromethane
Concen: 8.885 ppbv
RT: 2.648 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

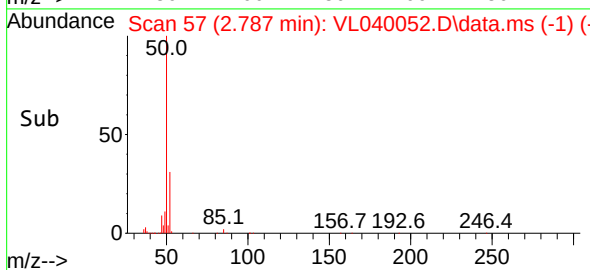
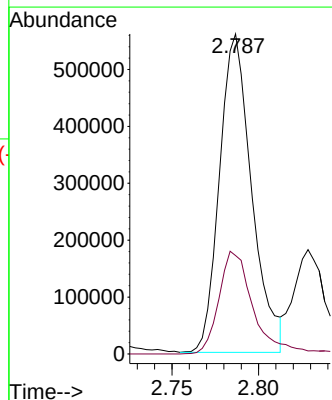
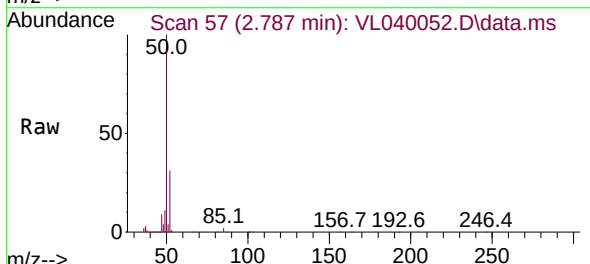
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ClientSampleId :
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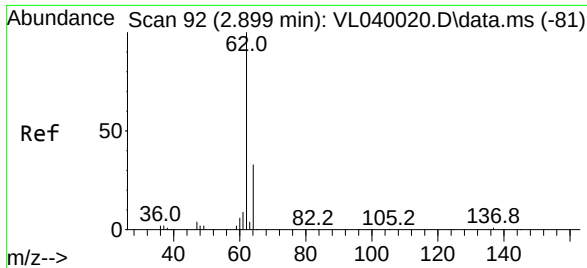
Tgt Ion: 51 Resp: 1150247
Ion Ratio Lower Upper
51 100
67 19.2 15.3 22.9



#4
Chloromethane
Concen: 8.921 ppbv
RT: 2.787 min Scan# 57
Delta R.T. -0.006 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 50 Resp: 723587
Ion Ratio Lower Upper
50 100
52 30.9 25.5 38.3

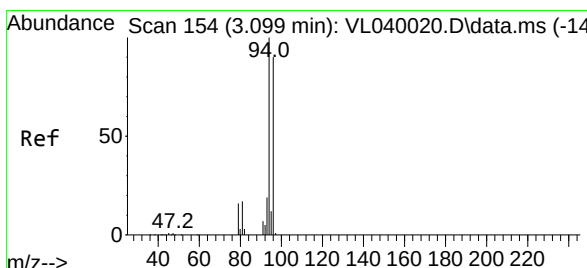
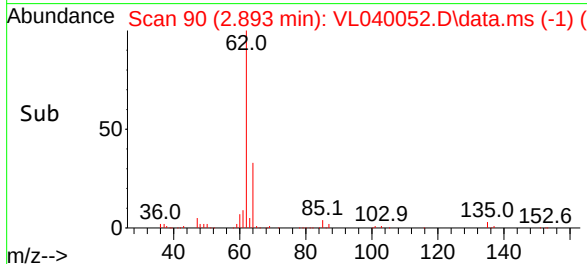
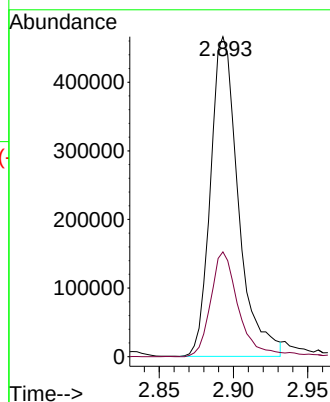
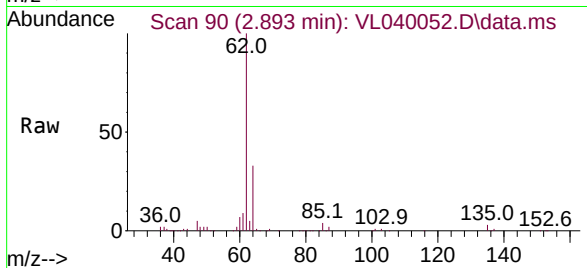




#5
 Vinyl Chloride
 Concen: 9.255 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. -0.006 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

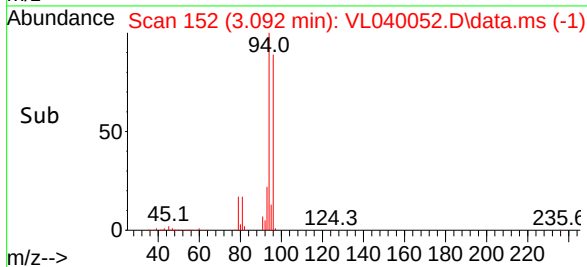
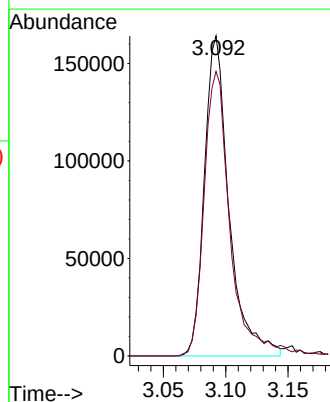
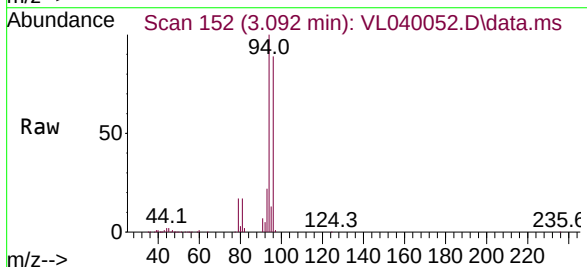
Instrument :
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 VL1220ABS01

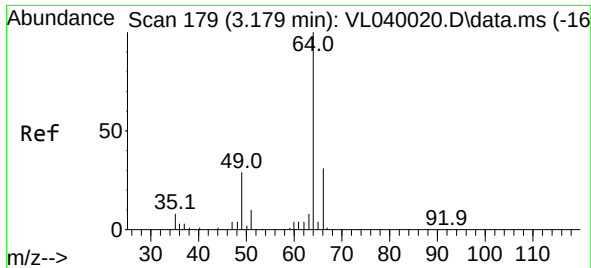
Tgt Ion: 62 Resp: 607371
 Ion Ratio Lower Upper
 62 100
 64 32.8 26.1 39.1



#6
 Bromomethane
 Concen: 9.385 ppbv
 RT: 3.092 min Scan# 152
 Delta R.T. -0.006 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Tgt Ion: 94 Resp: 226312
 Ion Ratio Lower Upper
 94 100
 96 88.7 72.0 108.0

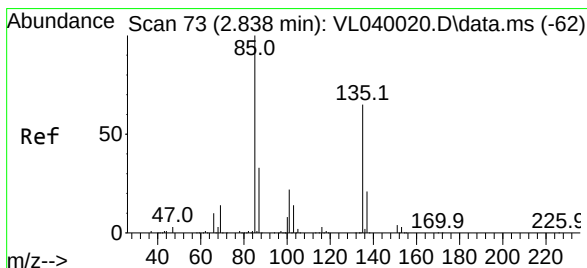
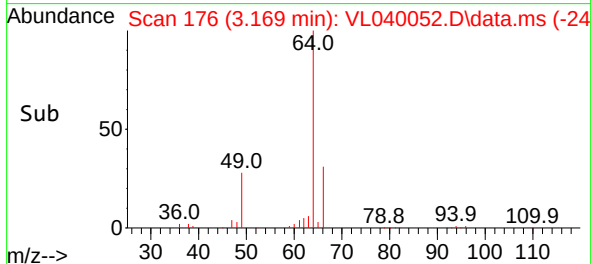
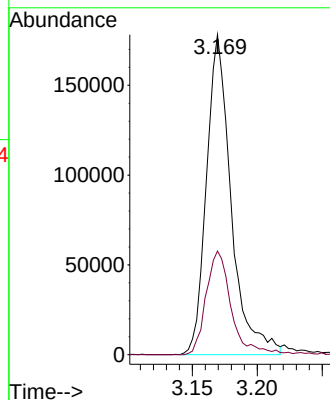
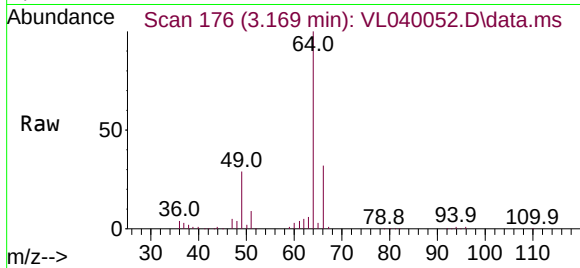




#7
Chloroethane
Concen: 9.506 ppbv
RT: 3.169 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

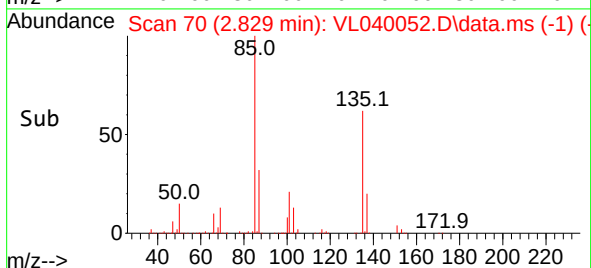
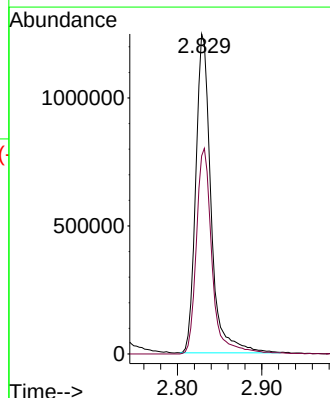
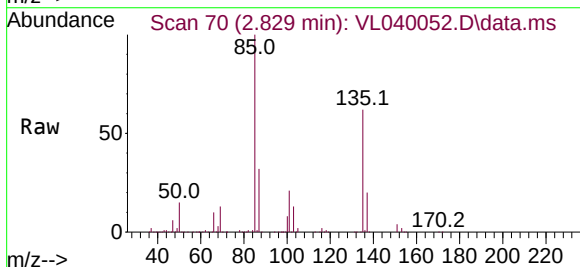
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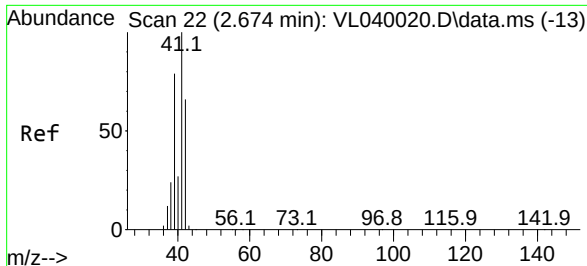
Tgt Ion: 64 Resp: 235386
Ion Ratio Lower Upper
64 100
66 32.4 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 9.046 ppbv
RT: 2.829 min Scan# 70
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 85 Resp: 1563038
Ion Ratio Lower Upper
85 100
135 67.0 53.2 79.8

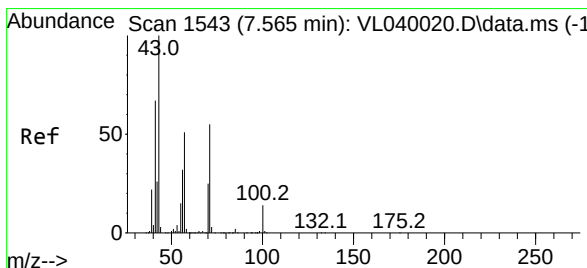
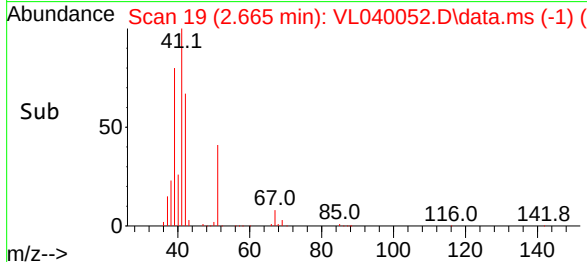
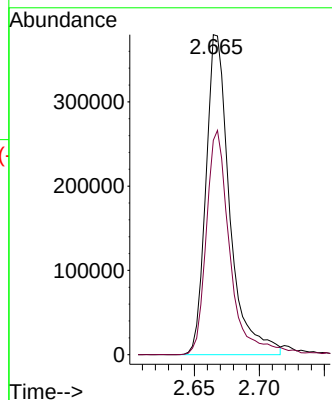
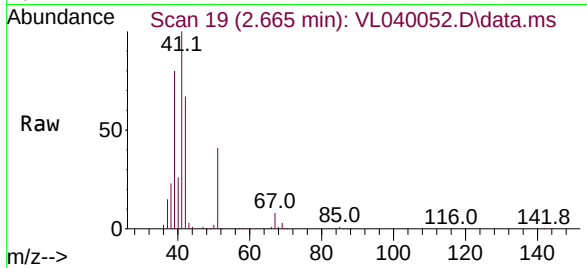




#9
 Propene
 Concen: 8.802 ppbv
 RT: 2.665 min Scan# 1539
 Delta R.T. -0.010 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

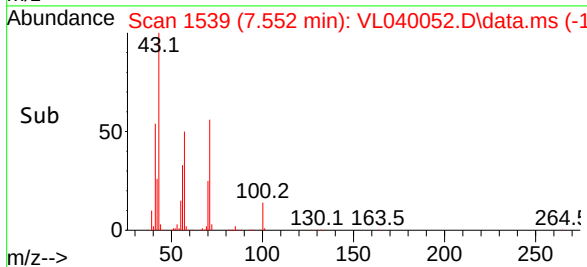
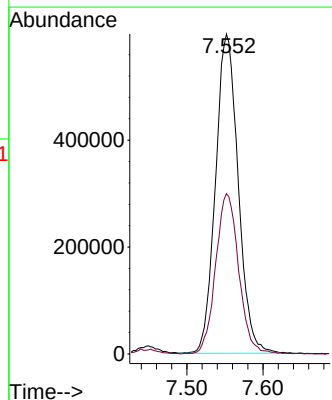
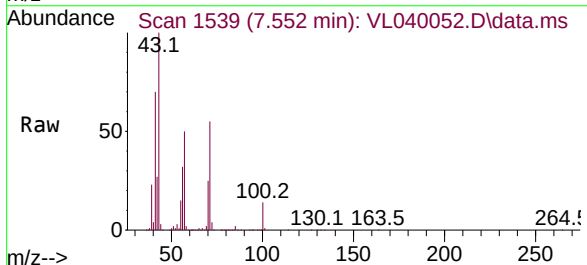
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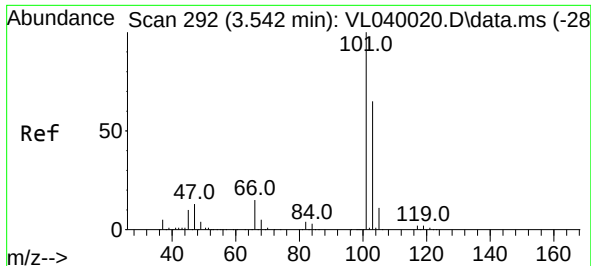
Tgt Ion: 41 Resp: 483581
 Ion Ratio Lower Upper
 41 100
 42 70.7 54.8 82.2



#10
 Heptane
 Concen: 9.210 ppbv
 RT: 7.552 min Scan# 1539
 Delta R.T. -0.013 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Tgt Ion: 43 Resp: 1234975
 Ion Ratio Lower Upper
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 57 51.3 41.2 61.8

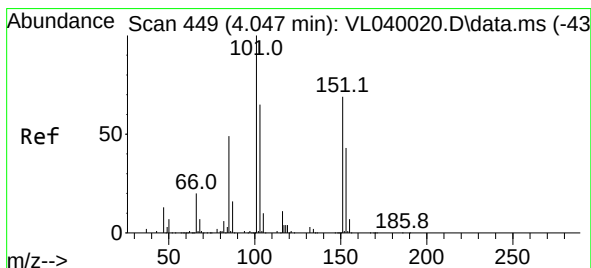
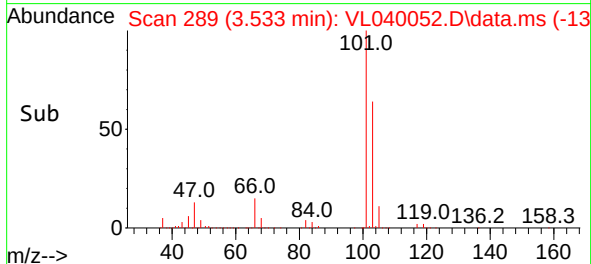
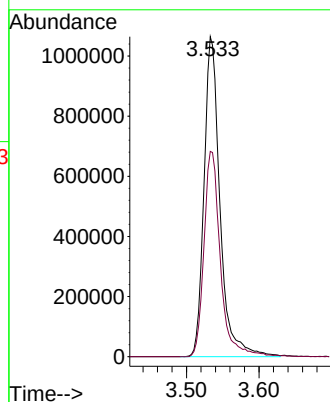
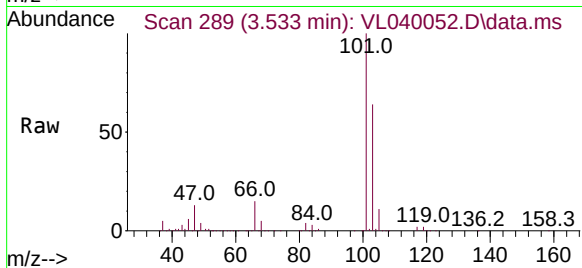




#11
 Trichlorofluoromethane
 Concen: 9.130 ppbv
 RT: 3.533 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

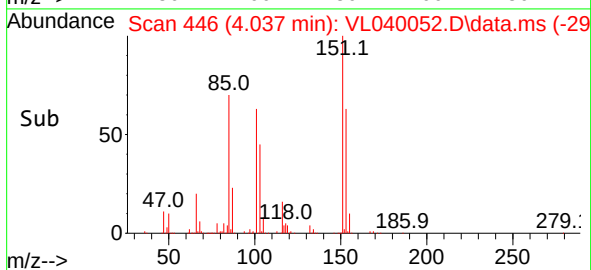
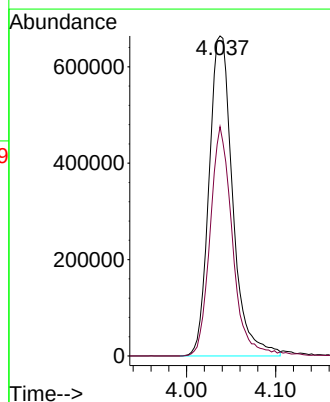
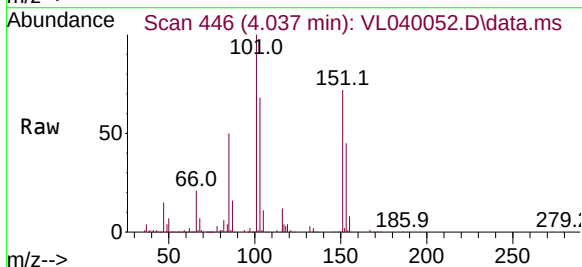
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABS01

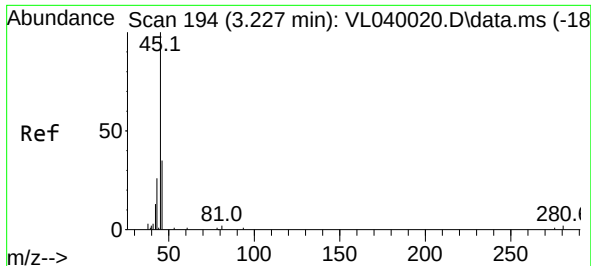
Tgt Ion:101 Resp: 1629375
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.061 ppbv
 RT: 4.037 min Scan# 446
 Delta R.T. -0.010 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Tgt Ion:101 Resp: 1224628
 Ion Ratio Lower Upper
 101 100
 151 68.3 55.0 82.4

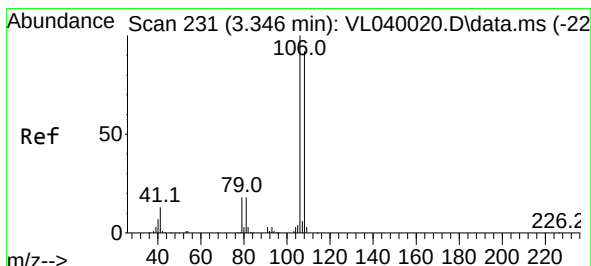
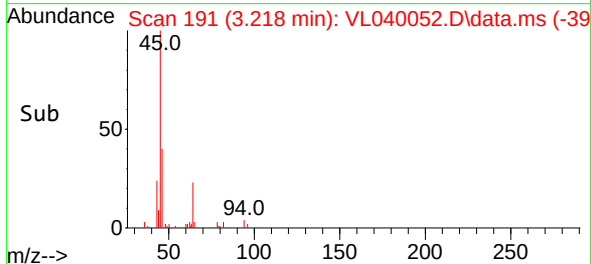
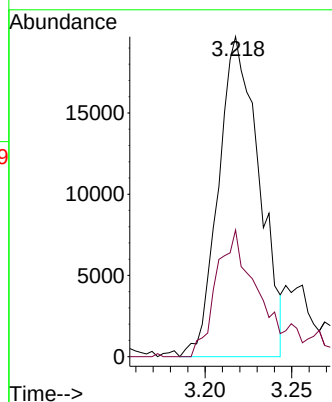
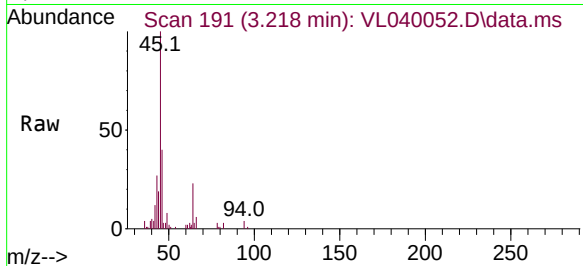




#13
Ethanol
Concen: 6.218 ppbv
RT: 3.218 min Scan# 194
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

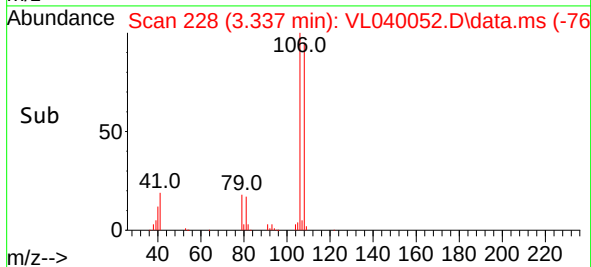
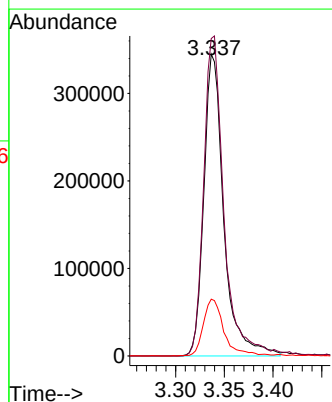
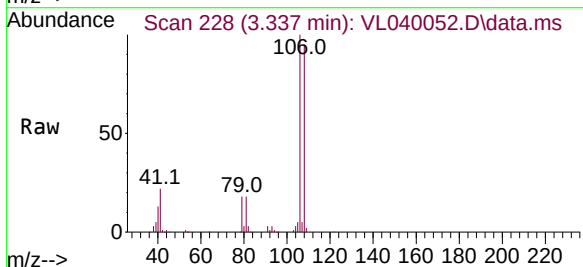
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

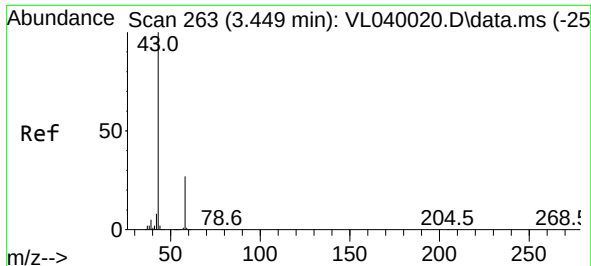
Tgt Ion: 45 Resp: 32151
Ion Ratio Lower Upper
45 100
46 48.1 13.7 54.7



#14
Bromoethene
Concen: 9.654 ppbv
RT: 3.337 min Scan# 228
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion:108 Resp: 491360
Ion Ratio Lower Upper
108 100
106 108.9 87.5 131.3
79 20.1 15.8 23.8

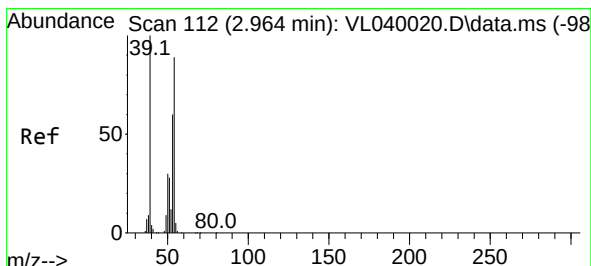
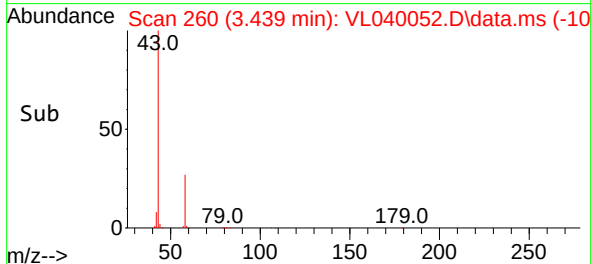
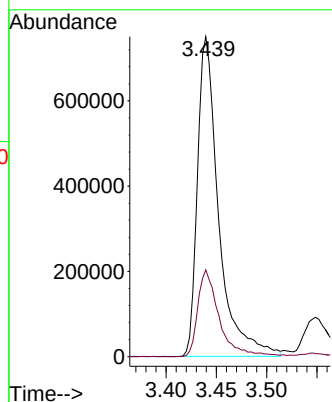
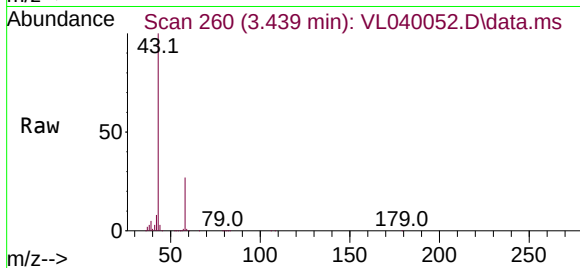




#15
Acetone
Concen: 8.103 ppbv
RT: 3.439 min Scan# 20
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

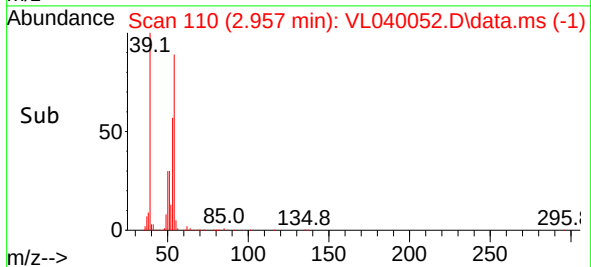
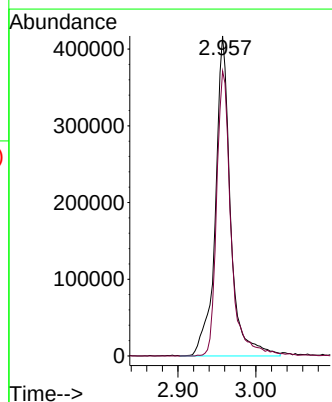
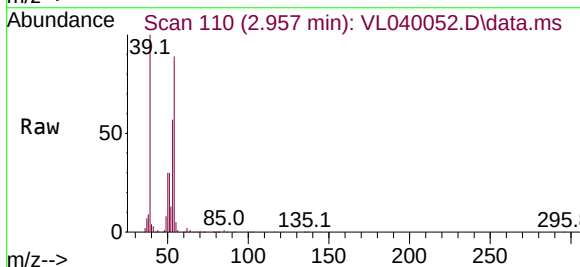
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

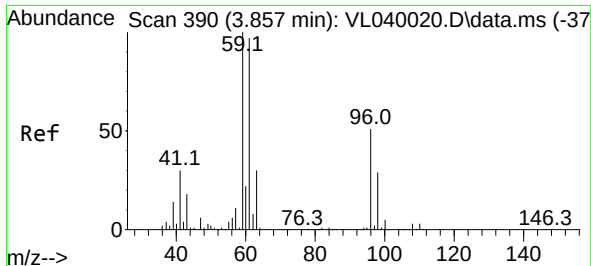
Tgt Ion: 43 Resp: 1099862
Ion Ratio Lower Upper
43 100
58 27.5 21.8 32.8



#16
1,3-Butadiene
Concen: 9.617 ppbv
RT: 2.957 min Scan# 110
Delta R.T. -0.006 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 39 Resp: 567403
Ion Ratio Lower Upper
39 100
54 85.0 68.3 102.5





#17

tert-Butyl alcohol

Concen: 8.451 ppbv

RT: 3.851 min Scan# 388

Delta R.T. -0.006 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

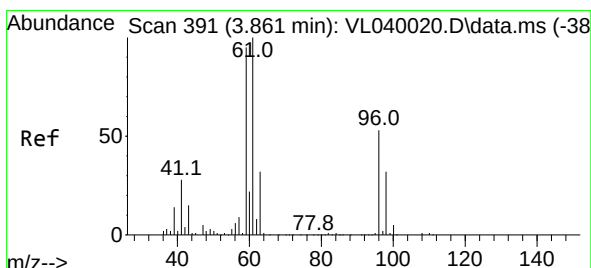
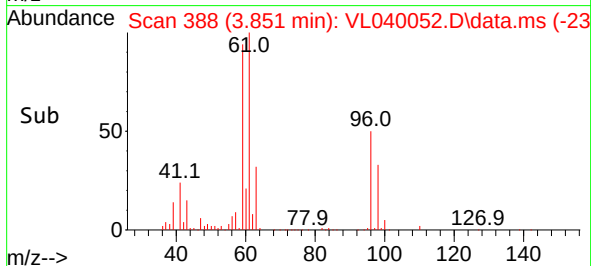
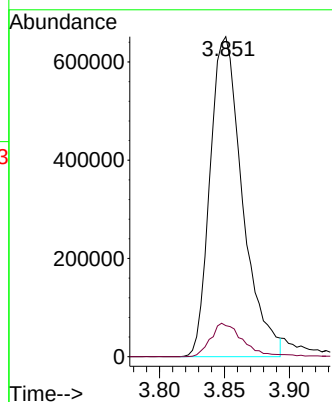
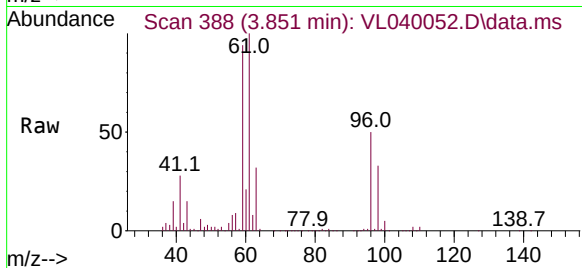
VL1220ABS01

Tgt Ion: 59 Resp: 1130784

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



#18

1,1-Dichloroethene

Concen: 9.120 ppbv

RT: 3.851 min Scan# 388

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

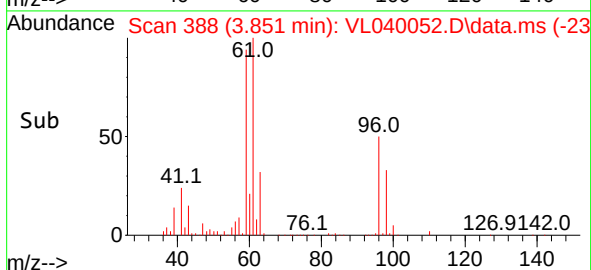
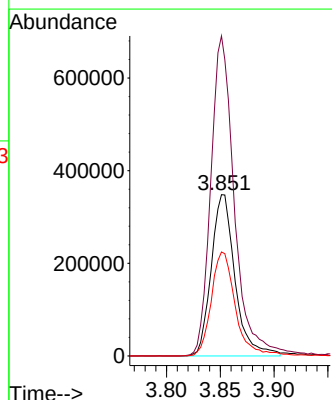
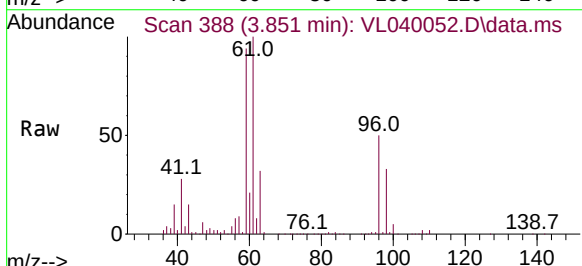
Tgt Ion: 96 Resp: 536512

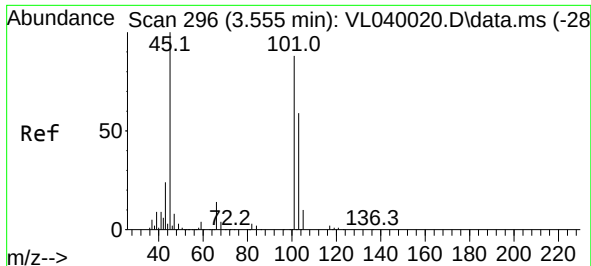
Ion Ratio Lower Upper

96 100

61 198.4 151.0 226.6

98 64.5 47.7 71.5





#19

Isopropyl Alcohol

Concen: 8.685 ppbv

RT: 3.549 min Scan# 296

Delta R.T. -0.006 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

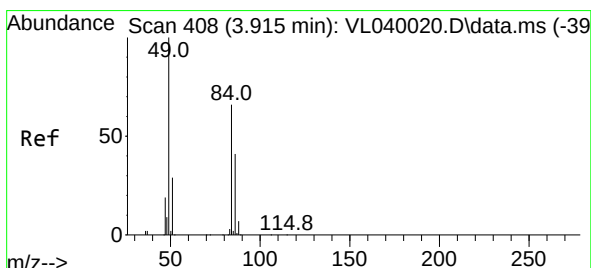
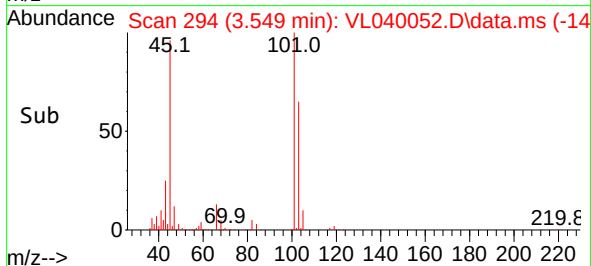
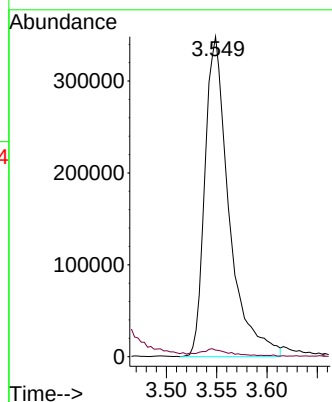
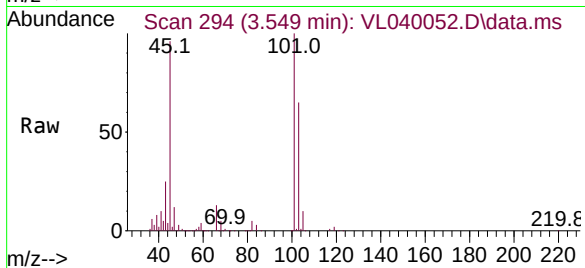
VL1220ABS01

Tgt Ion: 45 Resp: 580964

Ion Ratio Lower Upper

45 100

58 3.2 1.7 2.5#



#20

Methylene Chloride

Concen: 8.278 ppbv

RT: 3.902 min Scan# 404

Delta R.T. -0.013 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Tgt Ion: 84 Resp: 477572

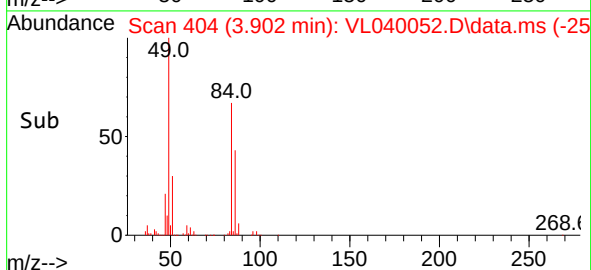
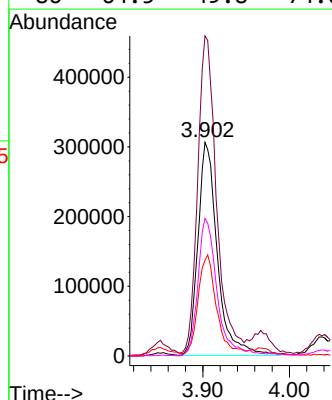
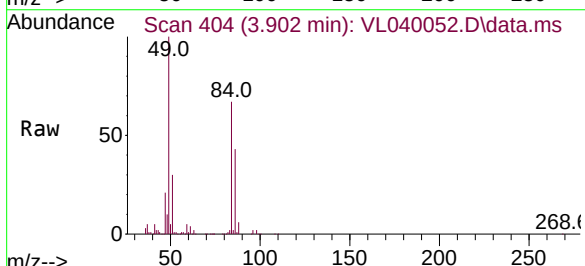
Ion Ratio Lower Upper

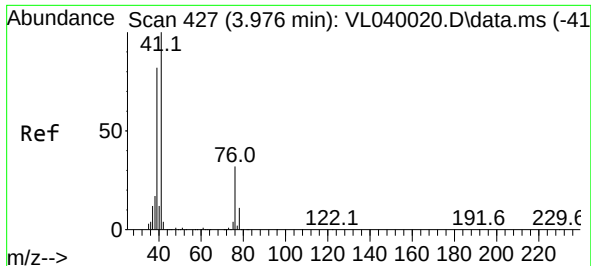
84 100

49 148.9 120.5 180.7

51 43.9 35.2 52.8

86 64.5 49.8 74.6





#21

Allyl Chloride

Concen: 9.412 ppbv

RT: 3.967 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_1

ClientSampleId :

VL1220ABS01

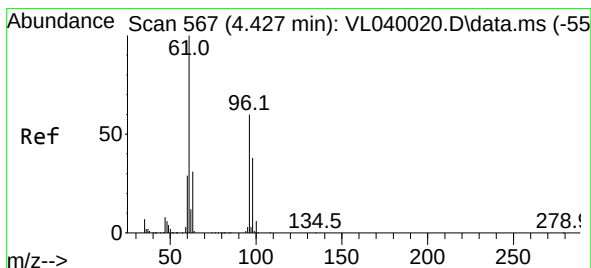
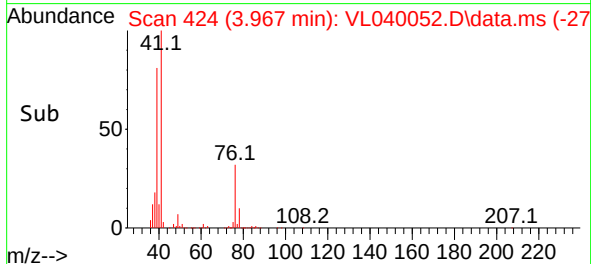
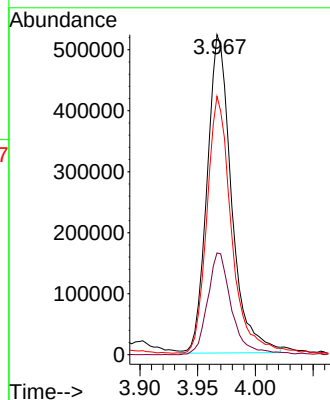
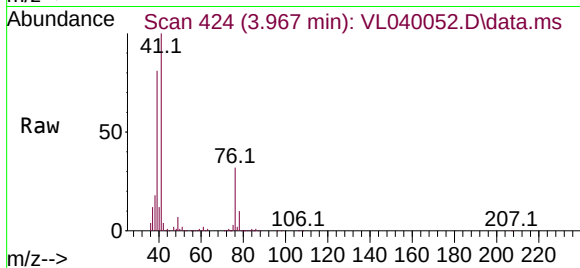
Tgt Ion: 41 Resp: 767651

Ion Ratio Lower Upper

41 100

76 31.7 25.9 38.9

39 82.4 66.0 99.0



#22

trans-1,2-Dichloroethene

Concen: 9.576 ppbv

RT: 4.417 min Scan# 564

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

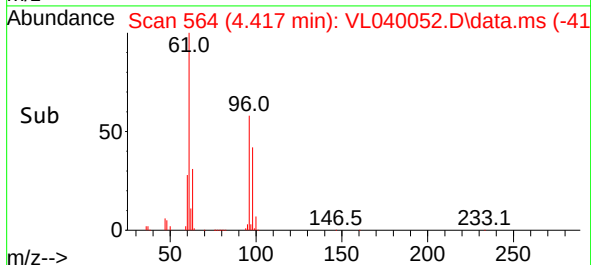
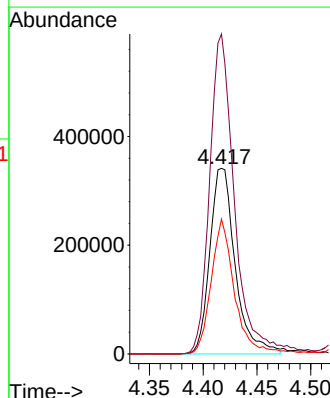
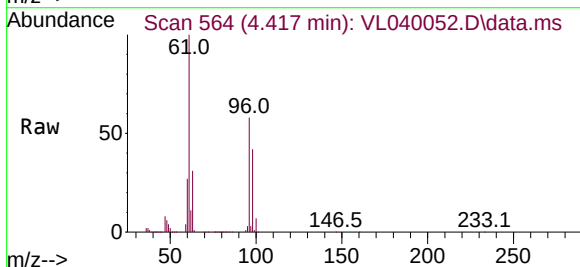
Tgt Ion: 96 Resp: 561475

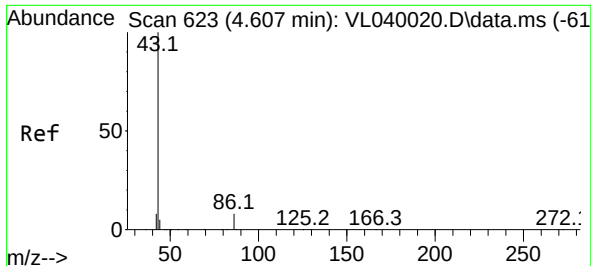
Ion Ratio Lower Upper

96 100

61 172.4 133.6 200.4

98 72.7 51.4 77.0



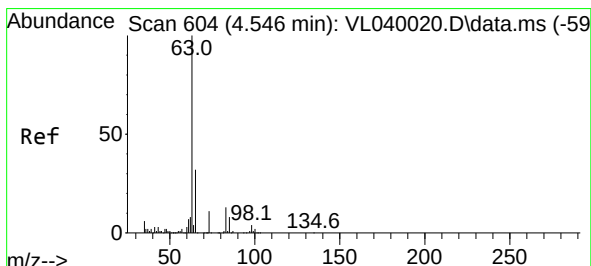
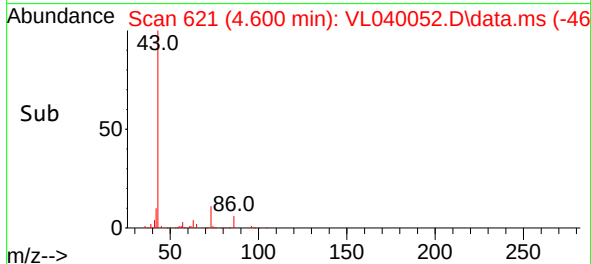
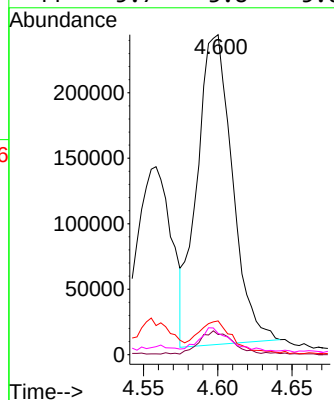
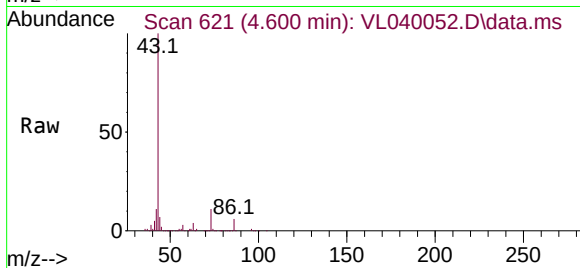


#23
 Vinyl Acetate
 Concen: 9.114 ppbv
 RT: 4.600 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Instrument :
 MSVOA_1
 ClientSampleId :
 VL1220ABS01

Tgt Ion: 43 Resp: 392188

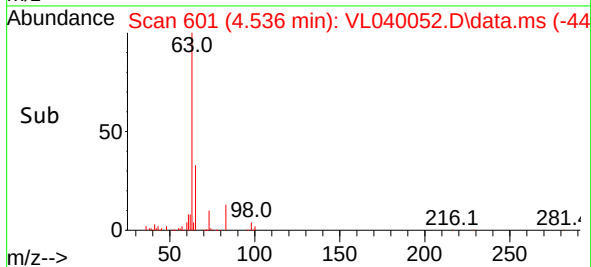
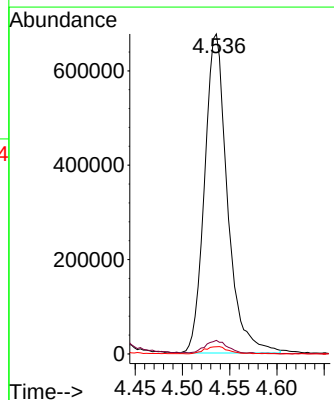
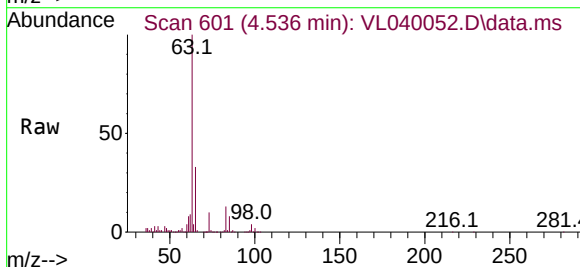
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.3	7.9
42	10.4	7.4	11.0
44	5.7	3.8	5.6

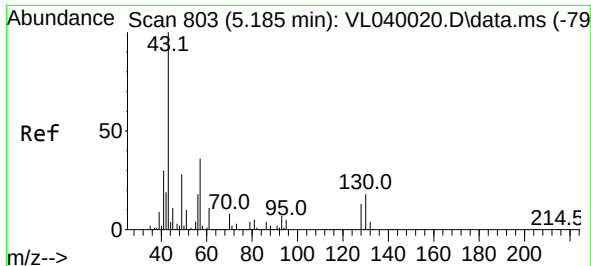


#24
 1,1-Dichloroethane
 Concen: 9.004 ppbv
 RT: 4.536 min Scan# 601
 Delta R.T. -0.010 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Tgt Ion: 63 Resp: 1137821

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.2
100	2.2	1.1	3.3



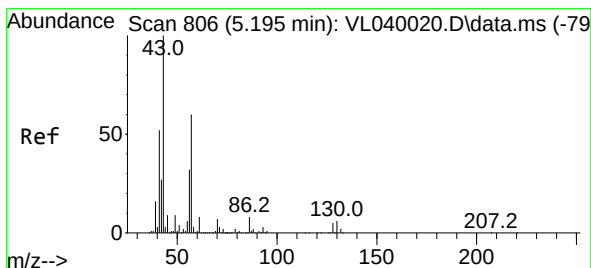
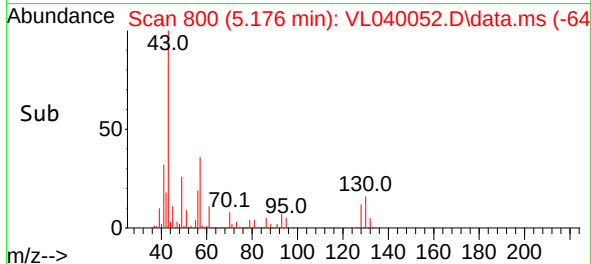
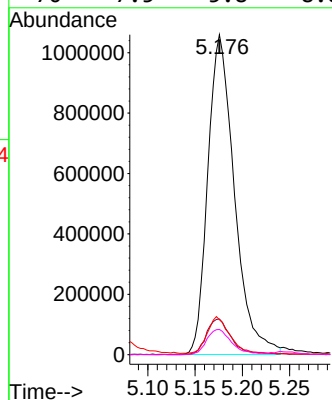
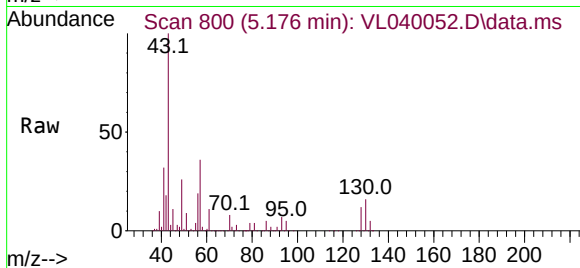


#25
Ethyl Acetate
Concen: 8.813 ppbv
RT: 5.176 min Scan# 803
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

Tgt Ion: 43 Resp: 2071635

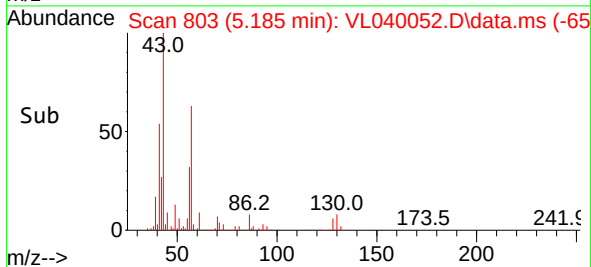
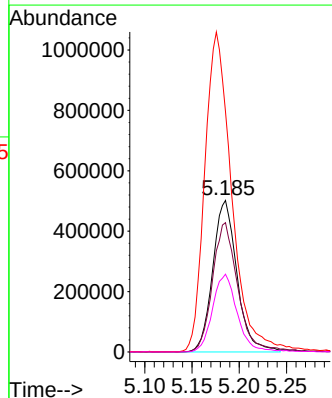
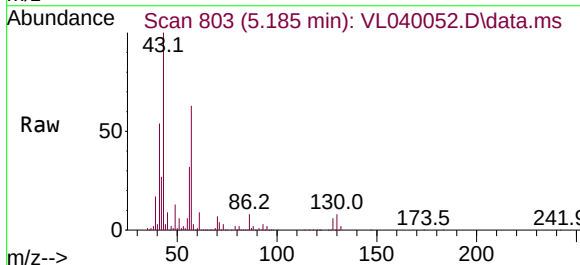
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.6	12.8
61	10.9	8.5	12.7
70	7.5	5.8	8.8

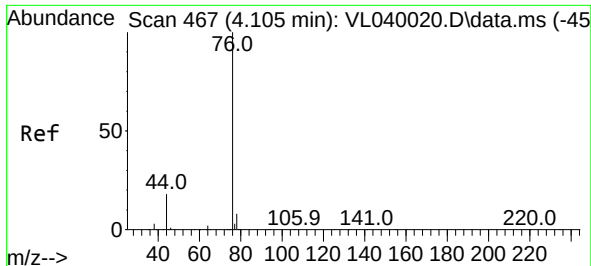


#26
Hexane
Concen: 9.065 ppbv
RT: 5.185 min Scan# 803
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 57 Resp: 895525

Ion	Ratio	Lower	Upper
57	100		
41	89.8	72.1	108.1
43	236.0	192.1	288.1
56	52.8	42.5	63.7

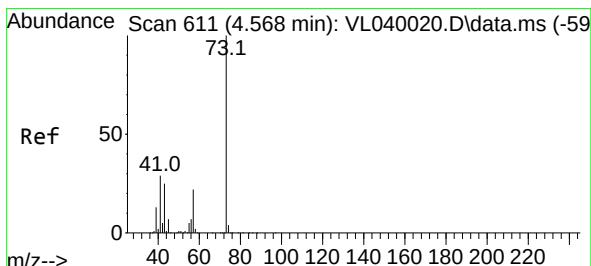
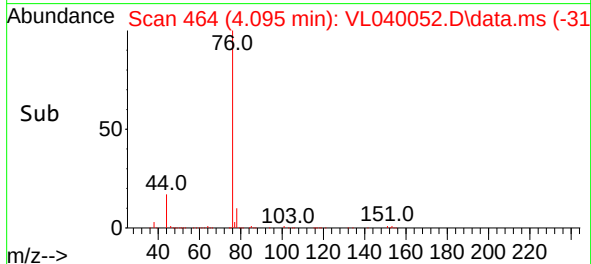
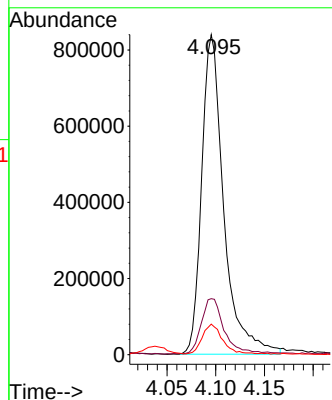
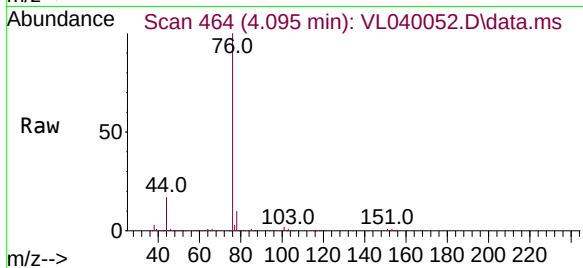




#27
Carbon Disulfide
Concen: 10.623 ppbv
RT: 4.095 min Scan# 407
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

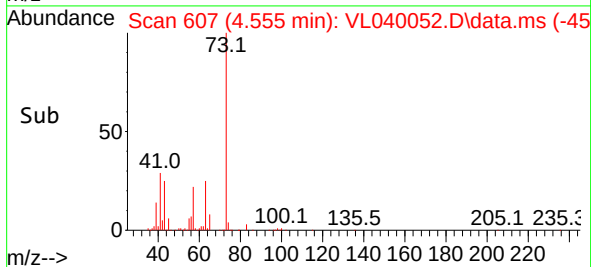
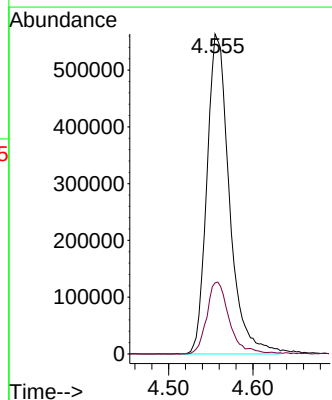
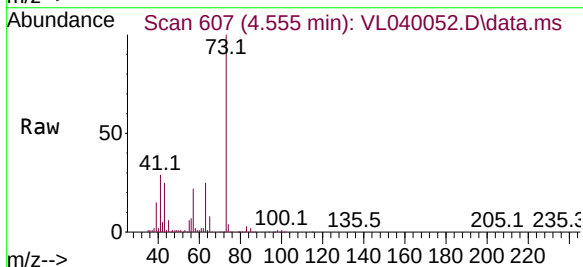
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

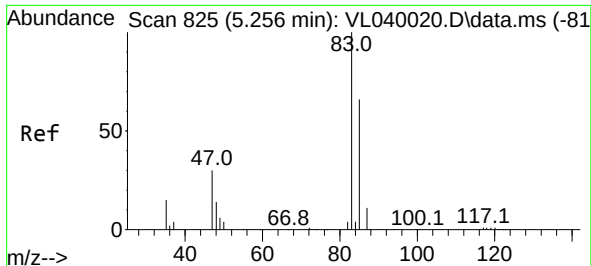
Tgt Ion: 76 Resp: 1323767
Ion Ratio Lower Upper
76 100
44 17.8 15.3 22.9
78 9.5 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 8.976 ppbv
RT: 4.555 min Scan# 607
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 73 Resp: 1045133
Ion Ratio Lower Upper
73 100
57 22.8 18.6 28.0





#29

Chloroform

Concen: 10.518 ppbv

RT: 5.246 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

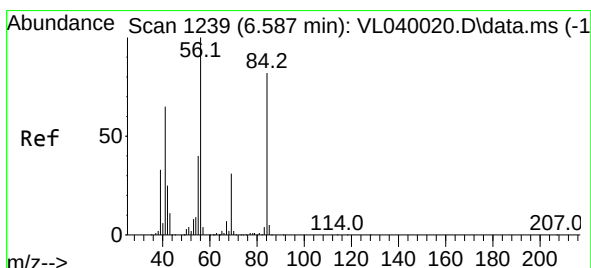
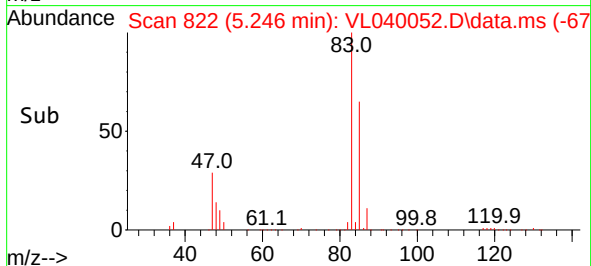
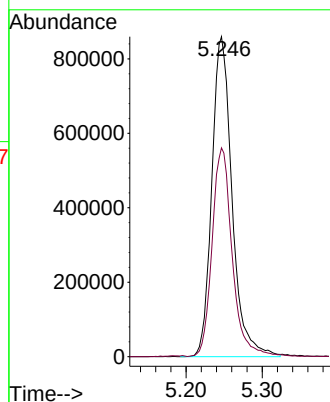
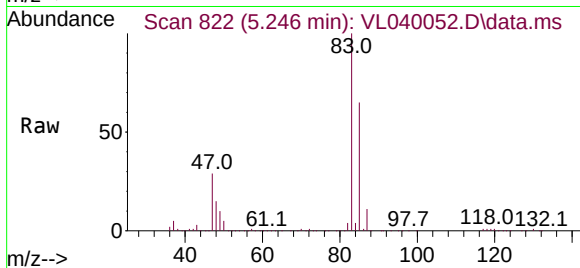
VL1220ABS01

Tgt Ion: 83 Resp: 1585764

Ion Ratio Lower Upper

83 100

85 65.0 52.4 78.6



#30

Cyclohexane

Concen: 9.372 ppbv

RT: 6.571 min Scan# 1234

Delta R.T. -0.016 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

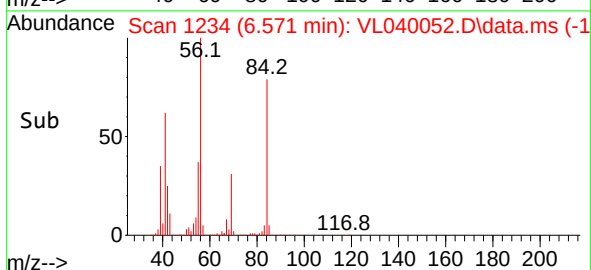
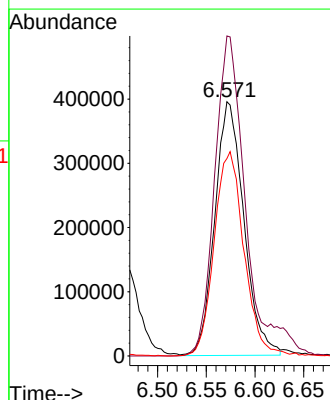
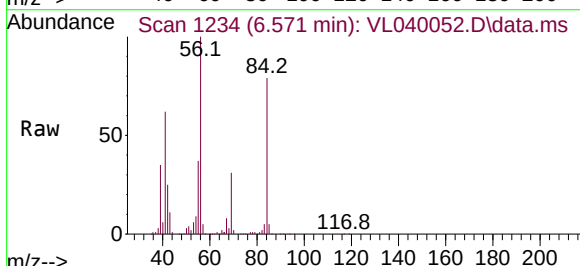
Tgt Ion: 84 Resp: 820012

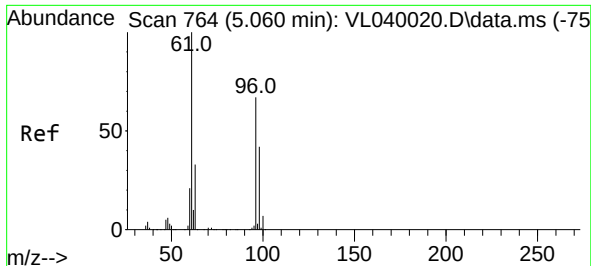
Ion Ratio Lower Upper

84 100

56 134.9 110.2 165.4

41 82.9 67.8 101.8

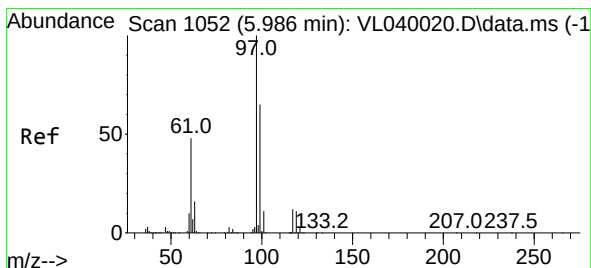
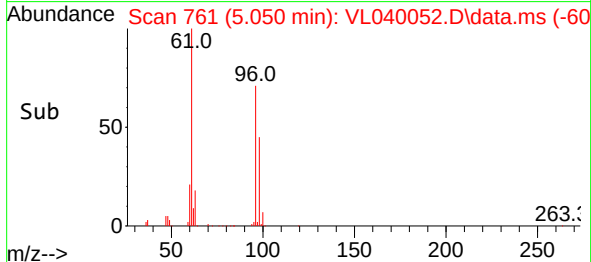
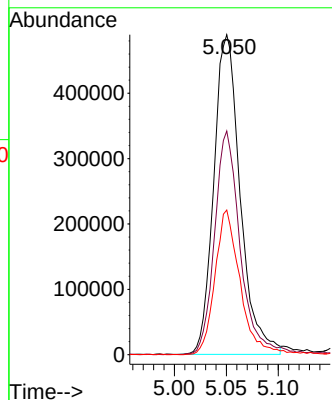
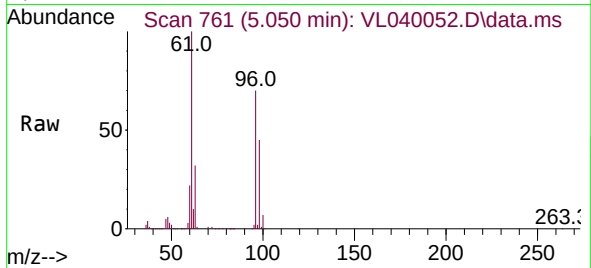




#31
 cis-1,2-Dichloroethene
 Concen: 9.203 ppbv
 RT: 5.050 min Scan# 764
 Delta R.T. -0.010 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

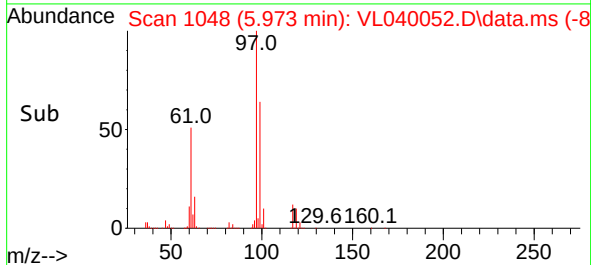
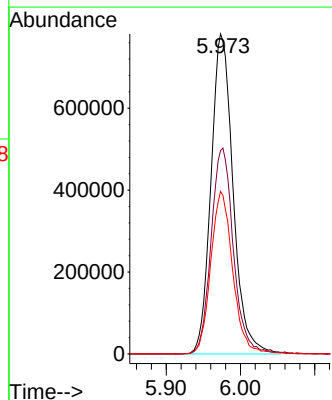
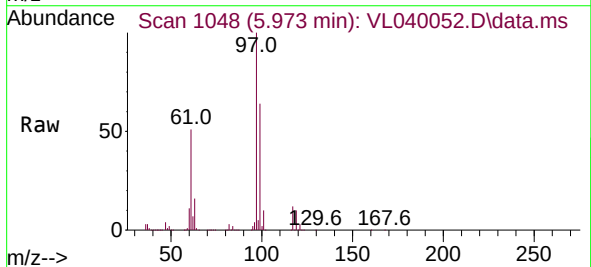
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABS01

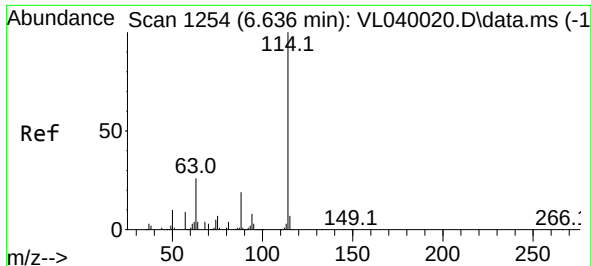
Tgt Ion: 61 Resp: 865856
 Ion Ratio Lower Upper
 61 100
 96 69.9 53.4 80.2
 98 45.2 33.4 50.0



#32
 1,1,1-Trichloroethane
 Concen: 9.993 ppbv
 RT: 5.973 min Scan# 1048
 Delta R.T. -0.013 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Tgt Ion: 97 Resp: 1612902
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.8 77.6
 61 50.6 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.626 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABS01

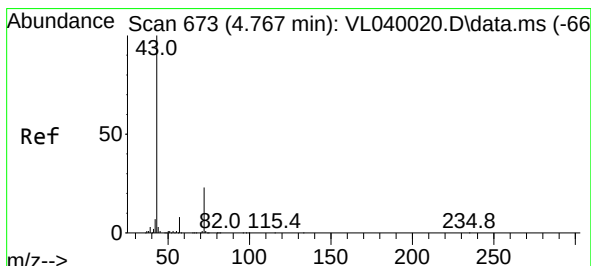
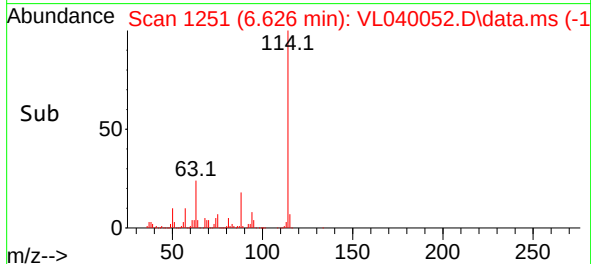
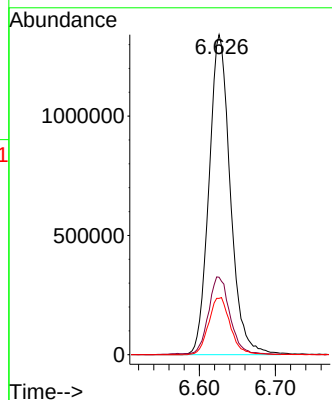
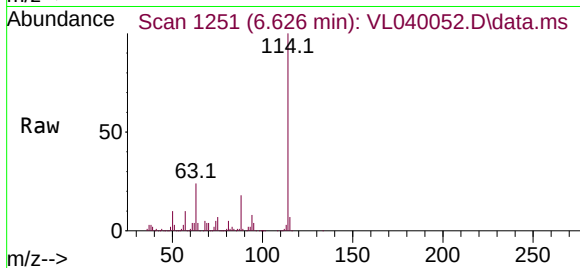
Tgt Ion:114 Resp: 2610303

Ion Ratio Lower Upper

114 100

63 25.2 20.2 30.2

88 18.3 14.6 21.8



#34

2-Butanone

Concen: 8.722 ppbv

RT: 4.758 min Scan# 670

Delta R.T. -0.010 min

Lab File: VL040052.D

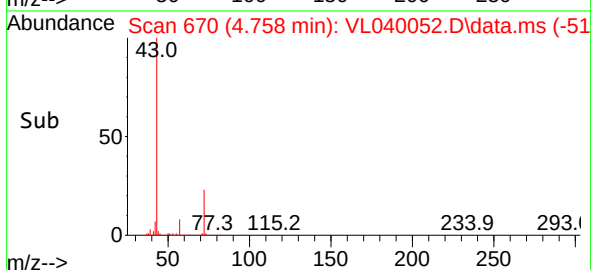
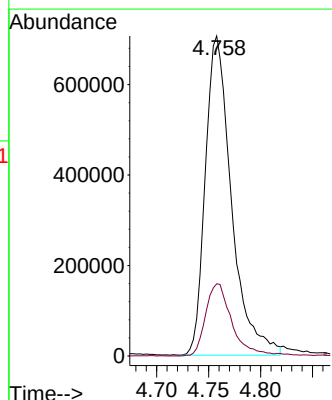
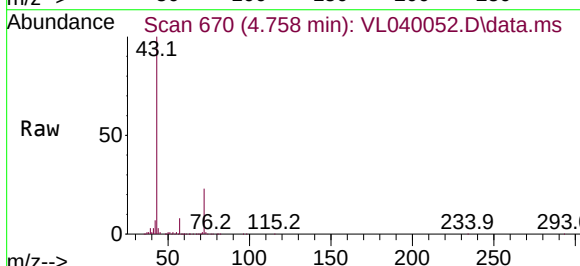
Acq: 20 Dec 2022 12:03

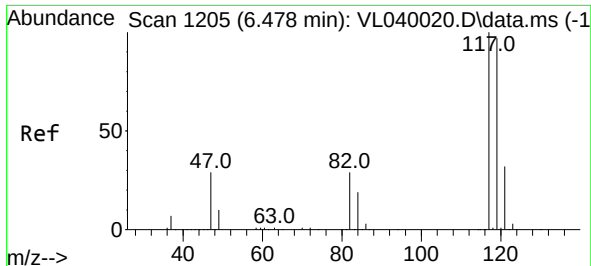
Tgt Ion: 43 Resp: 1235082

Ion Ratio Lower Upper

43 100

72 23.3 18.0 27.0

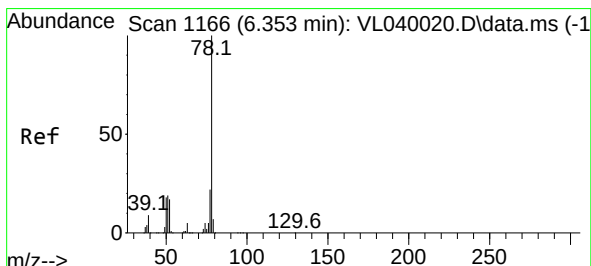
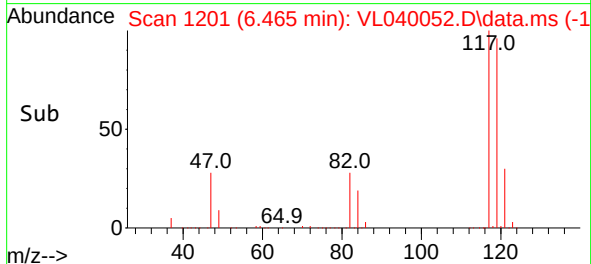
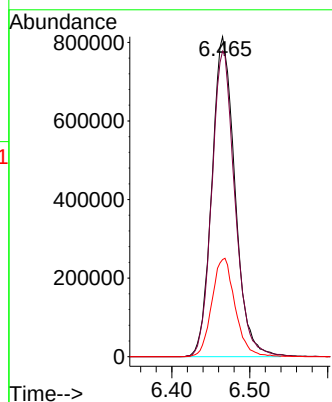
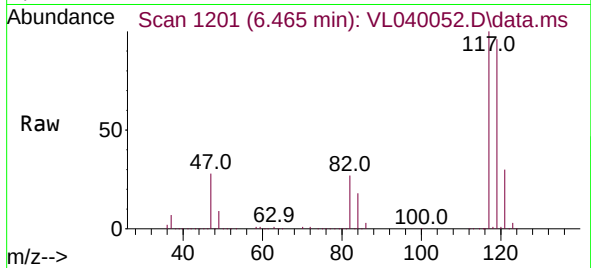




#35
Carbon Tetrachloride
Concen: 10.345 ppbv
RT: 6.465 min Scan# 117
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

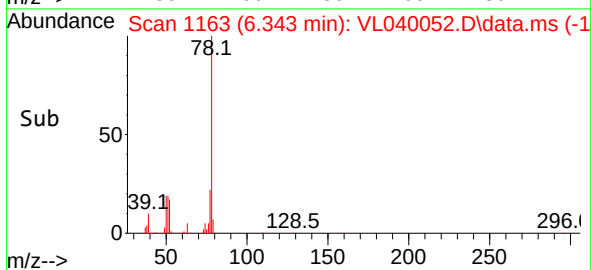
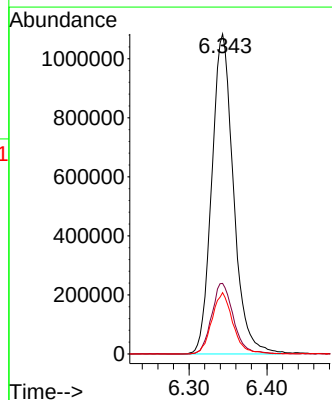
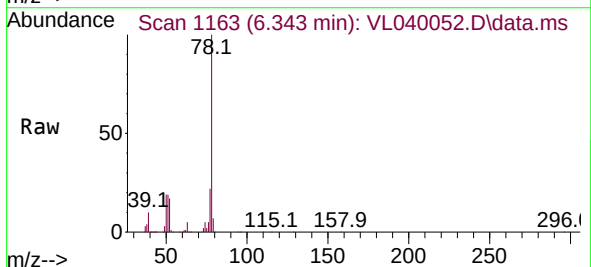
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

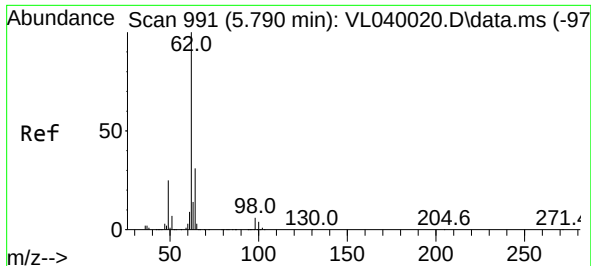
Tgt Ion:117 Resp: 1677323
Ion Ratio Lower Upper
117 100
119 95.5 77.3 115.9
121 30.4 25.4 38.0



#36
Benzene
Concen: 8.995 ppbv
RT: 6.343 min Scan# 1163
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 78 Resp: 2097086
Ion Ratio Lower Upper
78 100
77 22.0 17.5 26.3
50 19.2 14.2 21.2





#37

1,2-Dichloroethane

Concen: 9.181 ppbv

RT: 5.777 min Scan# 91

Delta R.T. -0.013 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

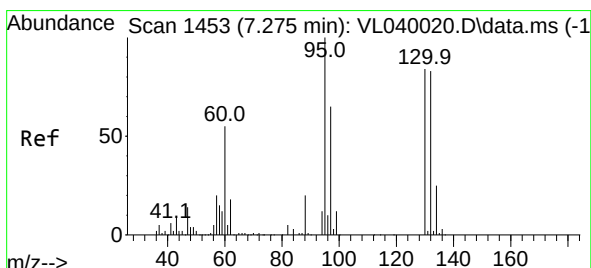
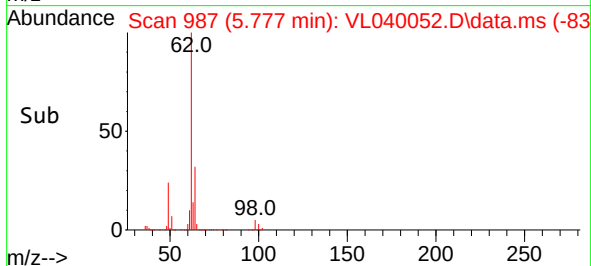
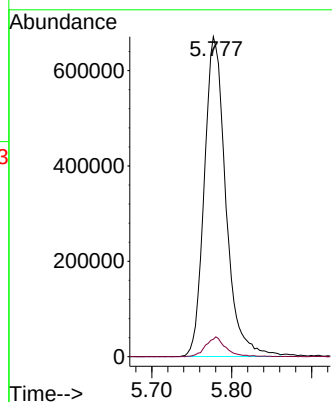
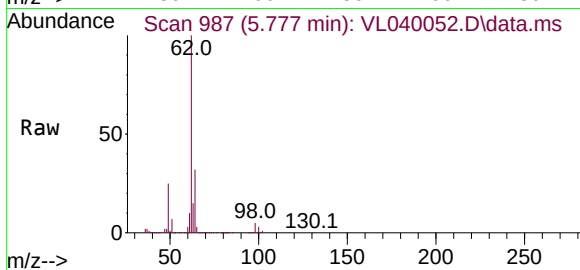
VL1220ABS01

Tgt Ion: 62 Resp: 1255647

Ion Ratio Lower Upper

62 100

98 5.9 5.1 7.7



#38

Trichloroethene

Concen: 10.355 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Tgt Ion:130 Resp: 1240550

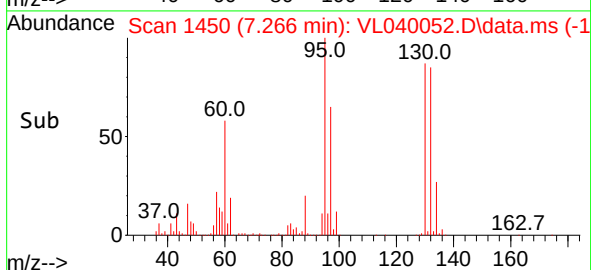
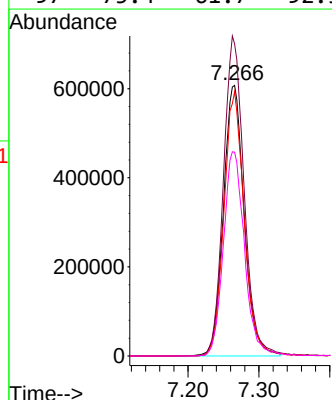
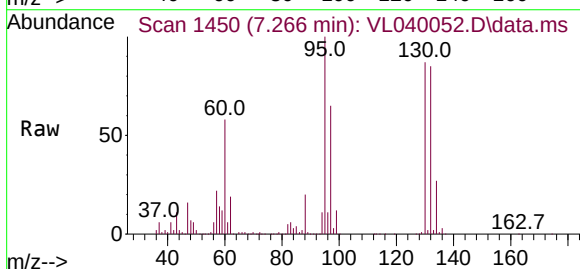
Ion Ratio Lower Upper

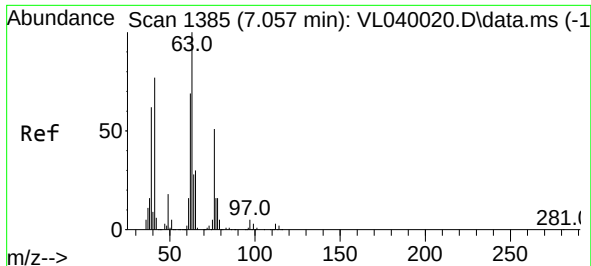
130 100

95 115.3 94.8 142.2

132 97.7 78.2 117.4

97 75.4 61.7 92.5





#39

1,2-Dichloropropane

Concen: 8.970 ppbv

RT: 7.044 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABS01

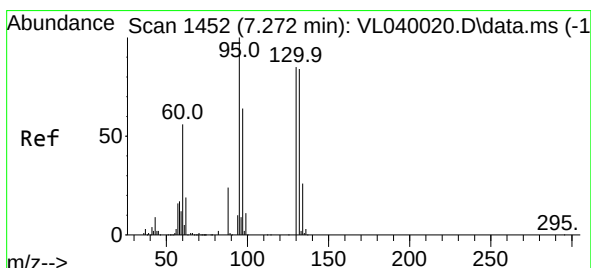
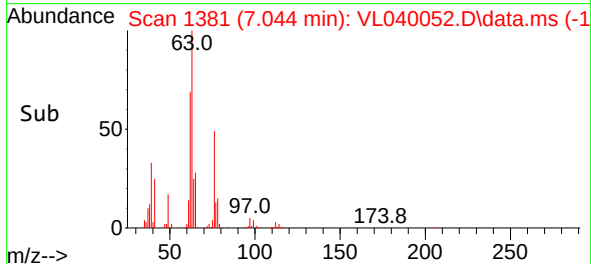
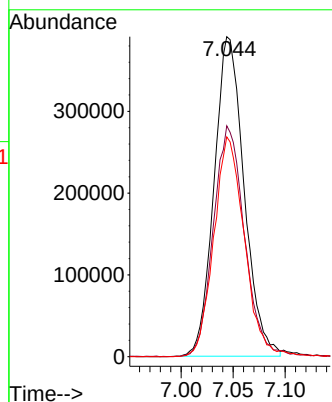
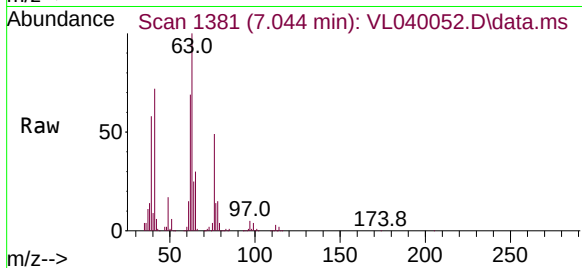
Tgt Ion: 63 Resp: 783850

Ion Ratio Lower Upper

63 100

41 72.2 61.4 92.0

62 68.7 55.4 83.2



#40

1,4-Dioxane

Concen: 8.532 ppbv

RT: 7.262 min Scan# 1449

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Tgt Ion: 88 Resp: 336015

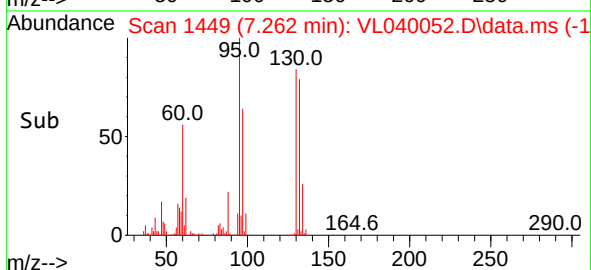
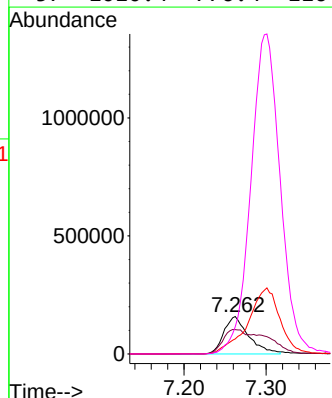
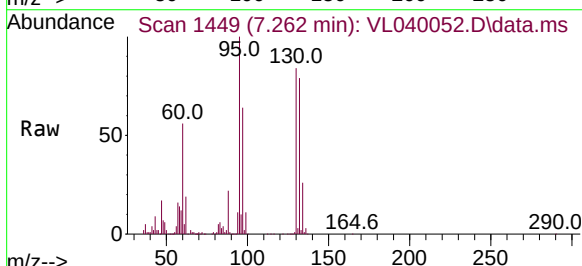
Ion Ratio Lower Upper

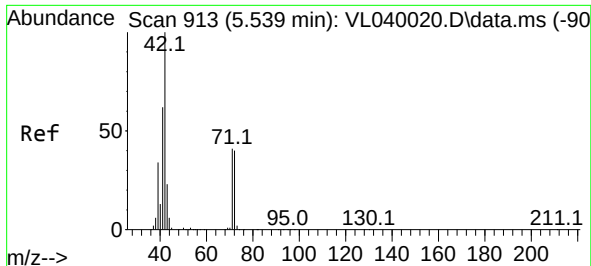
88 100

58 116.3 92.7 139.1

43 227.6 174.6 261.8

57 1010.4 776.4 1164.6





#41

Tetrahydrofuran

Concen: 8.994 ppbv

RT: 5.529 min Scan# 91

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABS01

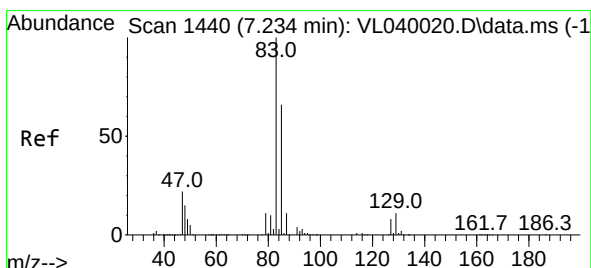
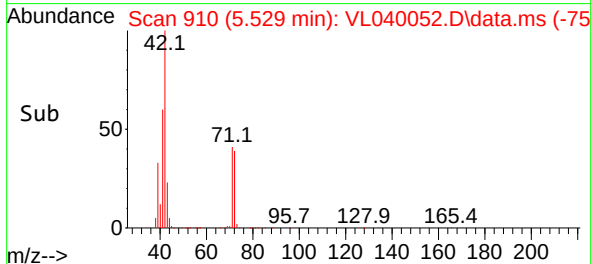
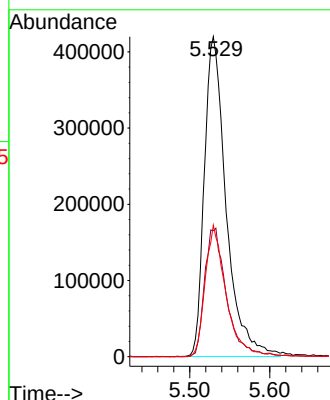
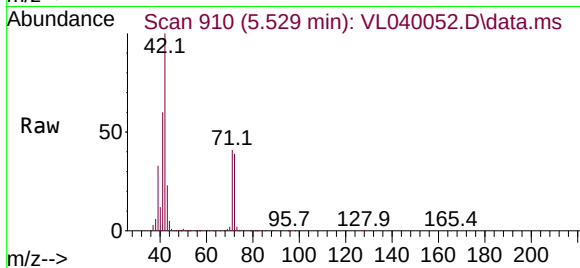
Tgt Ion: 42 Resp: 794993

Ion Ratio Lower Upper

42 100

72 40.9 32.9 49.3

71 39.9 32.2 48.2



#42

Bromodichloromethane

Concen: 9.480 ppbv

RT: 7.221 min Scan# 1436

Delta R.T. -0.013 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

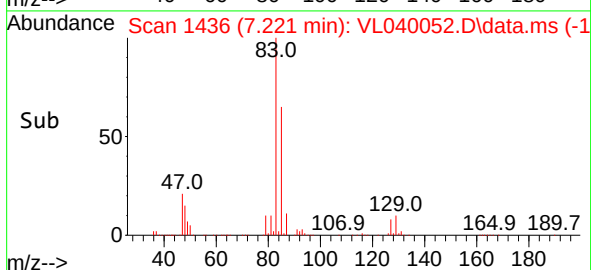
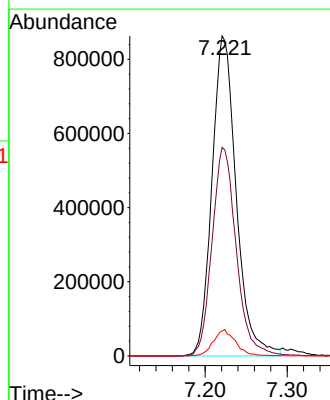
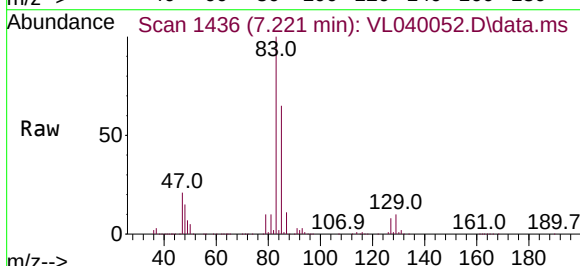
Tgt Ion: 83 Resp: 1776177

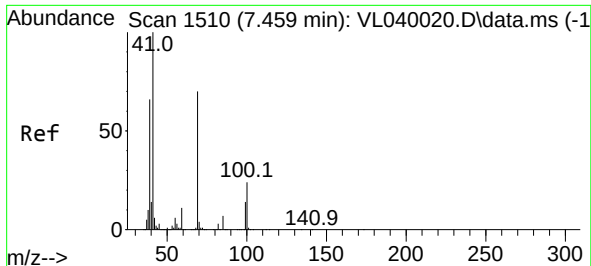
Ion Ratio Lower Upper

83 100

85 65.1 53.0 79.6

127 7.8 6.2 9.2

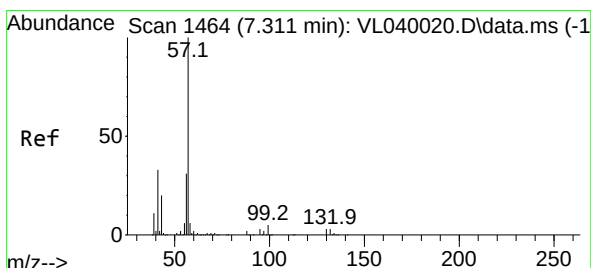
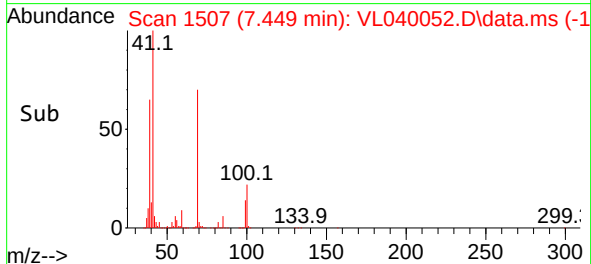
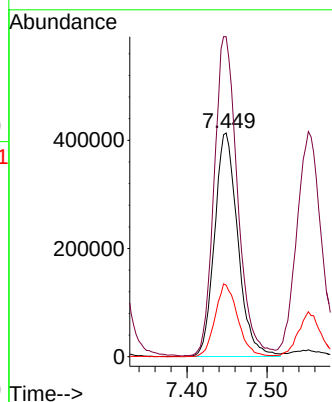
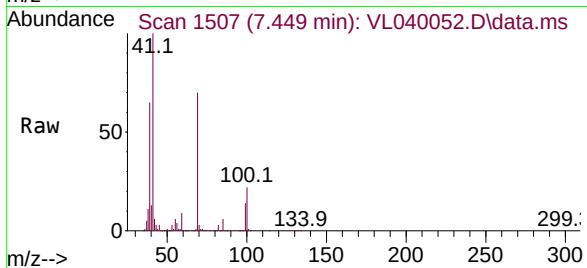




#43
Methyl Methacrylate
Concen: 9.532 ppbv
RT: 7.449 min Scan# 1510
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

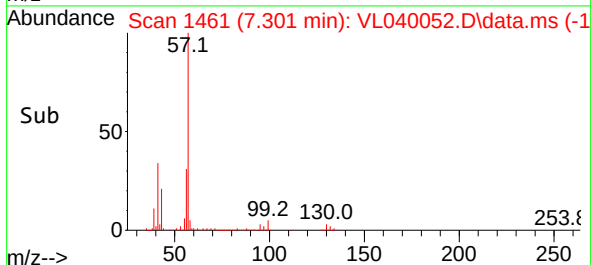
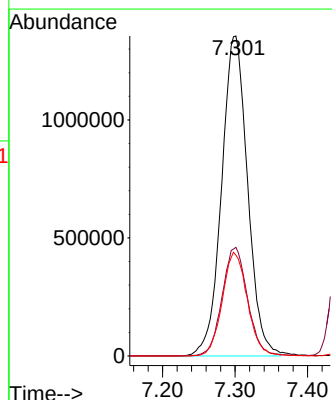
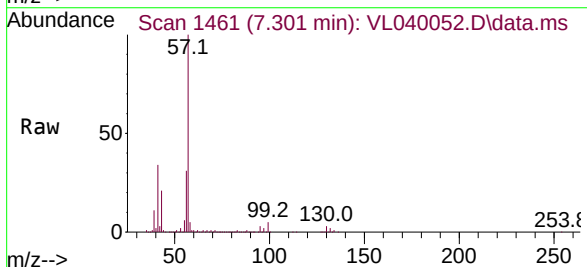
Instrument :
MSVOA_1
ClientSampleId :
VL1220ABS01

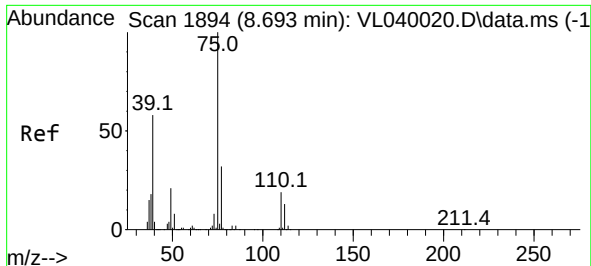
Tgt Ion: 69 Resp: 834000
Ion Ratio Lower Upper
69 100
41 143.7 115.7 173.5
100 31.8 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 8.800 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 57 Resp: 3377452
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.4
56 31.3 25.1 37.7

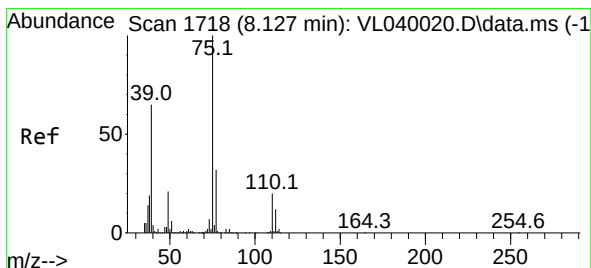
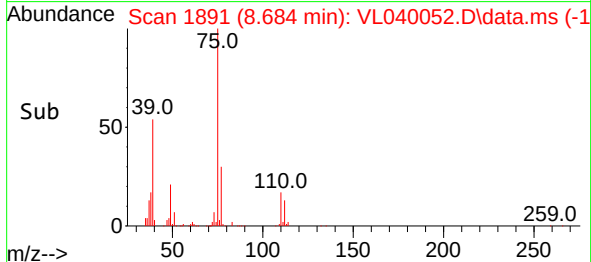
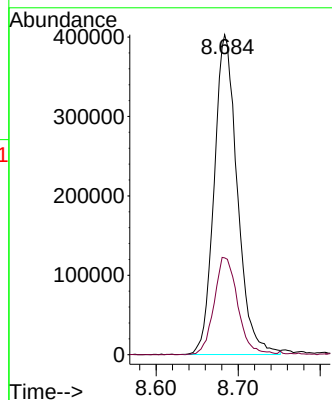
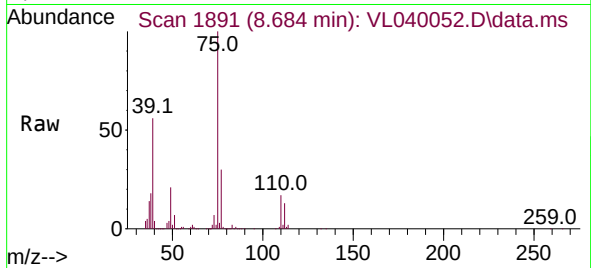




#45
 t-1,3-Dichloropropene
 Concen: 10.689 ppbv
 RT: 8.684 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

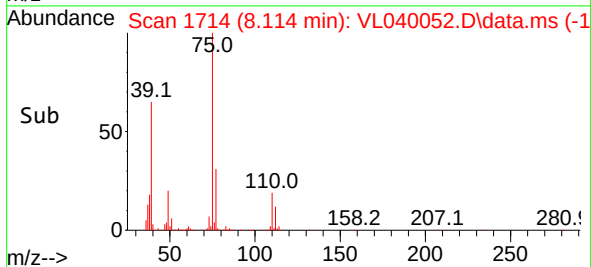
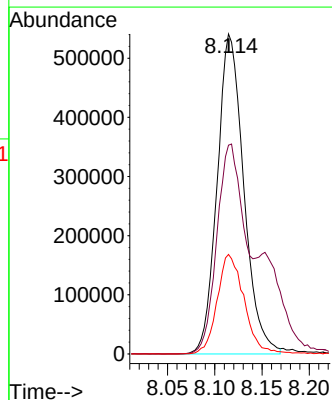
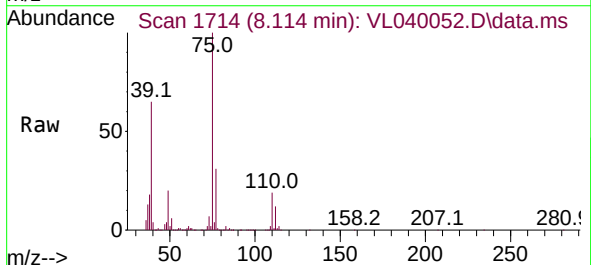
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABS01

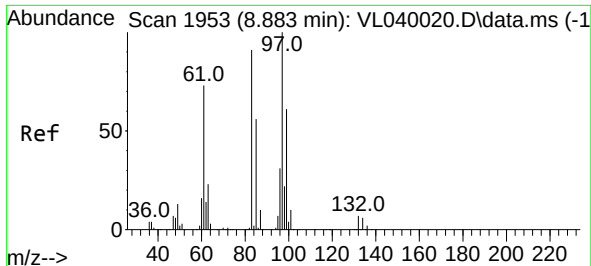
Tgt Ion: 75 Resp: 790390
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 10.150 ppbv
 RT: 8.114 min Scan# 1714
 Delta R.T. -0.013 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Tgt Ion: 75 Resp: 1058557
 Ion Ratio Lower Upper
 75 100
 39 65.2 51.7 77.5
 77 31.1 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 8.876 ppbv

RT: 8.873 min Scan# 1953

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABS01

Tgt Ion: 97 Resp: 849408

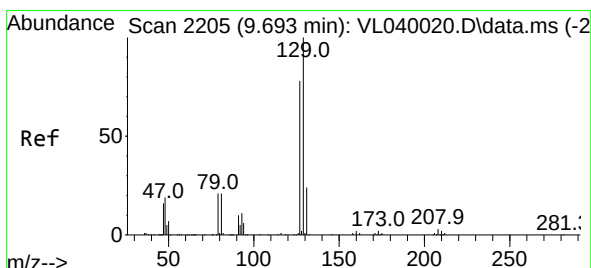
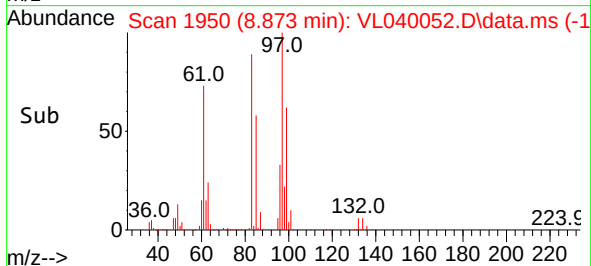
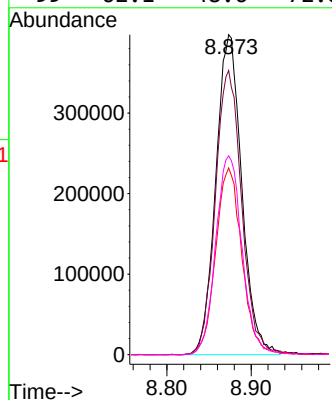
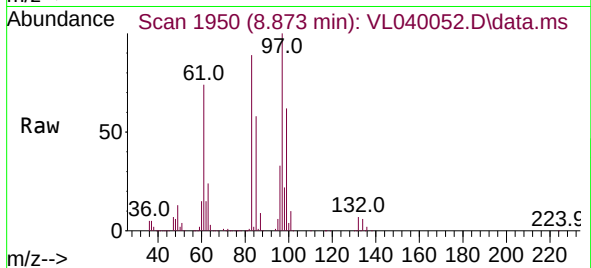
Ion Ratio Lower Upper

97 100

83 88.8 72.5 108.7

85 58.3 45.0 67.6

99 62.1 48.6 72.8



#48

Dibromochloromethane

Concen: 9.650 ppbv

RT: 9.687 min Scan# 2203

Delta R.T. -0.006 min

Lab File: VL040052.D

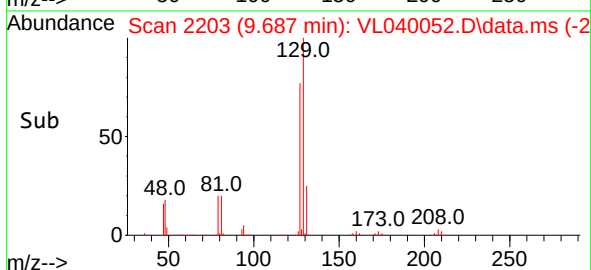
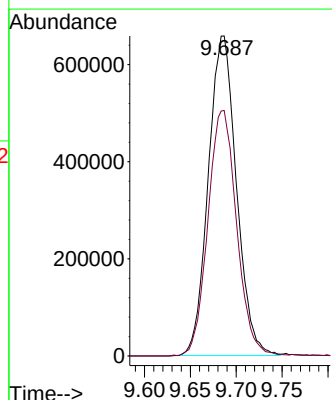
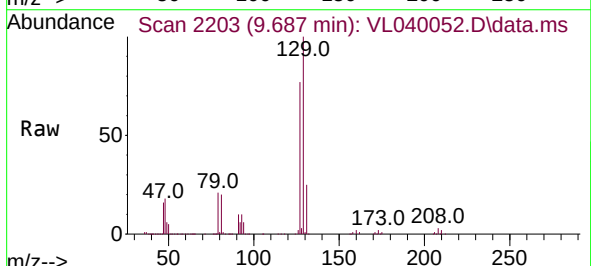
Acq: 20 Dec 2022 12:03

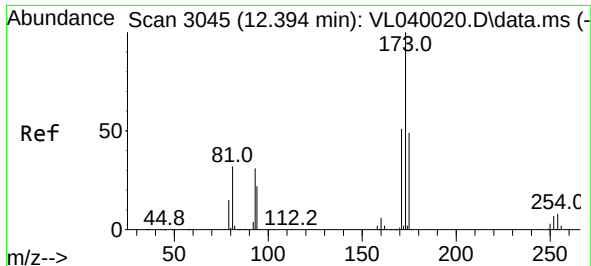
Tgt Ion: 129 Resp: 1404387

Ion Ratio Lower Upper

129 100

127 78.9 39.4 118.1





#49

Bromoform

Concen: 9.337 ppbv

RT: 12.384 min Scan# 3045

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABS01

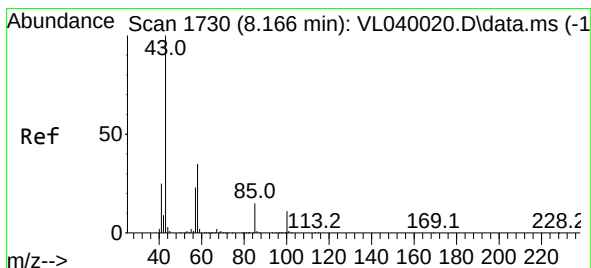
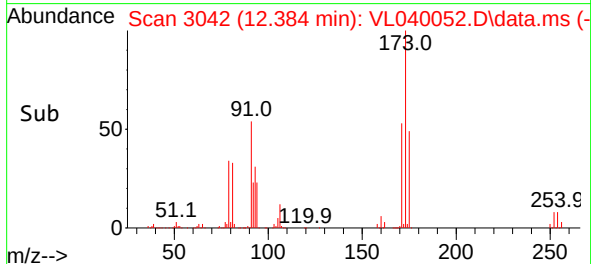
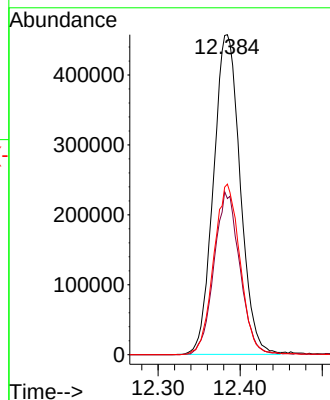
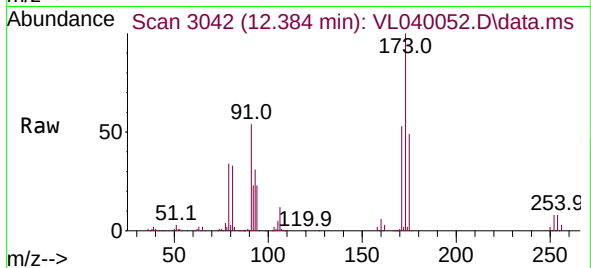
Tgt Ion:173 Resp: 1036606

Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

171 52.9 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 8.985 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. -0.010 min

Lab File: VL040052.D

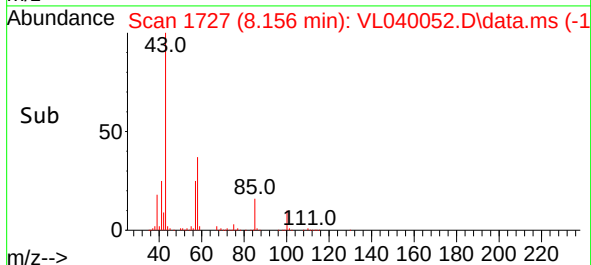
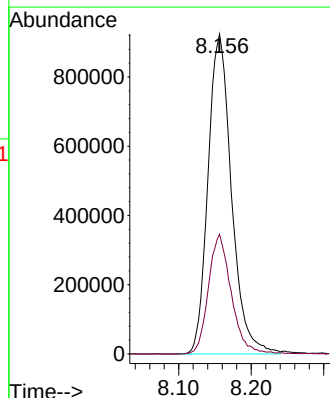
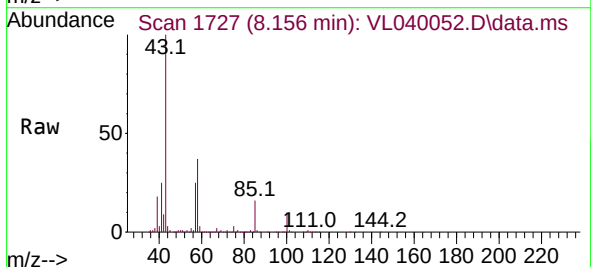
Acq: 20 Dec 2022 12:03

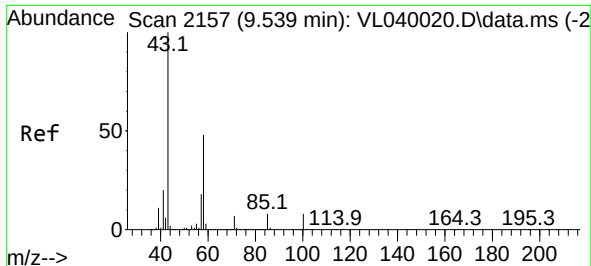
Tgt Ion: 43 Resp: 2078575

Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.4

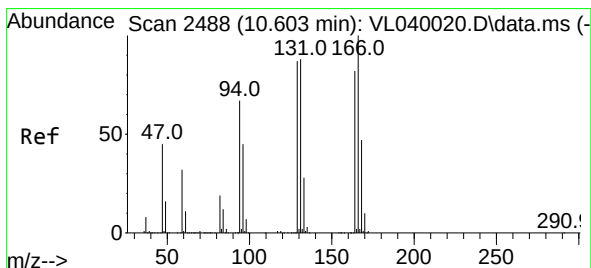
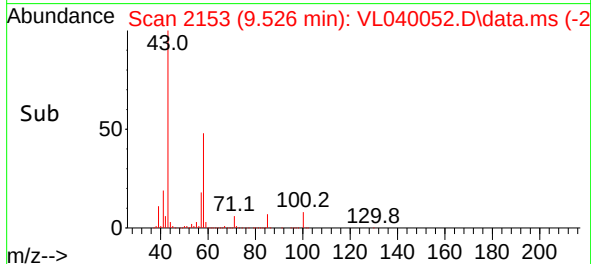
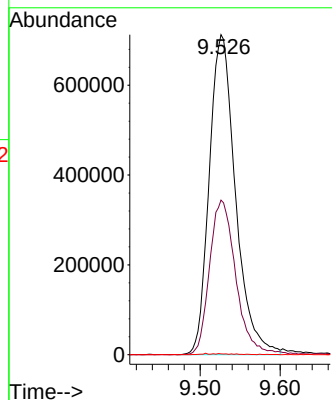
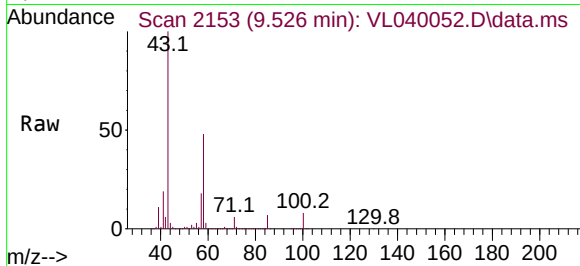




#51
2-Hexanone
Concen: 9.024 ppbv
RT: 9.526 min Scan# 2153
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

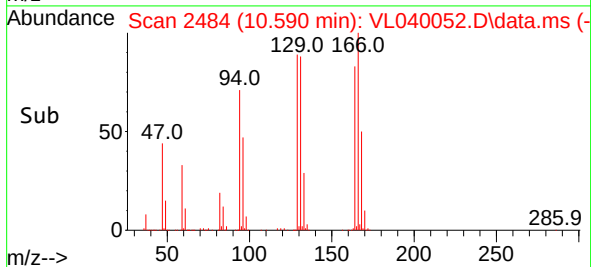
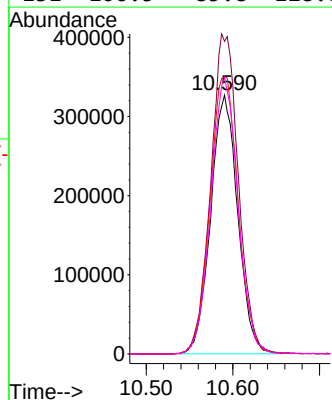
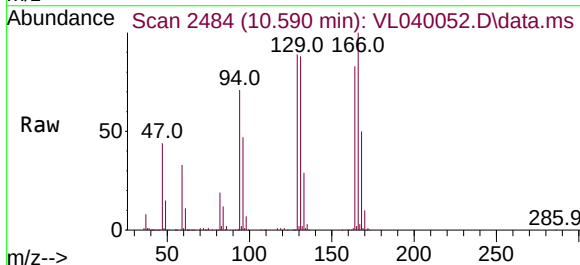
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

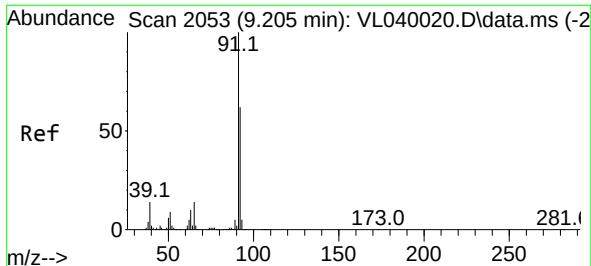
Tgt Ion: 43 Resp: 1623851
Ion Ratio Lower Upper
43 100
58 48.4 39.4 59.2
98 0.4 0.2 0.4#



#52
Tetrachloroethene
Concen: 8.939 ppbv
RT: 10.590 min Scan# 2484
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 164 Resp: 708548
Ion Ratio Lower Upper
164 100
166 120.6 97.4 146.0
129 106.8 84.3 126.5
131 106.5 85.8 128.8

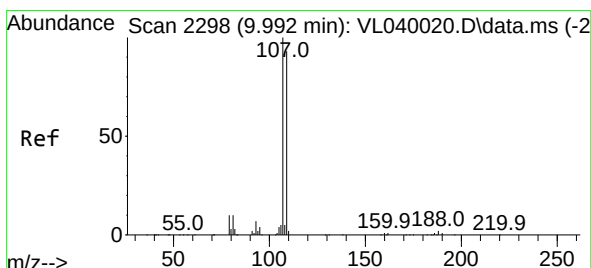
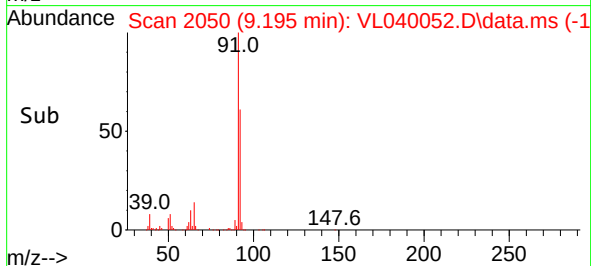
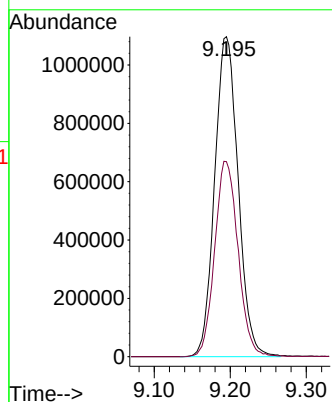
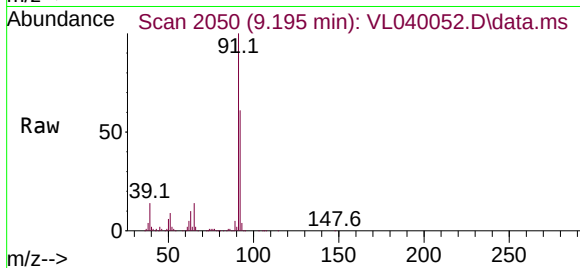




#53
Toluene
Concen: 9.120 ppbv
RT: 9.195 min Scan# 2053
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

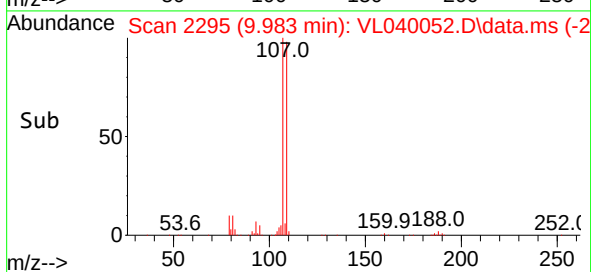
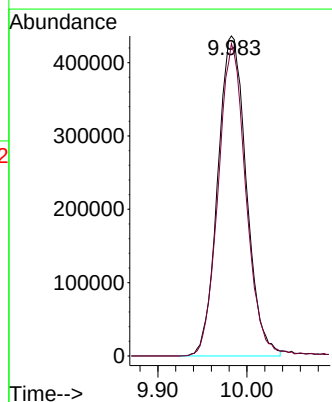
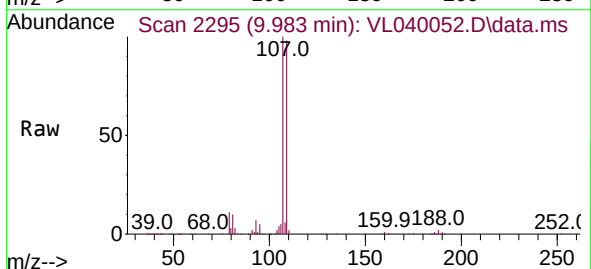
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

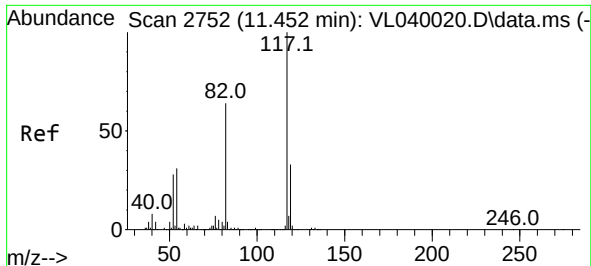
Tgt Ion: 91 Resp: 2353953
Ion Ratio Lower Upper
91 100
92 60.9 48.7 73.1



#54
1,2-Dibromoethane
Concen: 9.438 ppbv
RT: 9.983 min Scan# 2295
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 107 Resp: 972599
Ion Ratio Lower Upper
107 100
109 97.6 74.1 111.1

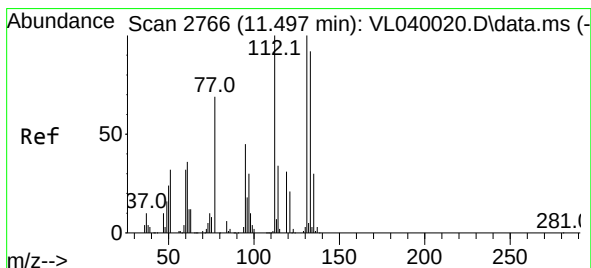
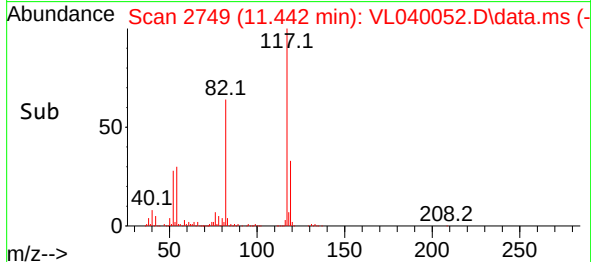
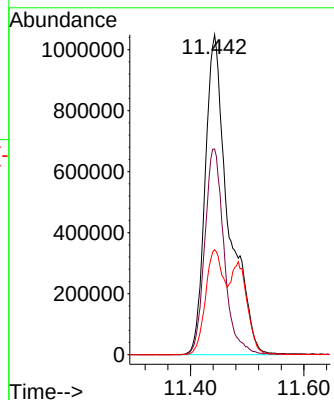
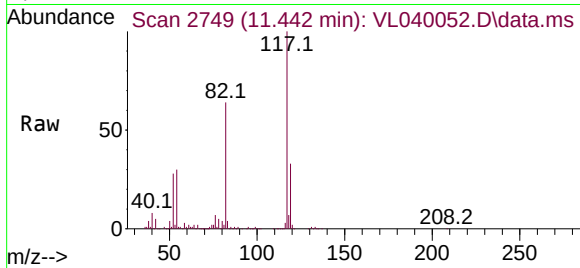




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

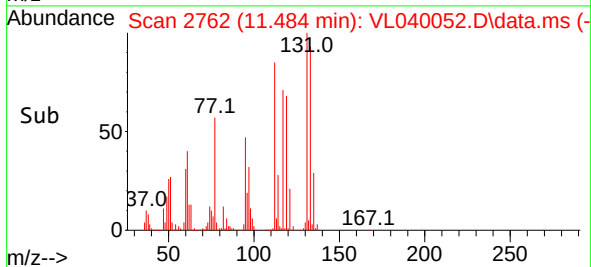
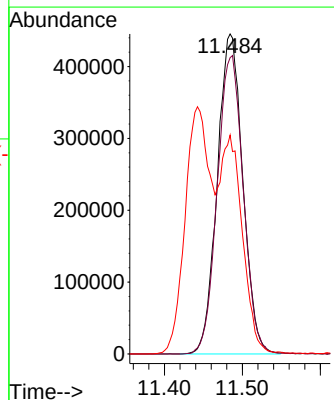
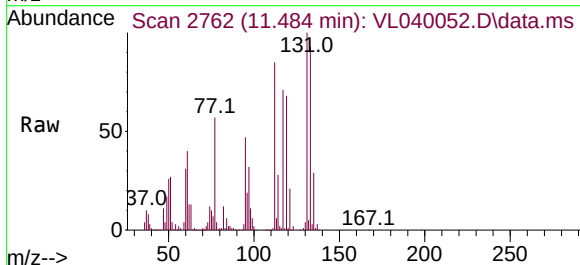
Instrument :
MSVOA_1
ClientSampleId :
VL1220ABS01

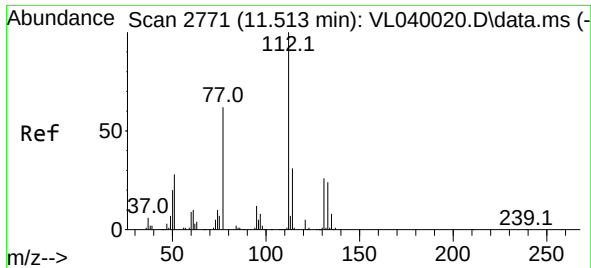
Tgt Ion:117 Resp: 2998899
Ion Ratio Lower Upper
117 100
82 53.8 51.2 76.8
119 27.6 23.2 34.8



#56
1,1,1,2-Tetrachloroethane
Concen: 7.308 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion:131 Resp: 1010933
Ion Ratio Lower Upper
131 100
133 95.3 75.8 113.8
119 66.4 52.3 78.5

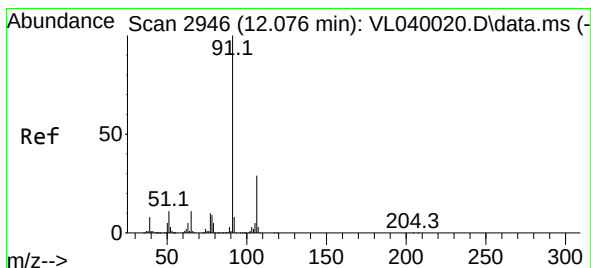
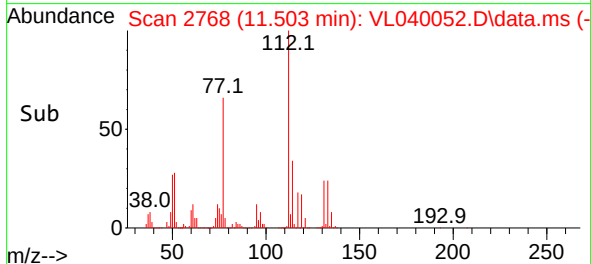
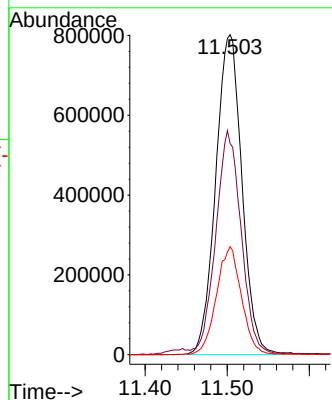
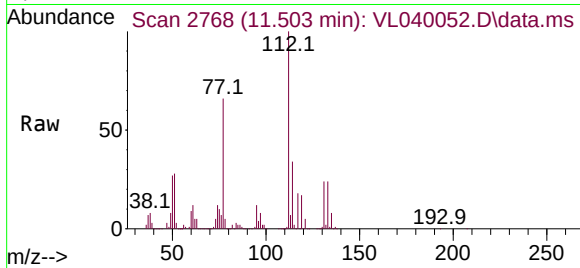




#57
Chlorobenzene
Concen: 7.001 ppbv
RT: 11.503 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

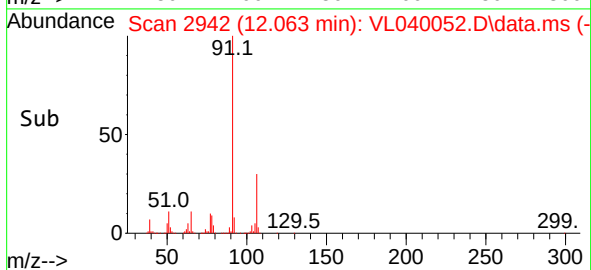
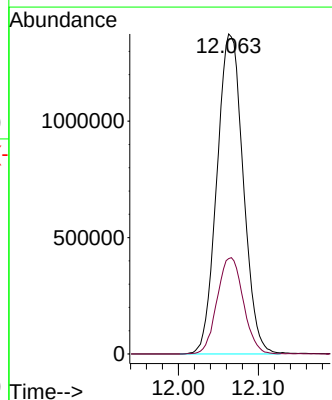
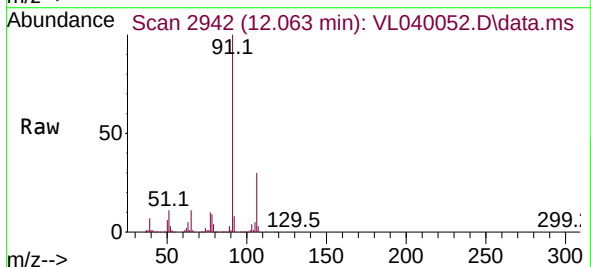
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

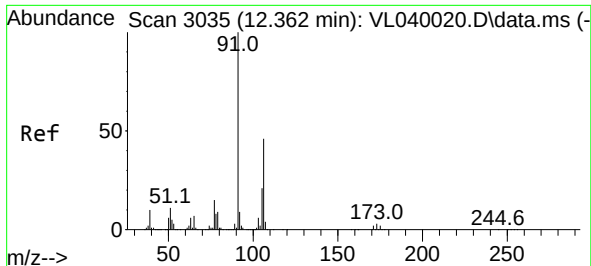
Tgt Ion:112 Resp: 1782204
Ion Ratio Lower Upper
112 100
77 65.6 50.6 75.8
114 33.6 27.8 34.0



#58
Ethyl Benzene
Concen: 7.355 ppbv
RT: 12.063 min Scan# 2942
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 91 Resp: 3133918
Ion Ratio Lower Upper
91 100
106 29.8 23.5 35.3





#59

m/p-Xylene

Concen: 7.864 ppbv

RT: 12.349 min Scan# 3035

Delta R.T. -0.013 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

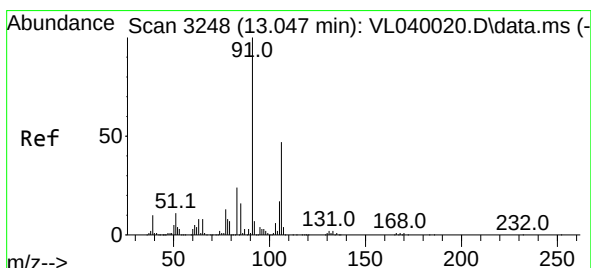
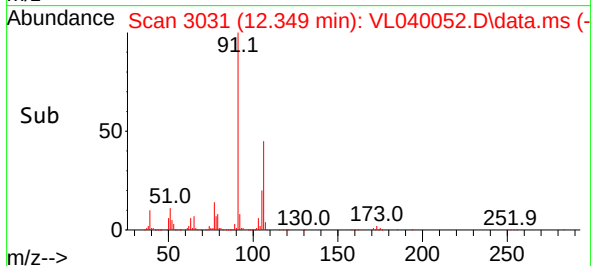
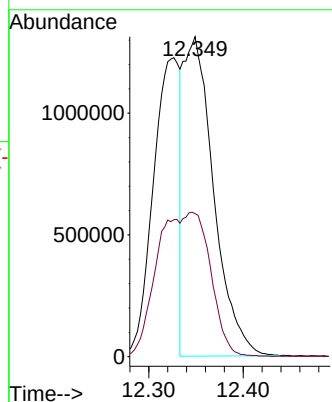
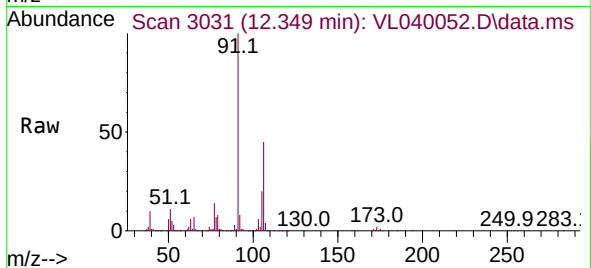
VL1220ABS01

Tgt Ion: 91 Resp: 2918903

Ion Ratio Lower Upper

91 100

106 79.7 35.5 53.3#



#60

o-Xylene

Concen: 7.144 ppbv

RT: 13.034 min Scan# 3244

Delta R.T. -0.013 min

Lab File: VL040052.D

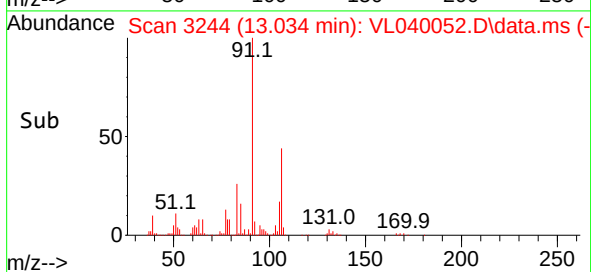
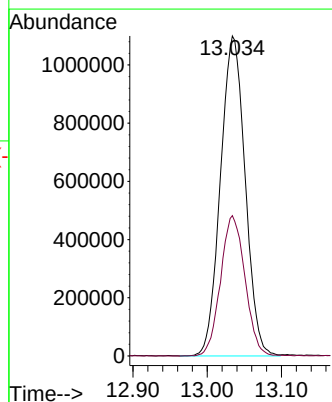
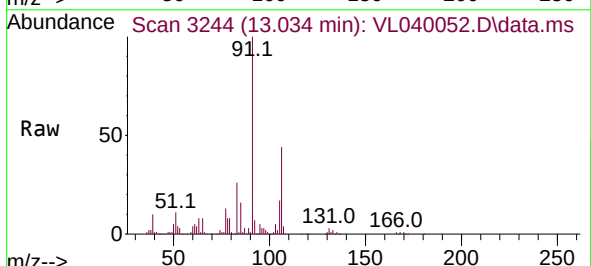
Acq: 20 Dec 2022 12:03

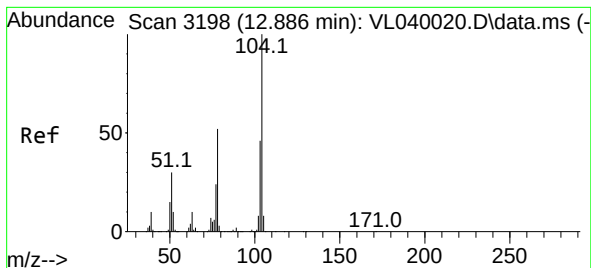
Tgt Ion: 91 Resp: 2540715

Ion Ratio Lower Upper

91 100

106 43.6 22.4 67.0





#61

Styrene

Concen: 7.690 ppbv

RT: 12.873 min Scan# 3198

Delta R.T. -0.013 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABS01

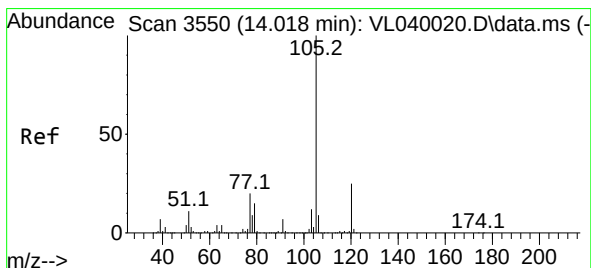
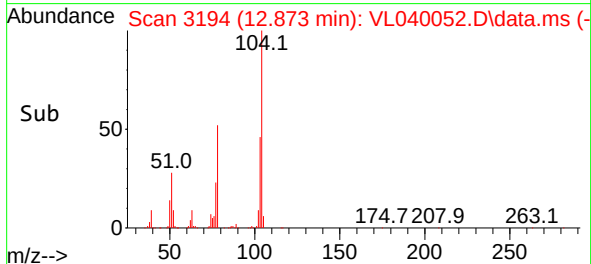
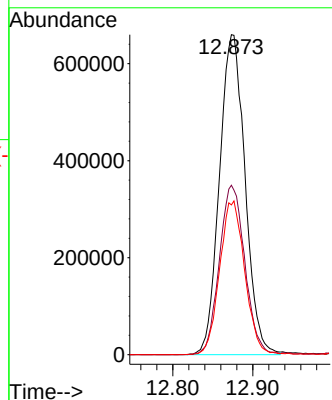
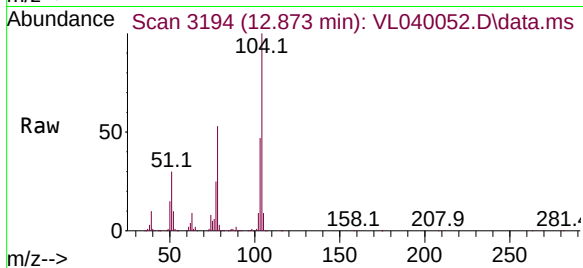
Tgt Ion:104 Resp: 1466840

Ion Ratio Lower Upper

104 100

78 53.0 42.4 63.6

103 47.5 37.2 55.8



#62

Isopropylbenzene

Concen: 6.877 ppbv

RT: 14.005 min Scan# 3546

Delta R.T. -0.013 min

Lab File: VL040052.D

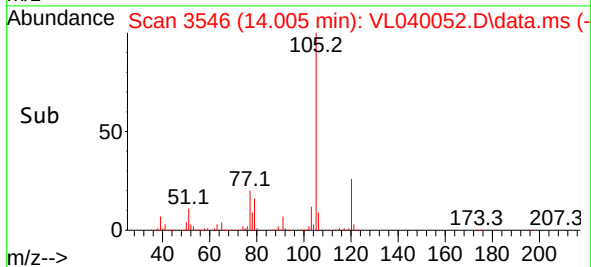
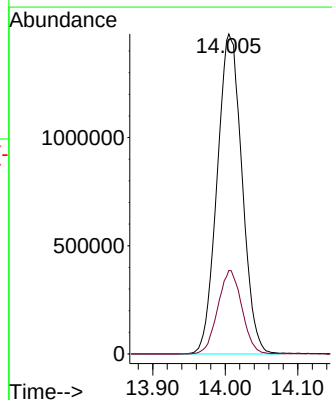
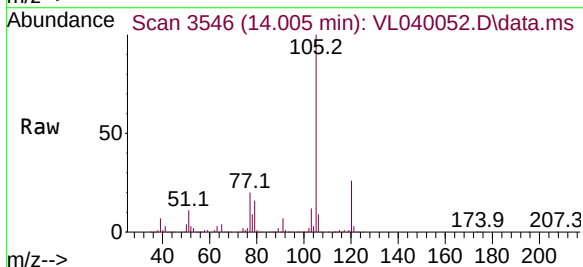
Acq: 20 Dec 2022 12:03

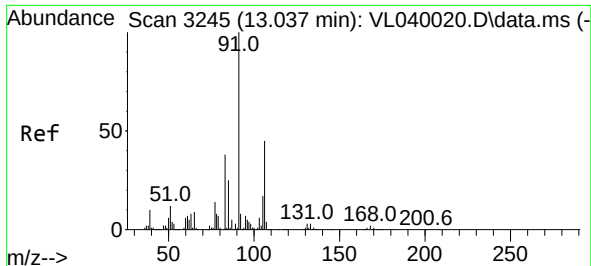
Tgt Ion:105 Resp: 3525723

Ion Ratio Lower Upper

105 100

120 25.3 20.6 31.0

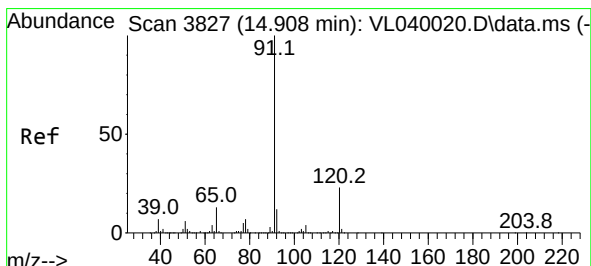
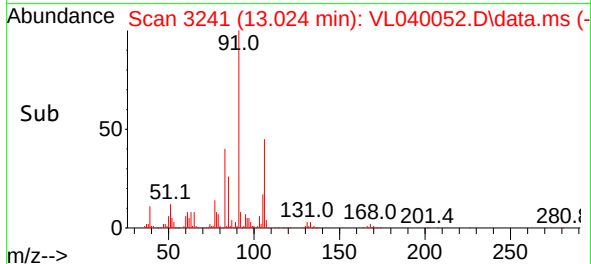
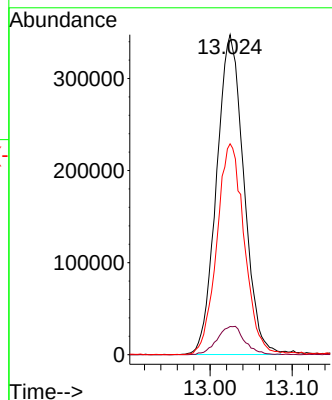
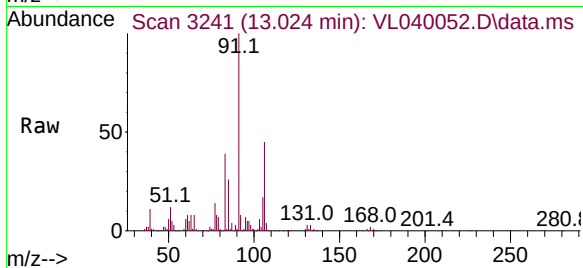




#63
1,1,2,2-Tetrachloroethane
Concen: 6.157 ppbv
RT: 13.024 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

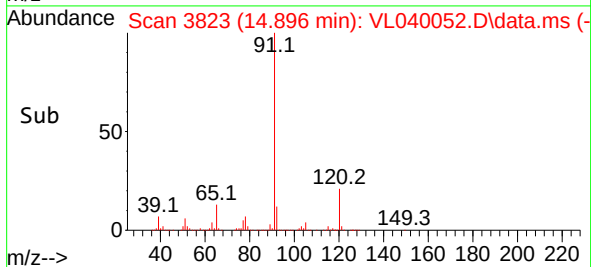
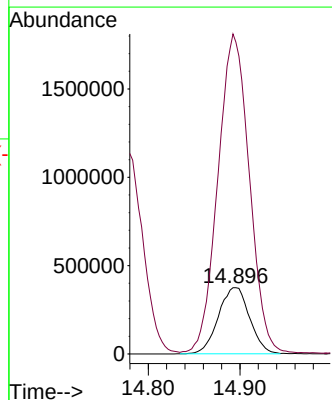
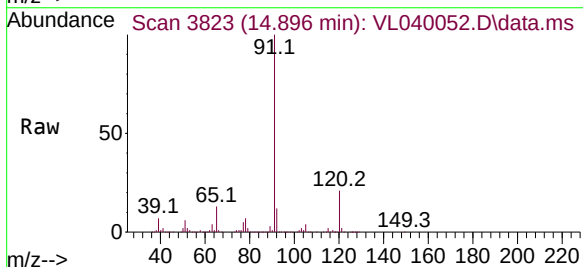
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

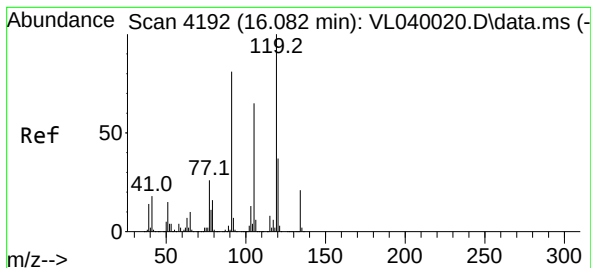
Tgt Ion: 83 Resp: 802753
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 67.3 33.3 99.9



#64
n-propylbenzene
Concen: 6.839 ppbv
RT: 14.896 min Scan# 3823
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 120 Resp: 885725
Ion Ratio Lower Upper
120 100
91 489.6 384.3 576.5

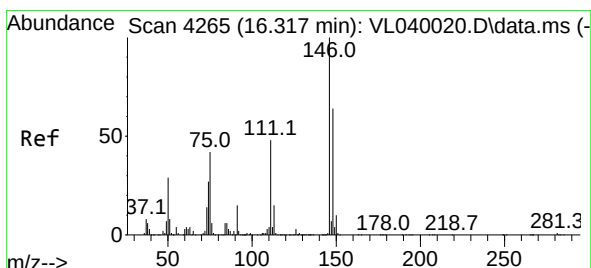
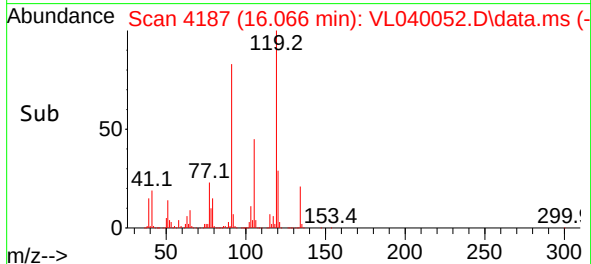
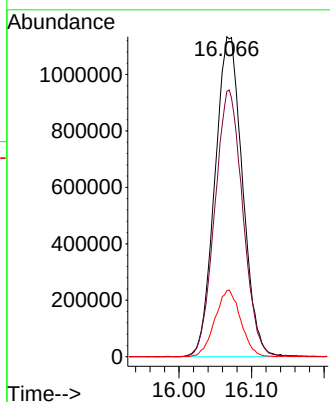
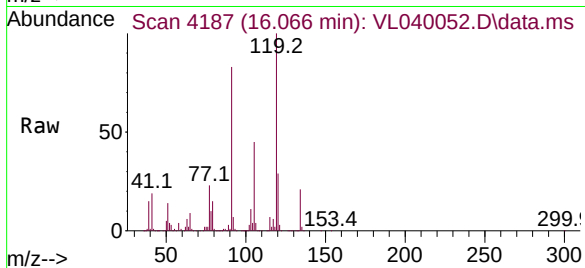




#65
tert-Butylbenzene
Concen: 6.726 ppbv
RT: 16.066 min Scan# 4192
Delta R.T. -0.016 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

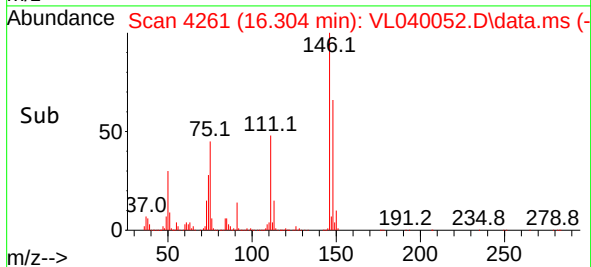
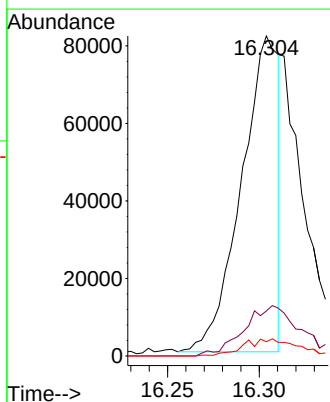
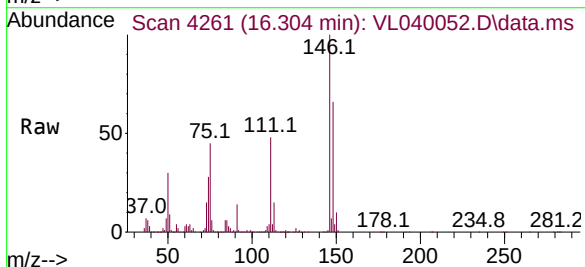
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

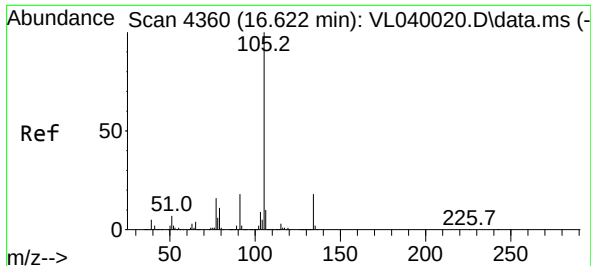
Tgt Ion:119 Resp: 2996764
Ion Ratio Lower Upper
119 100
91 84.5 66.9 100.3
134 19.5 15.8 23.6



#66
Benzyl Chloride
Concen: 4.409 ppbv
RT: 16.304 min Scan# 4261
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 91 Resp: 114554
Ion Ratio Lower Upper
91 100
126 25.6 12.2 18.2#
128 8.1 4.2 6.2#

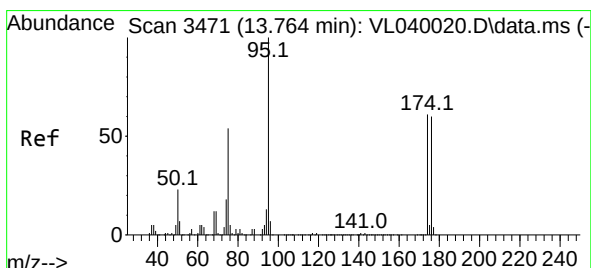
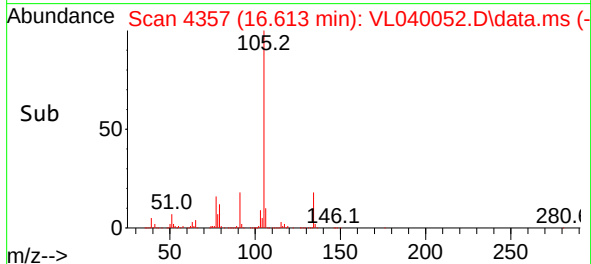
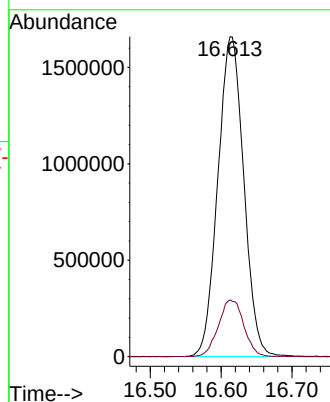
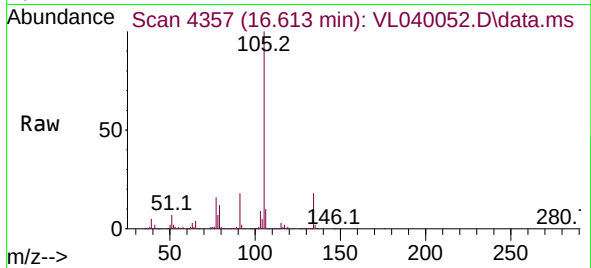




#67
 sec-Butylbenzene
 Concen: 6.745 ppbv
 RT: 16.613 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

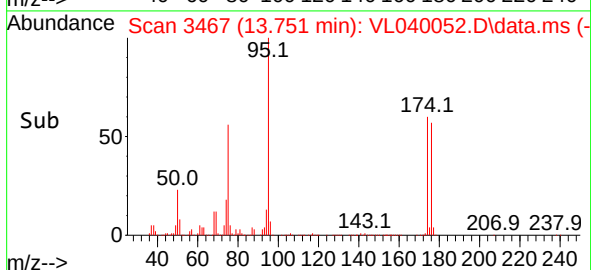
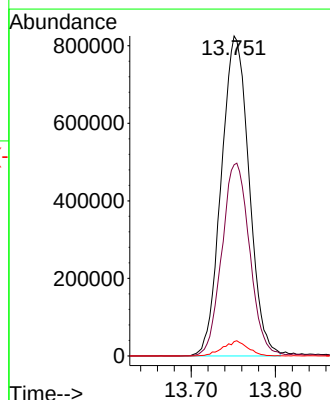
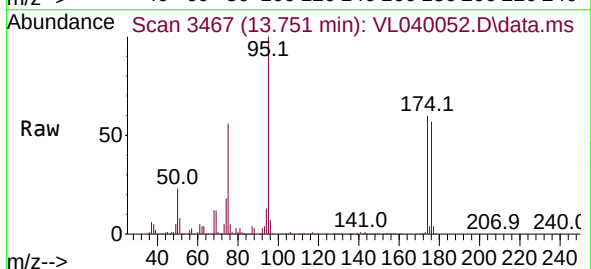
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1220ABS01

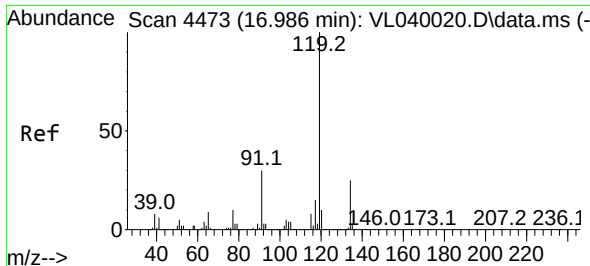
Tgt Ion:105 Resp: 4211561
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.242 ppbv
 RT: 13.751 min Scan# 3467
 Delta R.T. -0.013 min
 Lab File: VL040052.D
 Acq: 20 Dec 2022 12:03

Tgt Ion: 95 Resp: 1888043
 Ion Ratio Lower Upper
 95 100
 174 60.8 48.6 73.0
 175 4.3 3.4 5.2

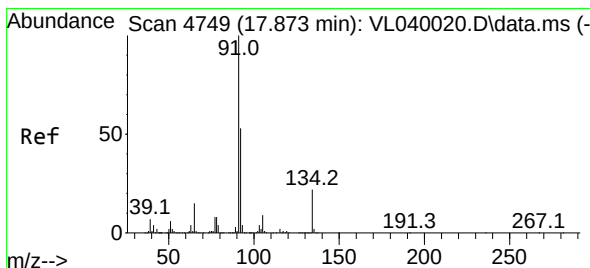
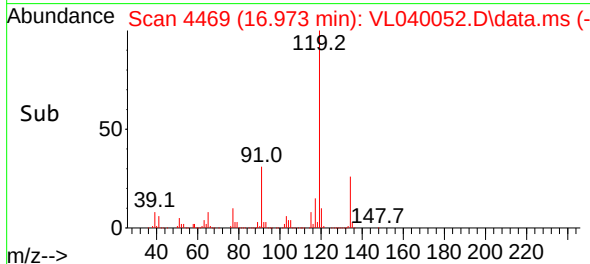
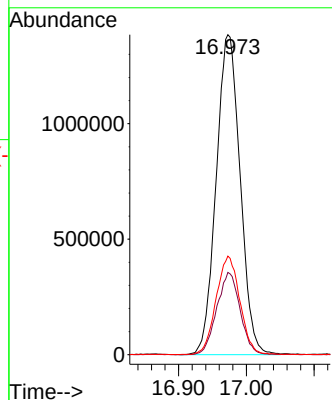
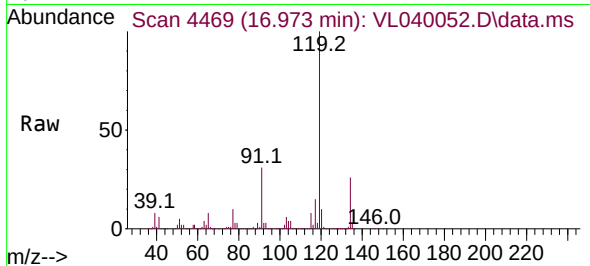




#69
p-Isopropyltoluene
Concen: 6.816 ppbv
RT: 16.973 min Scan# 4469
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

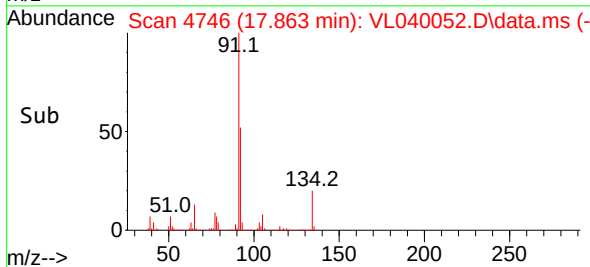
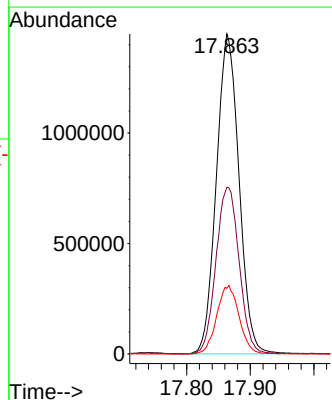
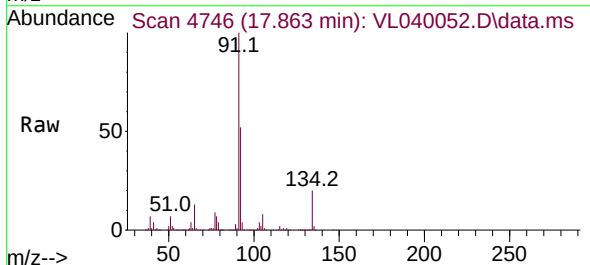
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

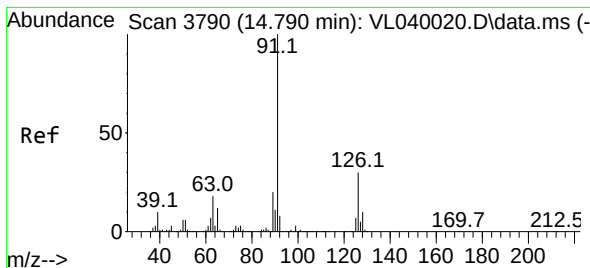
Tgt Ion:119 Resp: 3399422
Ion Ratio Lower Upper
119 100
134 25.1 20.2 30.4
91 30.4 24.2 36.4



#70
n-Butylbenzene
Concen: 6.836 ppbv
RT: 17.863 min Scan# 4746
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 91 Resp: 3572369
Ion Ratio Lower Upper
91 100
92 53.5 43.2 64.8
134 21.2 17.4 26.2

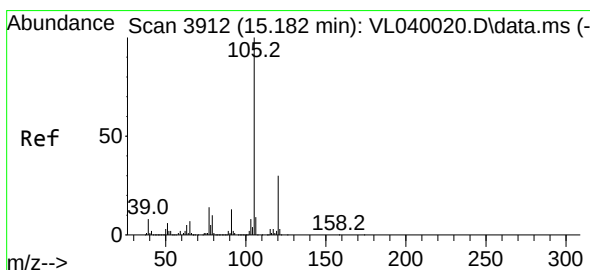
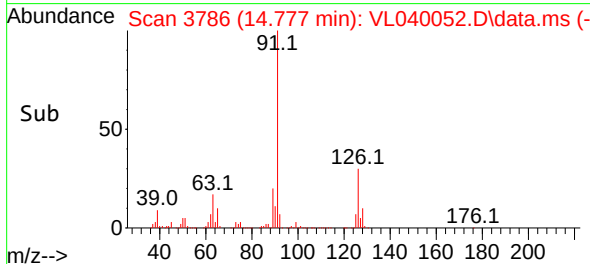
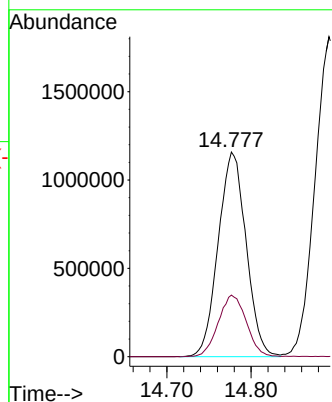
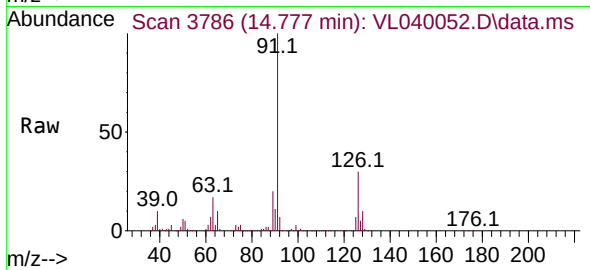




#71
2-Chlorotoluene
Concen: 6.800 ppbv
RT: 14.777 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

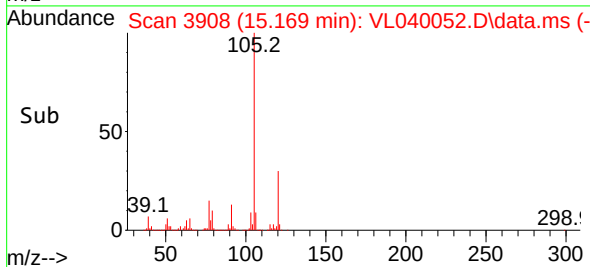
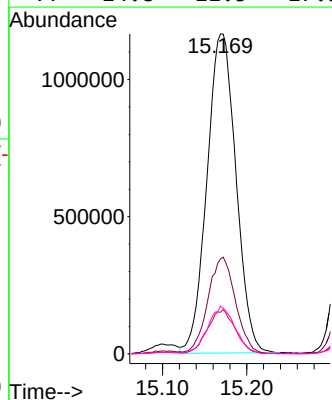
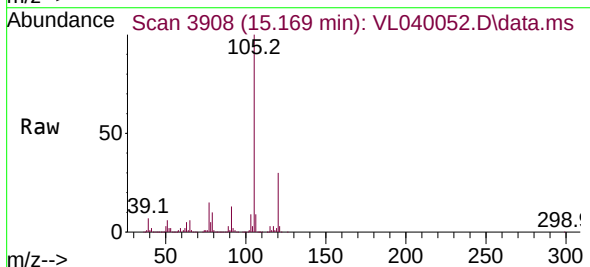
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

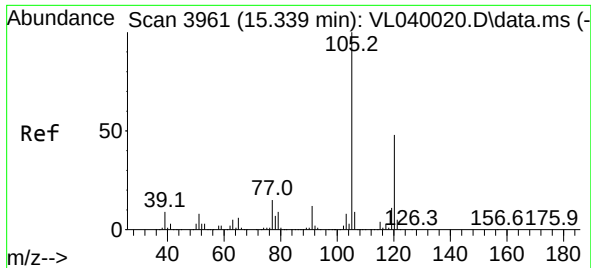
Tgt Ion: 91 Resp: 2659802
Ion Ratio Lower Upper
91 100
126 30.3 12.1 48.5



#72
4-Ethyltoluene
Concen: 7.048 ppbv
RT: 15.169 min Scan# 3908
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion: 105 Resp: 2783008
Ion Ratio Lower Upper
105 100
120 30.0 23.5 35.3
91 14.1 10.5 15.7
77 14.8 11.5 17.3

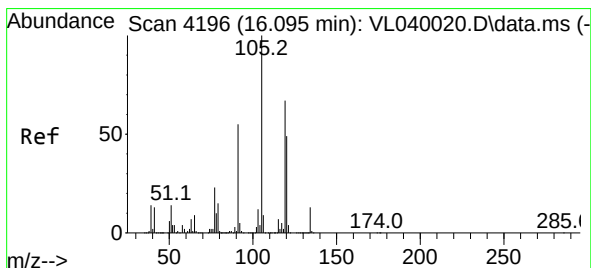
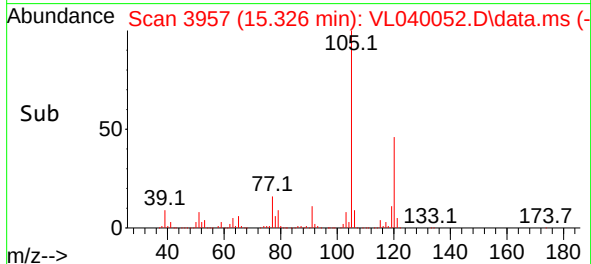
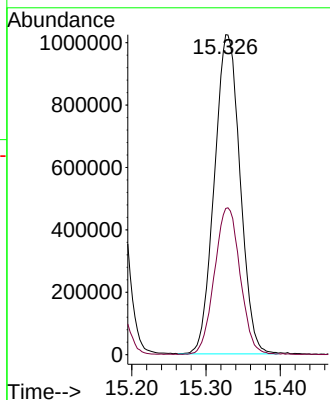
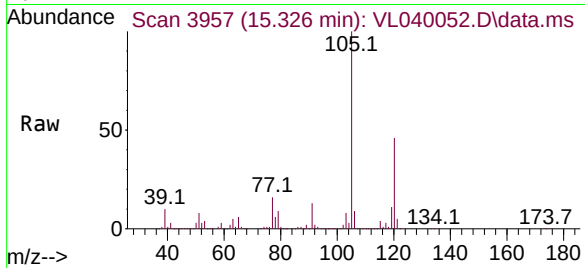




#73
1,3,5-Trimethylbenzene
Concen: 6.903 ppbv
RT: 15.326 min Scan# 3961
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

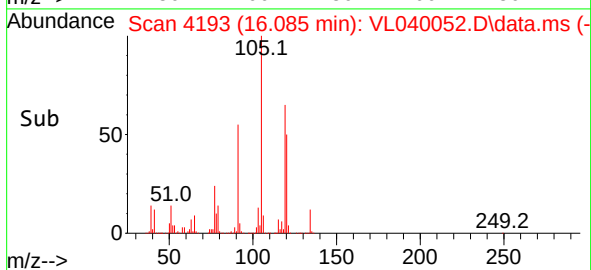
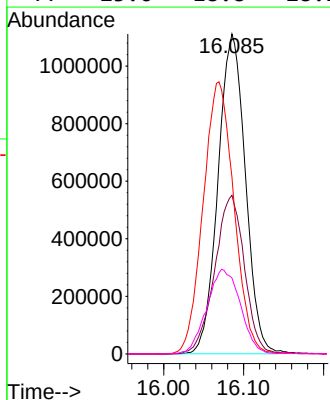
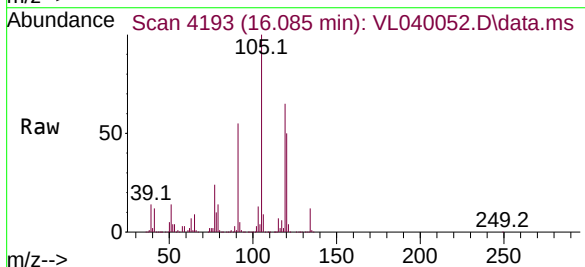
Instrument :
MSVOA_L
ClientSampleId :
VL1220ABS01

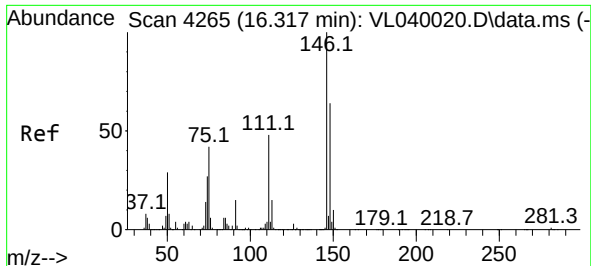
Tgt Ion:105 Resp: 2458253
Ion Ratio Lower Upper
105 100
120 45.7 38.4 57.6



#74
1,2,4-Trimethylbenzene
Concen: 6.712 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. -0.010 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion:105 Resp: 2634548
Ion Ratio Lower Upper
105 100
120 49.5 39.3 58.9
91 54.9 44.2 66.4
77 23.6 18.8 28.2

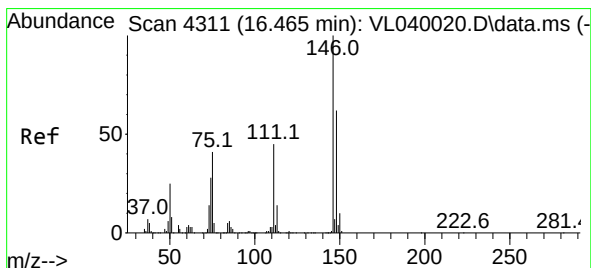
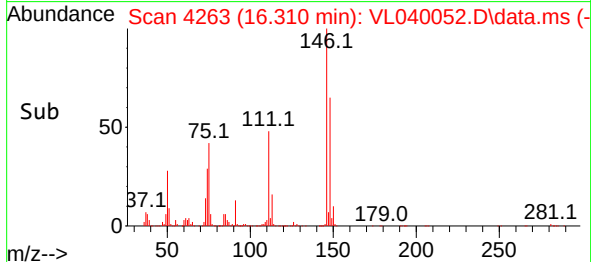
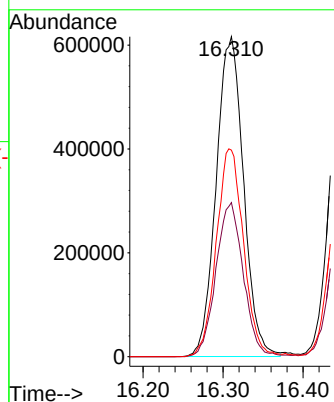
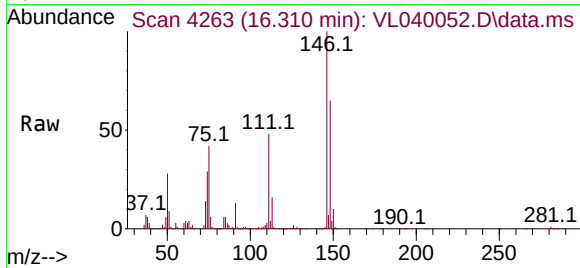




#75
1,3-Dichlorobenzene
Concen: 6.808 ppbv
RT: 16.310 min Scan# 410
Delta R.T. -0.006 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

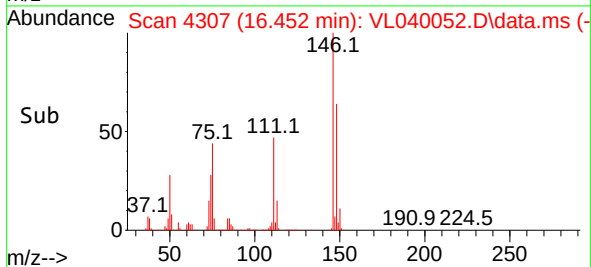
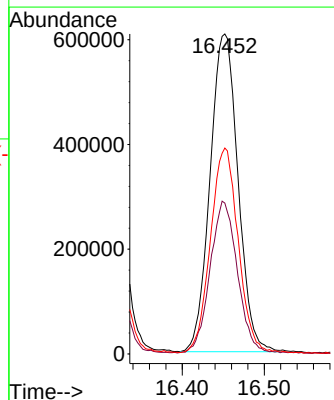
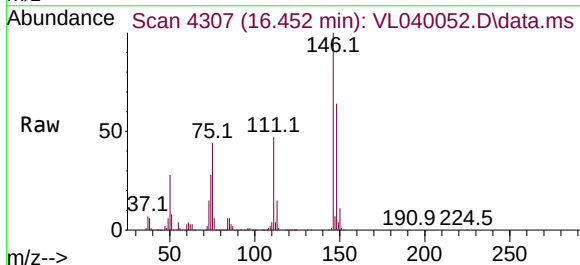
Instrument :
MSVOA_1
ClientSampleId :
VL1220ABS01

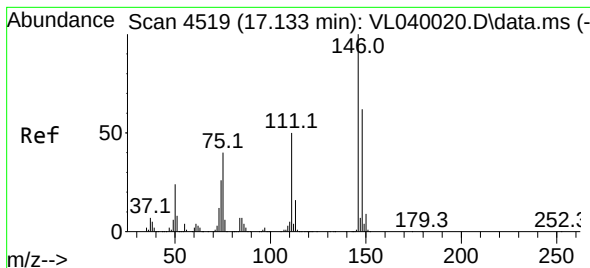
Tgt Ion:146 Resp: 1462192
Ion Ratio Lower Upper
146 100
111 48.3 23.9 71.8
148 64.9 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 6.854 ppbv
RT: 16.452 min Scan# 4307
Delta R.T. -0.013 min
Lab File: VL040052.D
Acq: 20 Dec 2022 12:03

Tgt Ion:146 Resp: 1437261
Ion Ratio Lower Upper
146 100
111 48.1 23.4 70.2
148 64.9 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 6.885 ppbv

RT: 17.121 min Scan# 4515

Delta R.T. -0.013 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_1

ClientSampleId :

VL1220ABS01

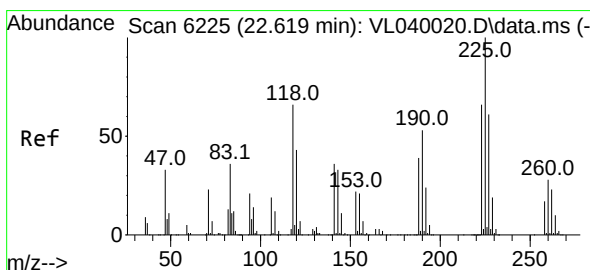
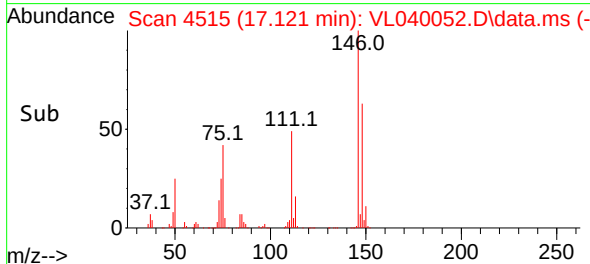
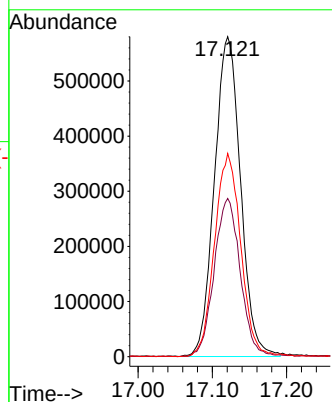
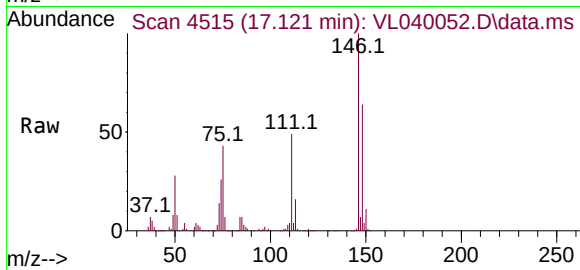
Tgt Ion:146 Resp: 1418216

Ion Ratio Lower Upper

146 100

111 49.7 25.3 75.9

148 63.8 31.9 95.9



#78

Hexachloro-1,3-Butadiene

Concen: 6.991 ppbv

RT: 22.609 min Scan# 6222

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

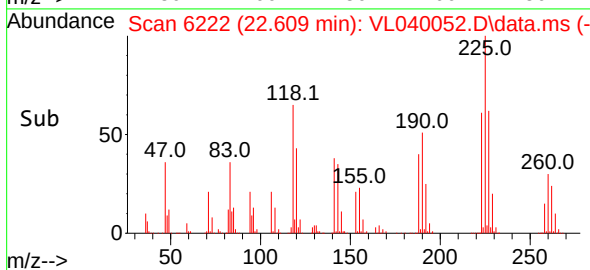
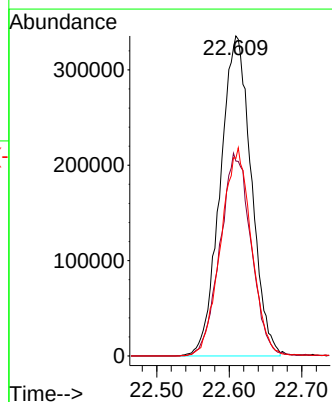
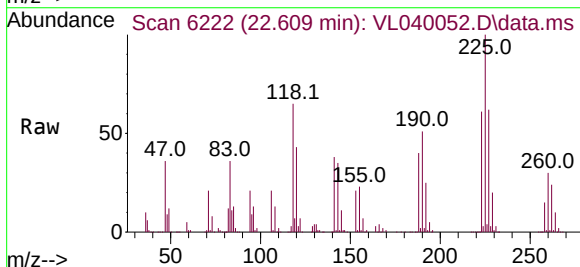
Tgt Ion:225 Resp: 998916

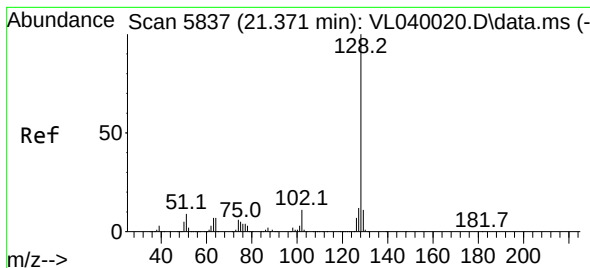
Ion Ratio Lower Upper

225 100

223 63.5 0.0 0.0#

227 64.3 0.0 0.0#





#79

Naphthalene

Concen: 9.123 ppbv

RT: 21.362 min Scan# 5834

Delta R.T. -0.010 min

Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Instrument :

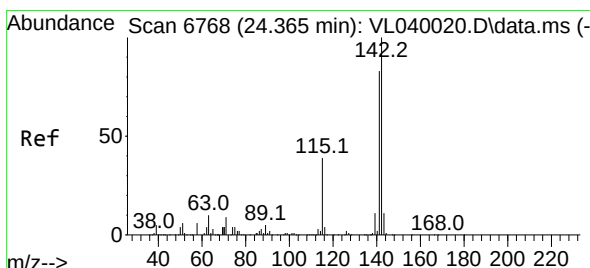
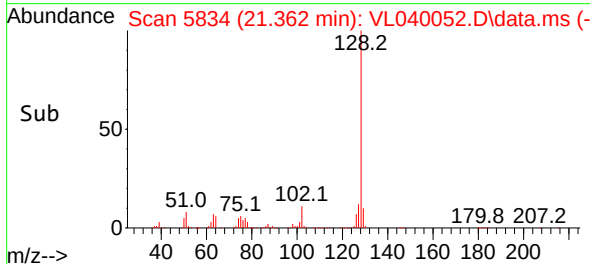
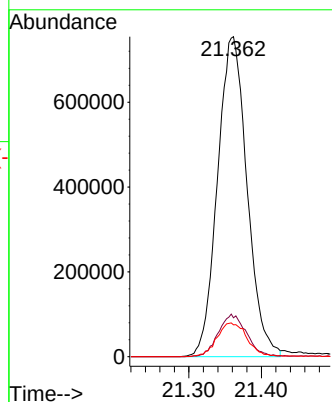
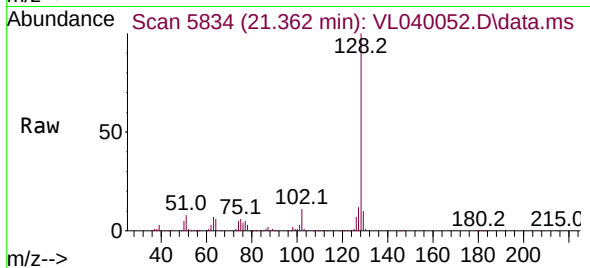
MSVOA_1

ClientSampleId :

VL1220ABS01

Tgt Ion:128 Resp: 2133804

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.0	15.0
129	9.9	8.8	13.2



#80

Naphthalene,2-methyl-

Concen: 6.357 ppbv

RT: 24.358 min Scan# 6766

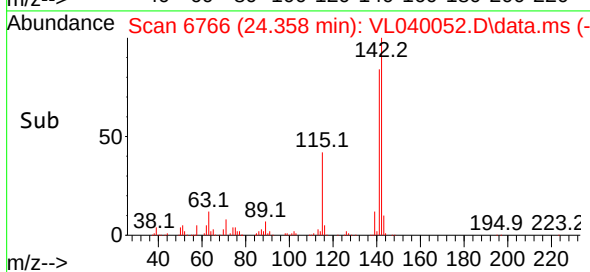
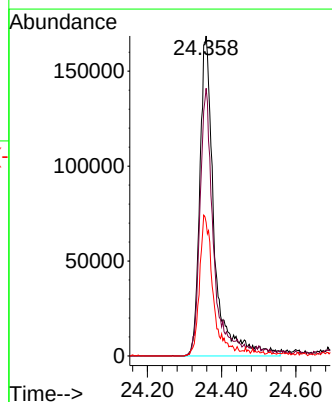
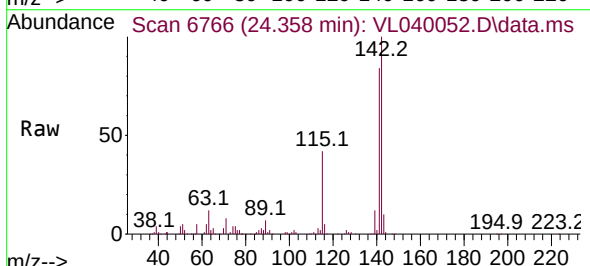
Delta R.T. -0.006 min

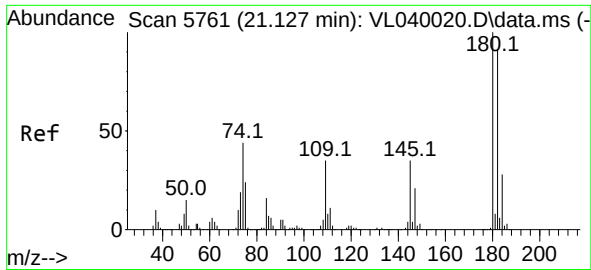
Lab File: VL040052.D

Acq: 20 Dec 2022 12:03

Tgt Ion:142 Resp: 454909

Ion	Ratio	Lower	Upper
142	100		
141	79.2	65.3	97.9
115	42.2	31.9	47.9





#81

1,2,4-Trichlorobenzene

Concen: 7.775 ppbv

RT: 21.117 min Scan# 51

Delta R.T. -0.010 min

Lab File: VL040052.D

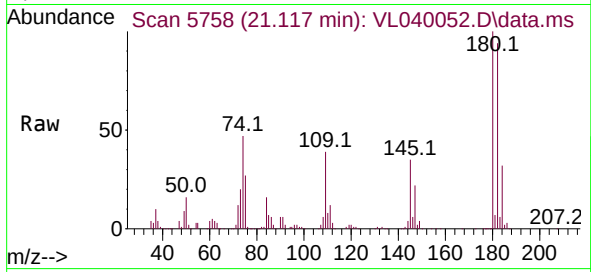
Acq: 20 Dec 2022 12:03

Instrument :

MSVOA_L

ClientSampleId :

VL1220ABS01



Tgt Ion:180 Resp: 1080147

Ion Ratio Lower Upper

180 100

182 97.5 76.6 115.0

184 31.0 24.9 37.3

