

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040400.D
 Acq On : 11 May 2023 13:59
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: May 12 05:52:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1118928	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	3015740	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.458	117	2804183	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2101445	9.062	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	1501492	7.443	ppbv	98
3) Chlorodifluoromethane	2.652	51	1374816	9.403	ppbv	99
4) Chloromethane	2.790	50	921002	9.972	ppbv	99
5) Vinyl Chloride	2.896	62	777702	10.200	ppbv	97
6) Bromomethane	3.095	94	236253	9.405	ppbv	98
7) Chloroethane	3.173	64	281673	9.757	ppbv	95
8) Dichlorotetrafluoroethane	2.835	85	1794189	9.100	ppbv	96
9) Propene	2.668	41	624641	10.814	ppbv	98
10) Heptane	7.568	43	1486512	11.324	ppbv	100
11) Trichlorofluoromethane	3.542	101	1800605	8.817	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1312805	9.191	ppbv	98
13) Ethanol	3.218	45	43882	9.100	ppbv	99
14) Bromoethene	3.346	108	567556	9.717	ppbv	99
15) Acetone	3.446	43	1389718	8.769	ppbv	99
16) 1,3-Butadiene	2.964	39	663581	10.118	ppbv	96
17) tert-Butyl alcohol	3.854	59	1553534	10.675	ppbv	100
18) 1,1-Dichloroethene	3.861	96	595766	9.248	ppbv	93
19) Isopropyl Alcohol	3.552	45	780764	10.797	ppbv #	97
20) Methylene Chloride	3.912	84	517330	8.176	ppbv	98
21) Allyl Chloride	3.976	41	942583	10.467	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	639254	9.925	ppbv	97
23) Vinyl Acetate	4.607	43	463205	11.480	ppbv #	97
24) 1,1-Dichloroethane	4.546	63	1292931	9.628	ppbv	100
25) Ethyl Acetate	5.189	43	2783179	10.437	ppbv	99
26) Hexane	5.195	57	1224200	10.889	ppbv	93
27) Carbon Disulfide	4.105	76	1531799	10.529	ppbv	100
28) Methyl tert-Butyl Ether	4.565	73	1201885	10.356	ppbv	98
29) Chloroform	5.259	83	1956027	9.767	ppbv	100
30) Cyclohexane	6.587	84	1031346	11.845	ppbv	98
31) cis-1,2-Dichloroethene	5.060	61	1217741	10.928	ppbv	99
32) 1,1,1-Trichloroethane	5.986	97	1934582	9.942	ppbv	100
34) 2-Butanone	4.767	43	1454611	8.945	ppbv	98
35) Carbon Tetrachloride	6.478	117	1968646	9.273	ppbv	98
36) Benzene	6.356	78	2592201	10.535	ppbv	99
37) 1,2-Dichloroethane	5.790	62	1468168	9.084	ppbv	97
38) Trichloroethene	7.279	130	1540532	11.001	ppbv	95
39) 1,2-Dichloropropane	7.060	63	974299	10.064	ppbv	95
40) 1,4-Dioxane	7.272	88	391296	10.553	ppbv #	95
41) Tetrahydrofuran	5.539	42	976510	10.965	ppbv	99
42) Bromodichloromethane	7.237	83	2144818	9.718	ppbv	99
43) Methyl Methacrylate	7.462	69	1023406	11.199	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	4116092	10.015	ppbv	98
45) t-1,3-Dichloropropene	8.697	75	1005132	12.313	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
 Data File : VL040400.D
 Acq On : 11 May 2023 13:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

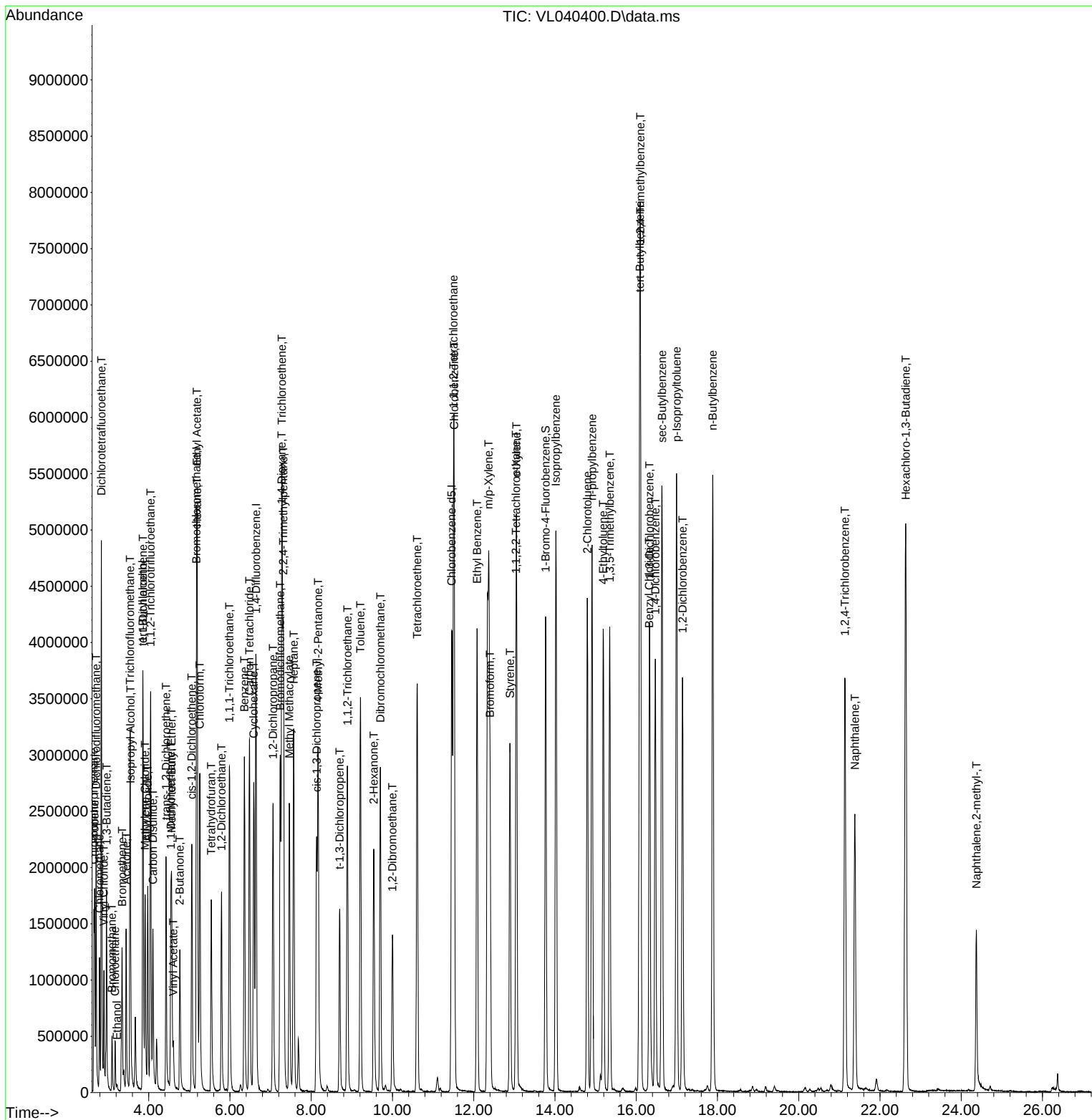
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

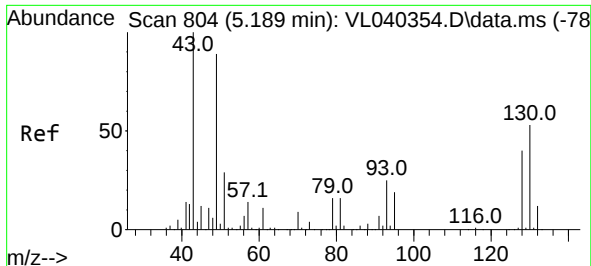
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1329580	11.702	ppbv	95
47) 1,1,2-Trichloroethane	8.893	97	1046706	9.861	ppbv	97
48) Dibromochloromethane	9.703	129	1784291	10.438	ppbv	100
49) Bromoform	12.404	173	1442124	10.816	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2501789	10.147	ppbv	97
51) 2-Hexanone	9.539	43	1981115	10.873	ppbv #	98
52) Tetrachloroethene	10.610	164	896035	11.642	ppbv	95
53) Toluene	9.211	91	2960160	11.348	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1177032	10.937	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	1273577	9.950	ppbv	96
57) Chlorobenzene	11.520	112	2269193	10.335	ppbv	97
58) Ethyl Benzene	12.082	91	3952726	11.459	ppbv	96
59) m/p-Xylene	12.368	91	3586882	11.307	ppbv #	38
60) o-Xylene	13.053	91	3208550	10.539	ppbv	99
61) Styrene	12.892	104	1954154	12.814	ppbv	97
62) Isopropylbenzene	14.024	105	4520997	10.311	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.040	83	994162	8.923	ppbv	100
64) n-propylbenzene	14.915	120	1180599	10.943	ppbv	92
65) tert-Butylbenzene	16.088	119	3955052	10.253	ppbv	97
66) Benzyl Chloride	16.320	91	277254	11.609	ppbv	97
67) sec-Butylbenzene	16.635	105	5574358	10.061	ppbv	98
69) p-Isopropyltoluene	16.995	119	4559475	10.539	ppbv	98
70) n-Butylbenzene	17.883	91	4854609	10.122	ppbv	99
71) 2-Chlorotoluene	14.796	91	3519409	10.455	ppbv	98
72) 4-Ethyltoluene	15.188	105	3688166	10.974	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	3277623	10.557	ppbv	97
74) 1,2,4-Trimethylbenzene	16.105	105	3537001	9.968	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	2027281	10.430	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1995105	10.389	ppbv	99
77) 1,2-Dichlorobenzene	17.140	146	1939639	10.092	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1470524	9.544	ppbv	99
79) Naphthalene	21.384	128	3158471	13.186	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1056931	14.824	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.140	180	1632496	11.091	ppbv	98

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: May 12 05:52:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
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QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

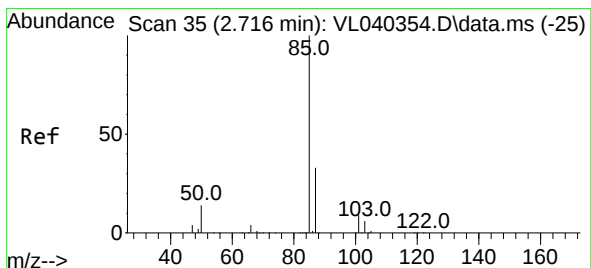
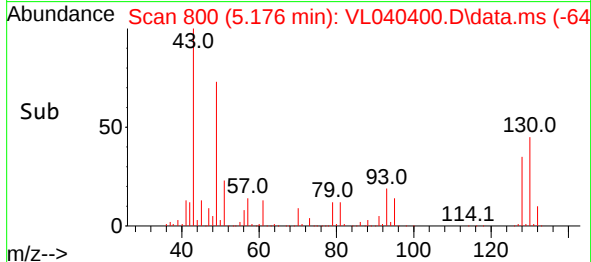
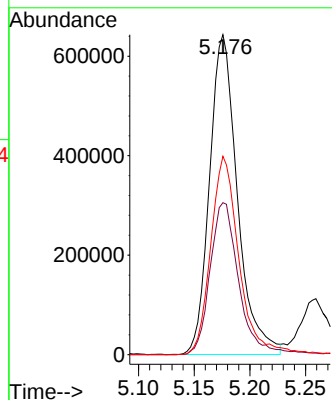
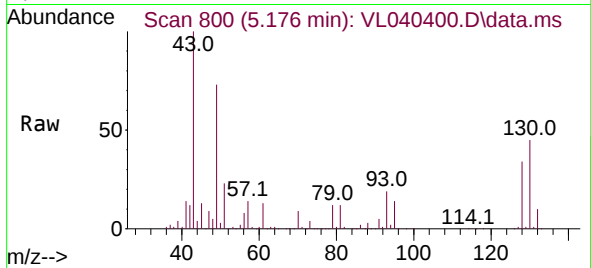




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.176 min Scan# 80
 Delta R.T. -0.013 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

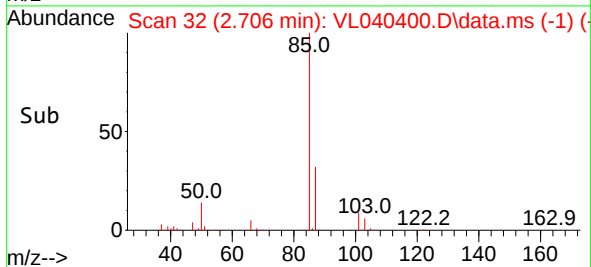
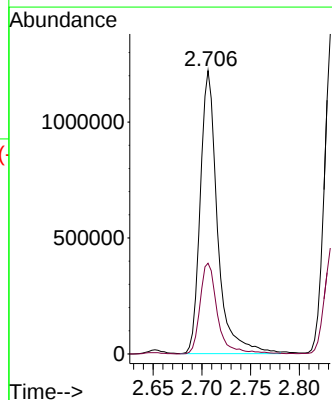
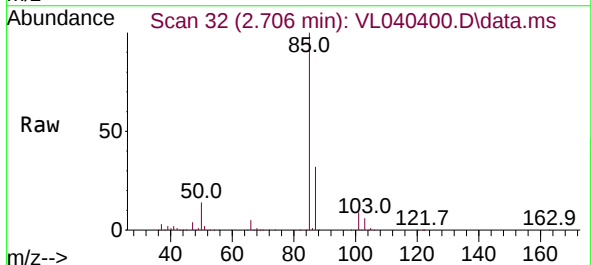
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

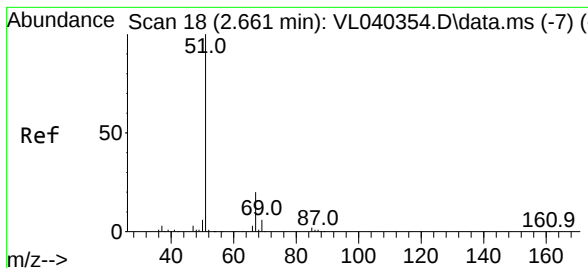
Tgt Ion: 49 Resp: 1118928
 Ion Ratio Lower Upper
 49 100
 128 49.8 23.7 71.1
 130 64.1 29.9 89.8



#2
 Dichlorodifluoromethane
 Concen: 7.443 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. -0.010 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Tgt Ion: 85 Resp: 1501492
 Ion Ratio Lower Upper
 85 100
 87 32.0 26.6 40.0





#3

Chlorodifluoromethane

Concen: 9.403 ppbv

RT: 2.652 min Scan# 11

Delta R.T. -0.009 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

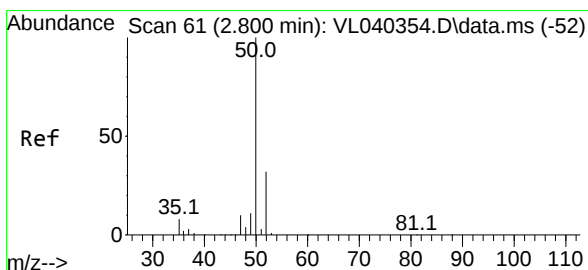
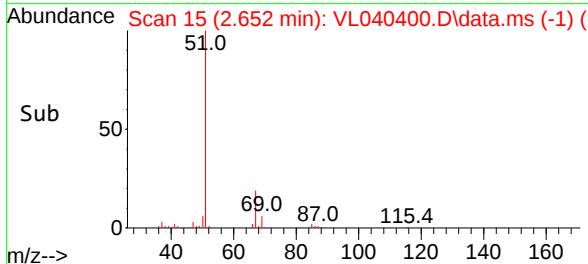
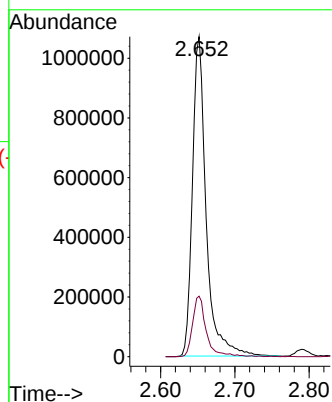
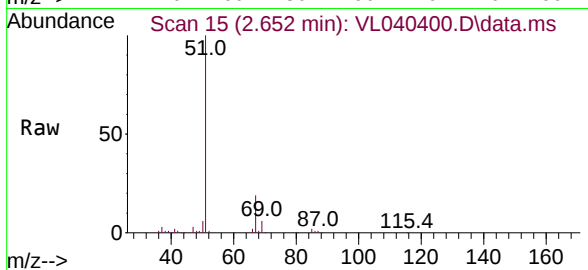
VSTDCCC010

Tgt Ion: 51 Resp: 1374816

Ion Ratio Lower Upper

51 100

67 18.9 15.5 23.3



#4

Chloromethane

Concen: 9.972 ppbv

RT: 2.790 min Scan# 58

Delta R.T. -0.010 min

Lab File: VL040400.D

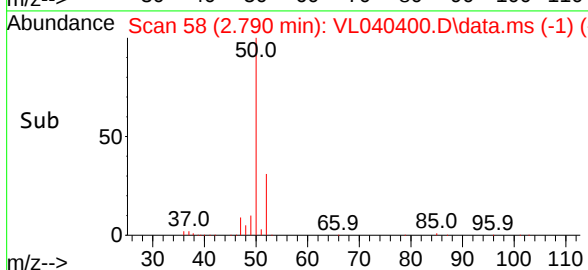
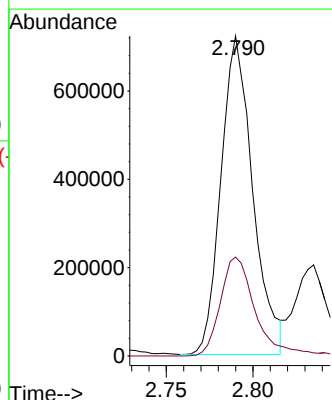
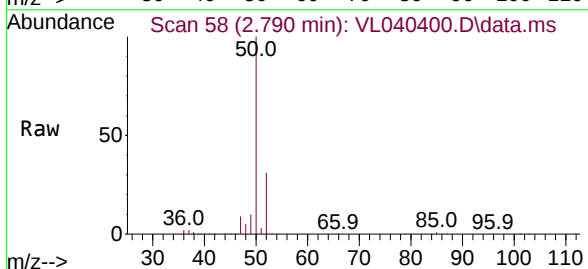
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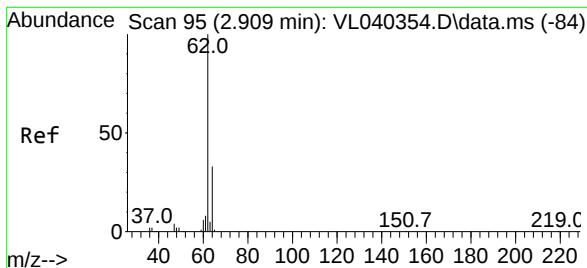
Tgt Ion: 50 Resp: 921002

Ion Ratio Lower Upper

50 100

52 31.0 25.3 37.9

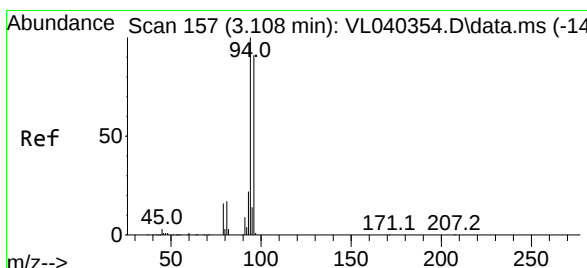
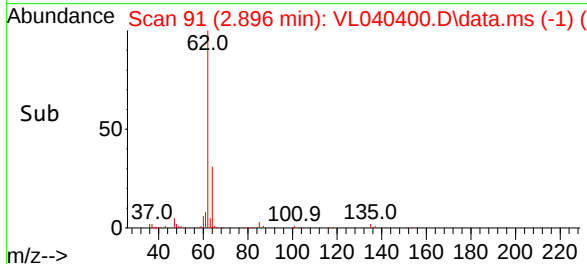
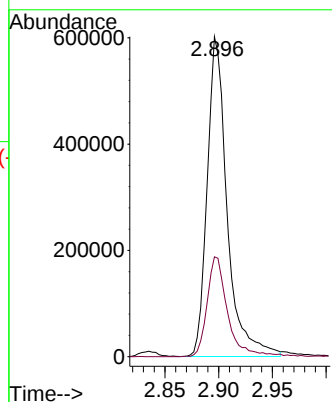
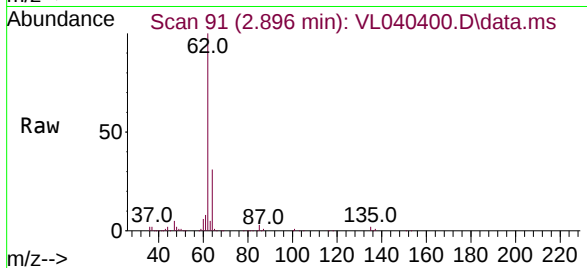




#5
 Vinyl Chloride
 Concen: 10.200 ppbv
 RT: 2.896 min Scan# 91
 Delta R.T. -0.013 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

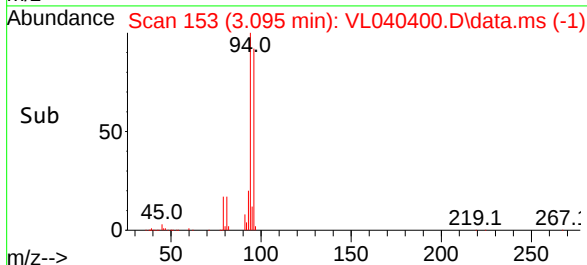
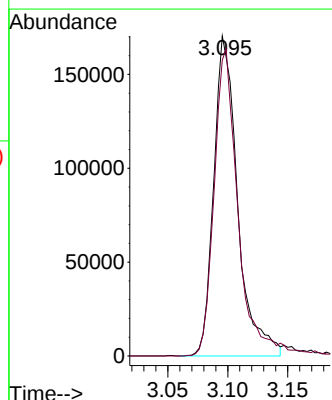
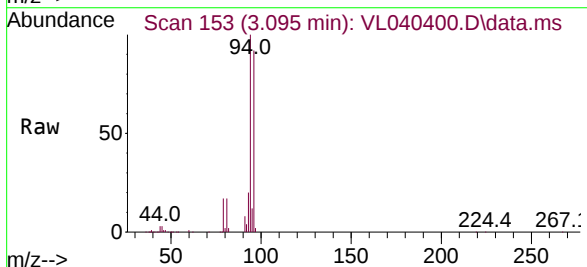
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

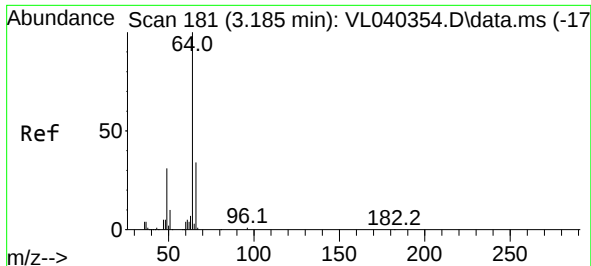
Tgt Ion: 62 Resp: 777702
 Ion Ratio Lower Upper
 62 100
 64 31.2 26.3 39.5



#6
 Bromomethane
 Concen: 9.405 ppbv
 RT: 3.095 min Scan# 153
 Delta R.T. -0.013 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Tgt Ion: 94 Resp: 236253
 Ion Ratio Lower Upper
 94 100
 96 92.5 72.6 108.8

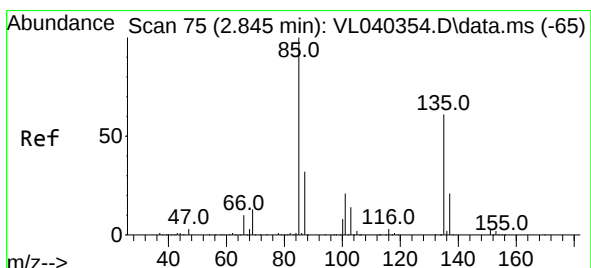
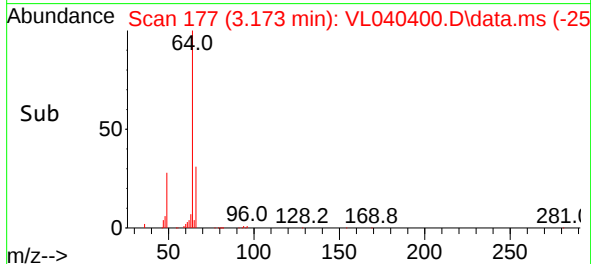
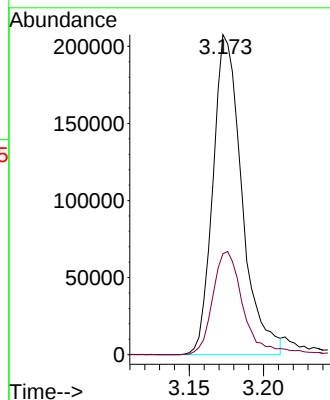
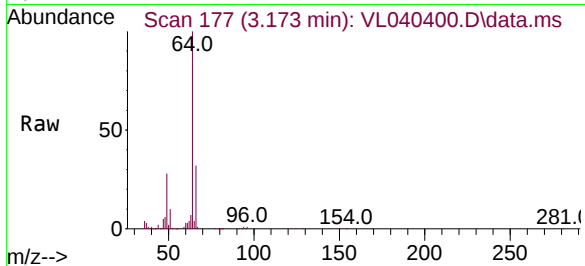




#7
Chloroethane
Concen: 9.757 ppbv
RT: 3.173 min Scan# 11
Delta R.T. -0.012 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

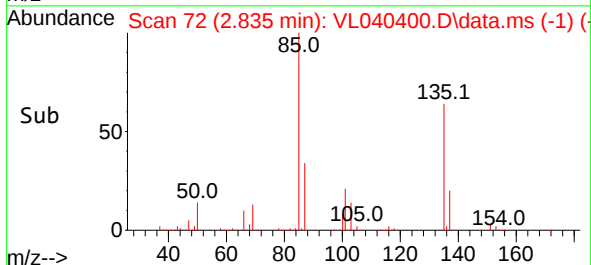
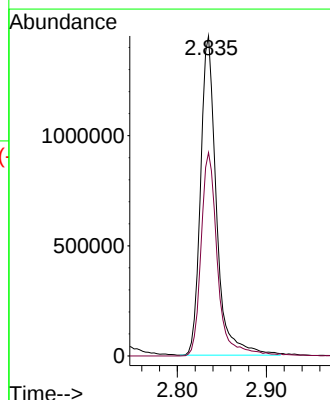
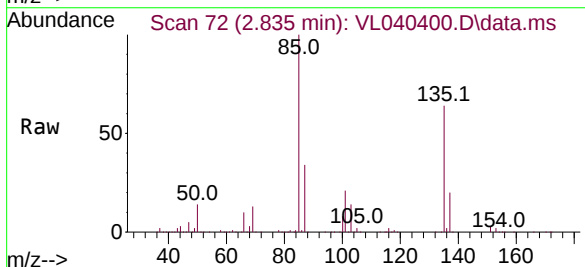
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MSVOA_L
ClientSampleId :
VSTDCCC010

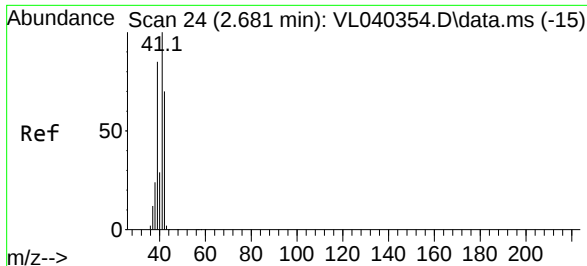
Tgt Ion: 64 Resp: 281673
Ion Ratio Lower Upper
64 100
66 31.6 27.5 41.3



#8
Dichlorotetrafluoroethane
Concen: 9.100 ppbv
RT: 2.835 min Scan# 72
Delta R.T. -0.010 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 85 Resp: 1794189
Ion Ratio Lower Upper
85 100
135 66.7 50.7 76.1





#9

Propene

Concen: 10.814 ppbv

RT: 2.668 min Scan# 20

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

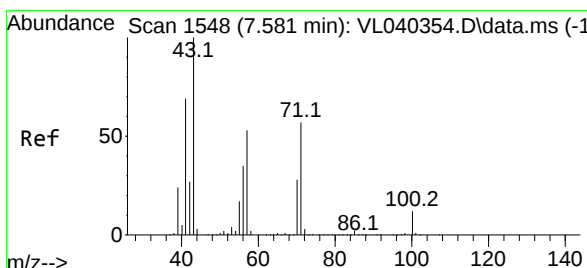
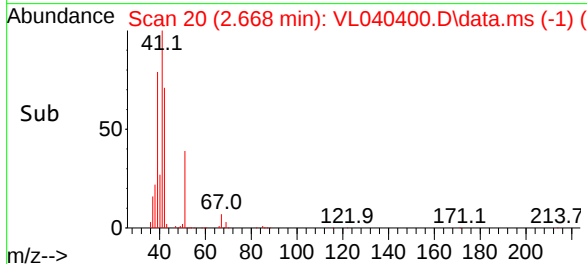
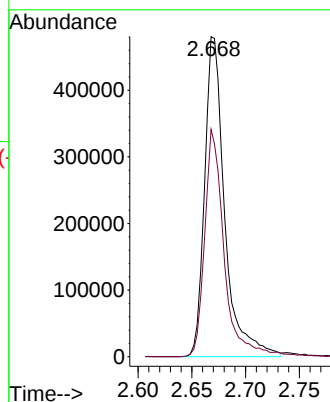
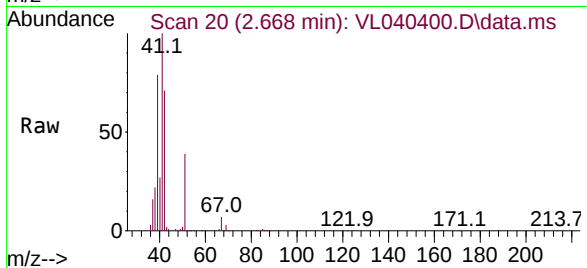
VSTDCCC010

Tgt Ion: 41 Resp: 624641

Ion Ratio Lower Upper

41 100

42 69.2 56.5 84.7



#10

Heptane

Concen: 11.324 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. -0.013 min

Lab File: VL040400.D

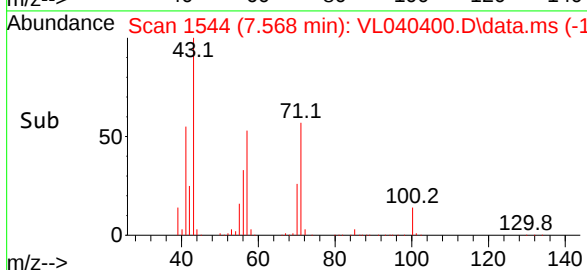
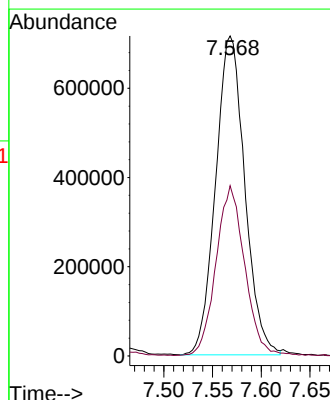
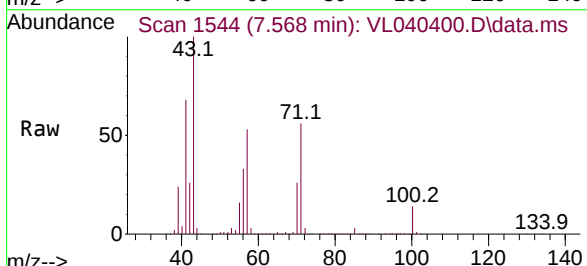
Acq: 11 May 2023 13:59

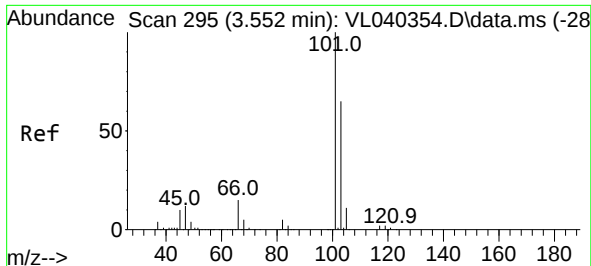
Tgt Ion: 43 Resp: 1486512

Ion Ratio Lower Upper

43 100

57 53.0 42.2 63.4

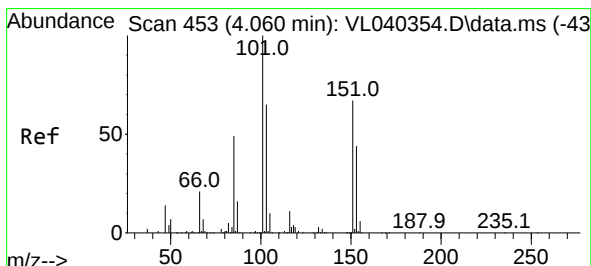
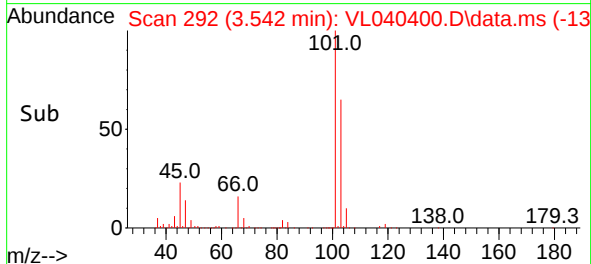
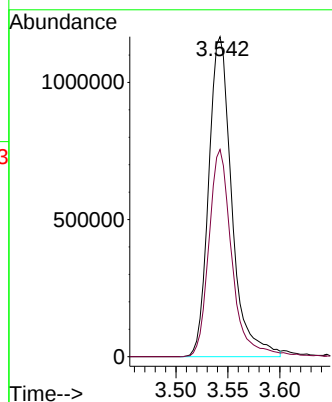
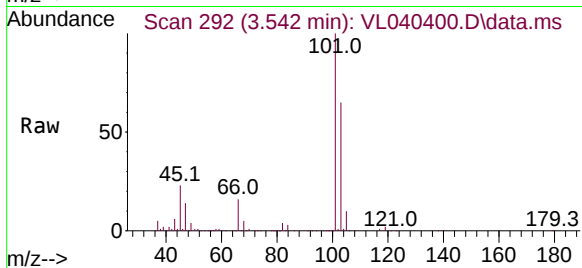




#11
 Trichlorofluoromethane
 Concen: 8.817 ppbv
 RT: 3.542 min Scan# 295
 Delta R.T. -0.010 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

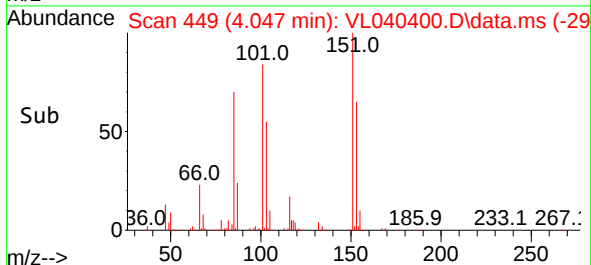
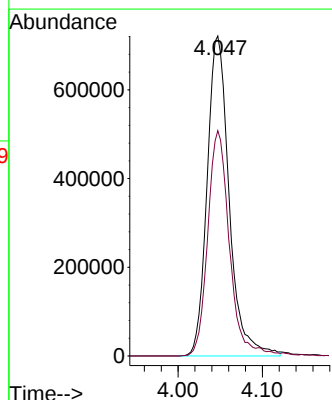
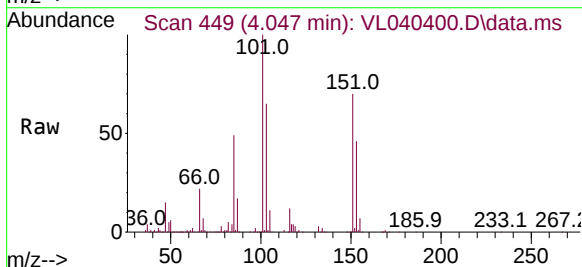
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

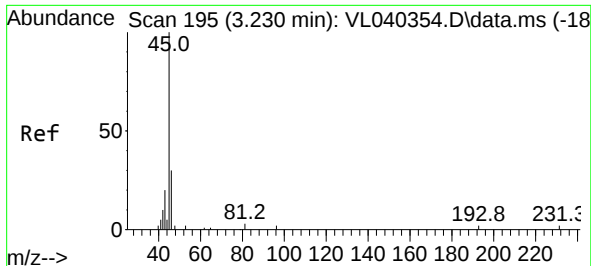
Tgt Ion:101 Resp: 1800605
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.2 78.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.191 ppbv
 RT: 4.047 min Scan# 449
 Delta R.T. -0.013 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Tgt Ion:101 Resp: 1312805
 Ion Ratio Lower Upper
 101 100
 151 69.8 54.7 82.1

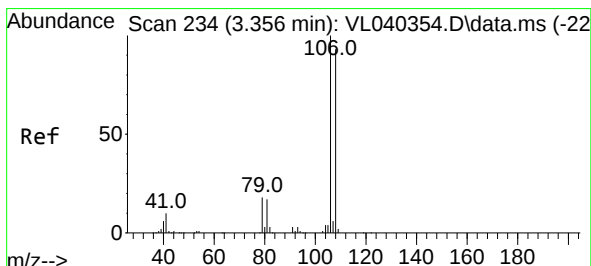
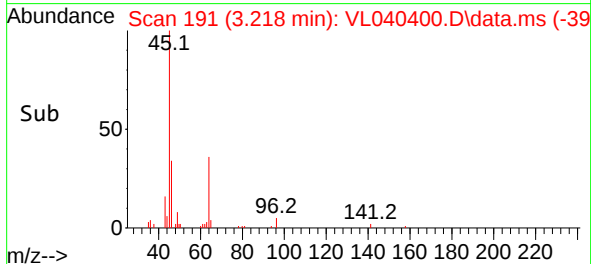
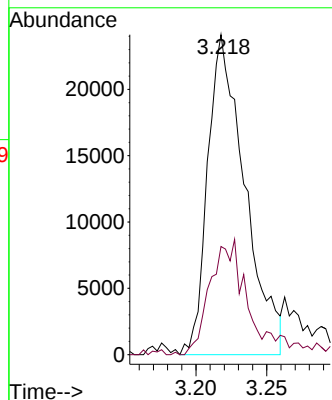
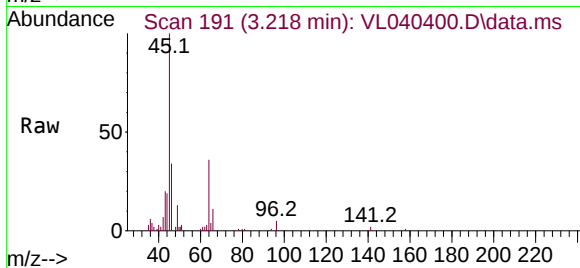




#13
Ethanol
Concen: 9.100 ppbv
RT: 3.218 min Scan# 195
Delta R.T. -0.012 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

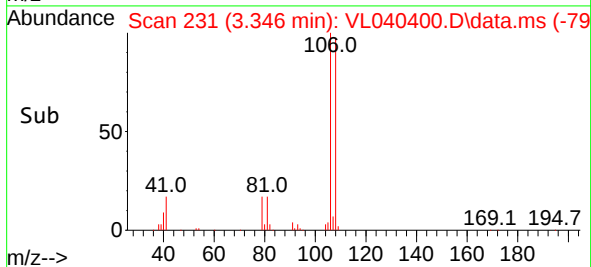
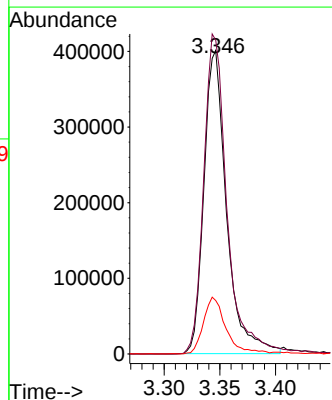
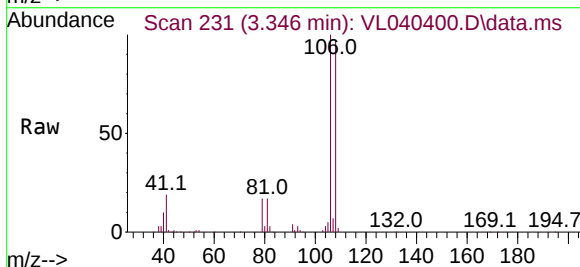
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

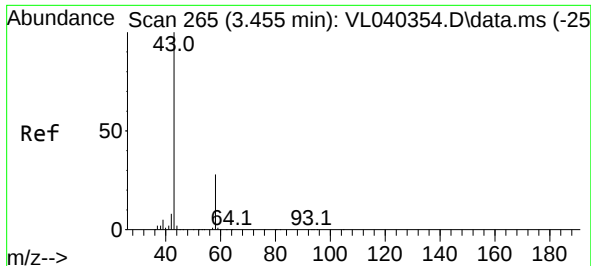
Tgt Ion: 45 Resp: 43882
Ion Ratio Lower Upper
45 100
46 38.7 15.3 61.3



#14
Bromoethene
Concen: 9.717 ppbv
RT: 3.346 min Scan# 231
Delta R.T. -0.010 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion:108 Resp: 567556
Ion Ratio Lower Upper
108 100
106 109.7 88.3 132.5
79 19.4 16.1 24.1

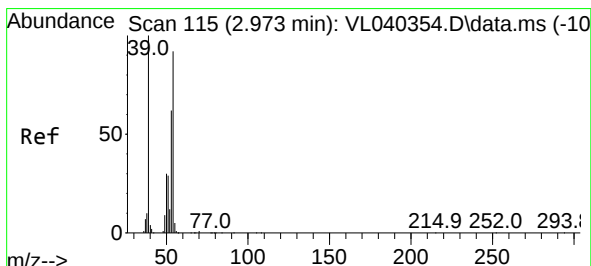
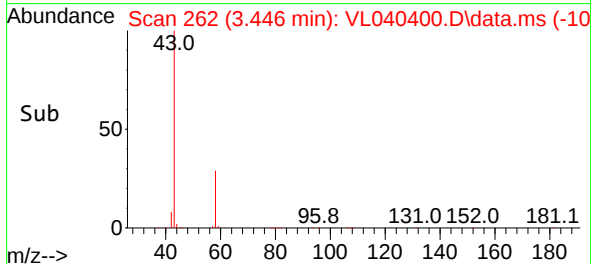
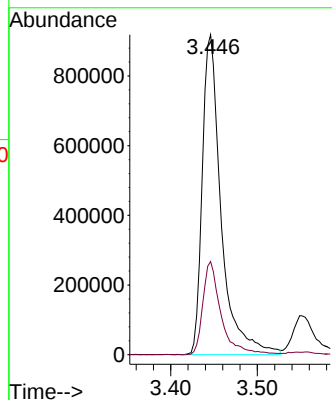
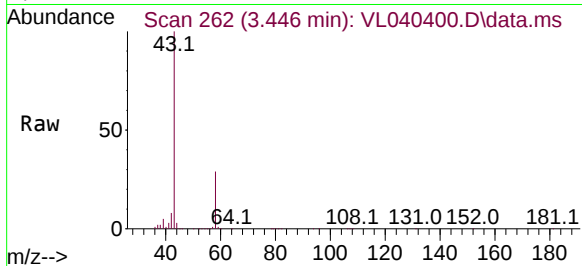




#15
Acetone
Concen: 8.769 ppbv
RT: 3.446 min Scan# 20
Delta R.T. -0.009 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

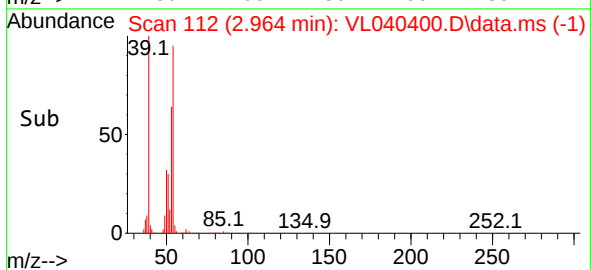
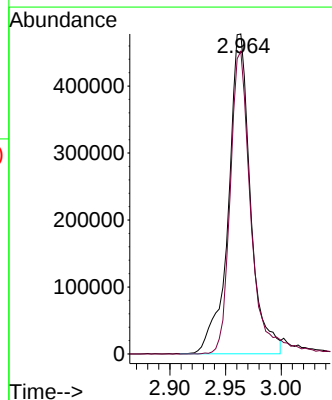
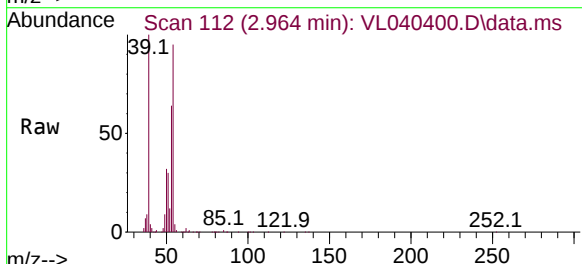
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

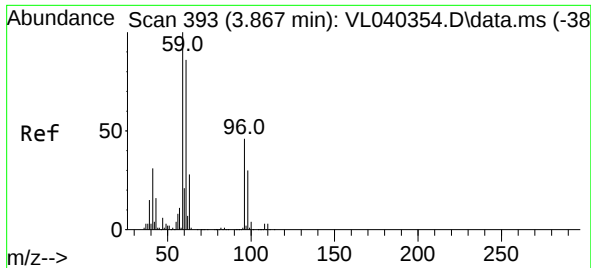
Tgt Ion: 43 Resp: 1389718
Ion Ratio Lower Upper
43 100
58 28.2 22.2 33.2



#16
1,3-Butadiene
Concen: 10.118 ppbv
RT: 2.964 min Scan# 112
Delta R.T. -0.009 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 39 Resp: 663581
Ion Ratio Lower Upper
39 100
54 89.7 68.8 103.2





#17

tert-Butyl alcohol

Concen: 10.675 ppbv

RT: 3.854 min Scan# 391

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

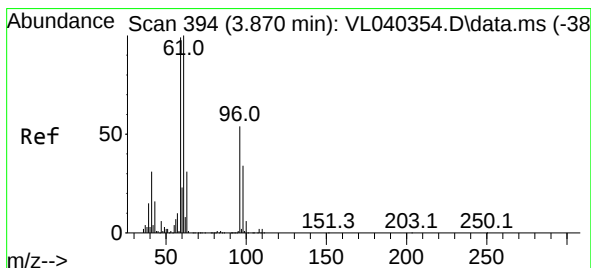
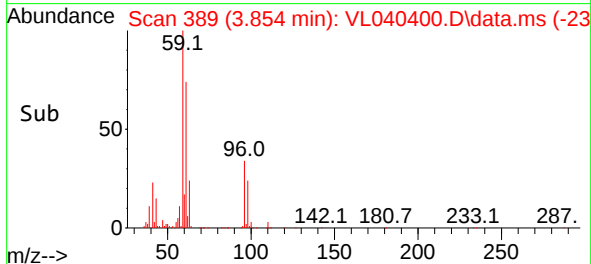
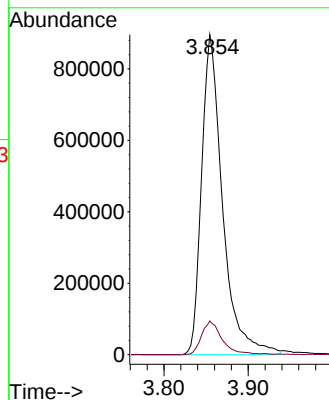
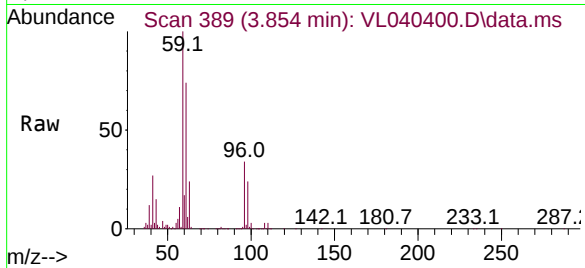
VSTDCCC010

Tgt Ion: 59 Resp: 1553534

Ion Ratio Lower Upper

59 100

57 10.5 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.248 ppbv

RT: 3.861 min Scan# 391

Delta R.T. -0.009 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

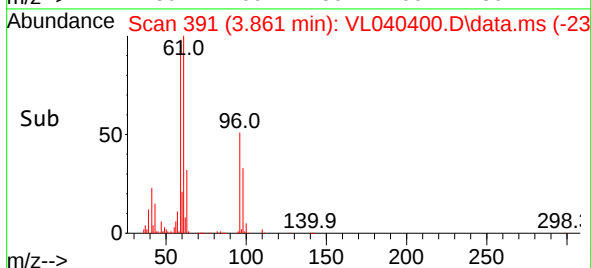
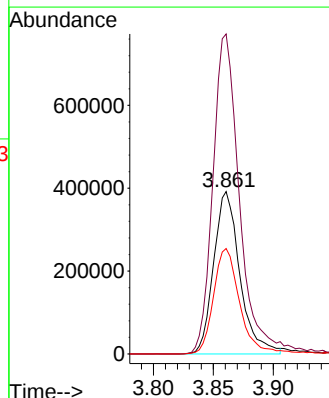
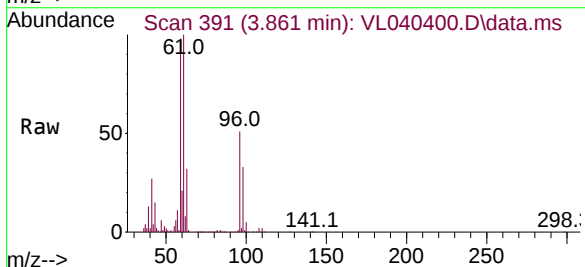
Tgt Ion: 96 Resp: 595766

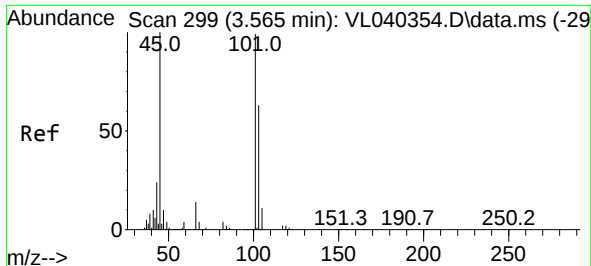
Ion Ratio Lower Upper

96 100

61 197.1 148.3 222.5

98 64.9 49.8 74.8

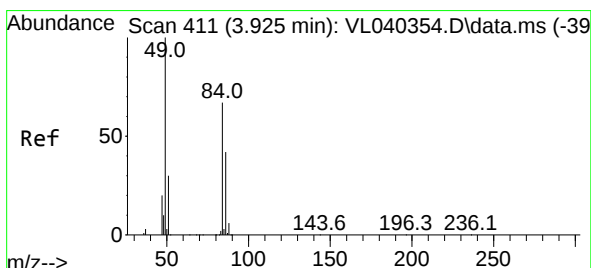
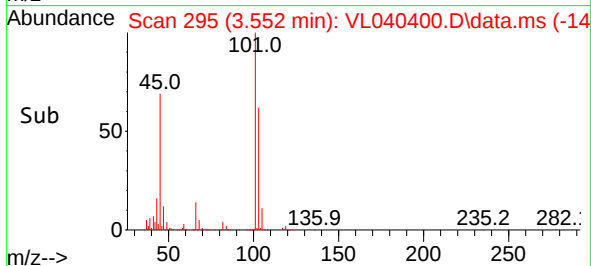
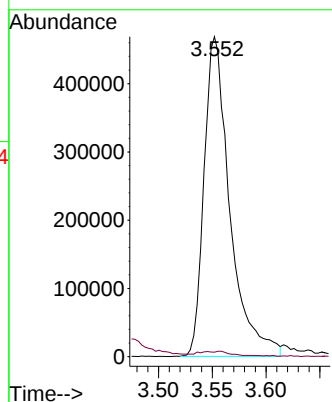
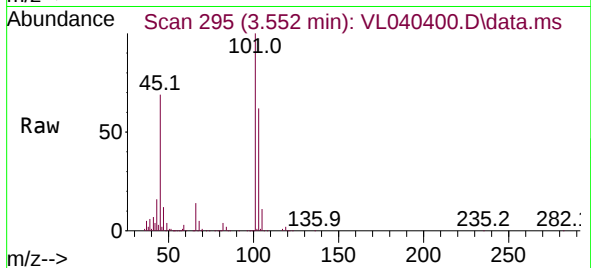




#19
Isopropyl Alcohol
Concen: 10.797 ppbv
RT: 3.552 min Scan# 299
Delta R.T. -0.013 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

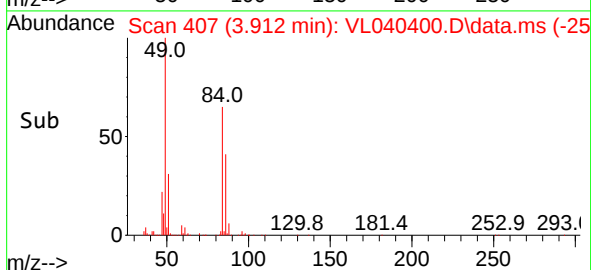
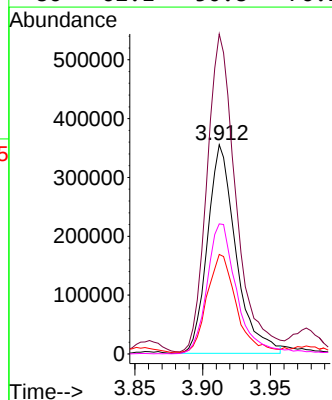
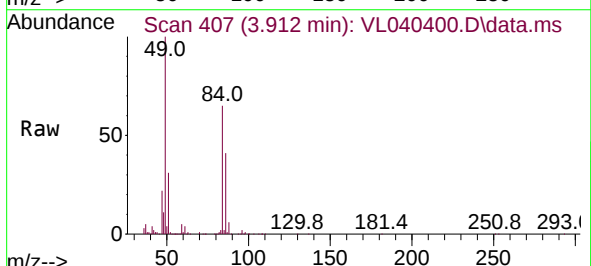
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

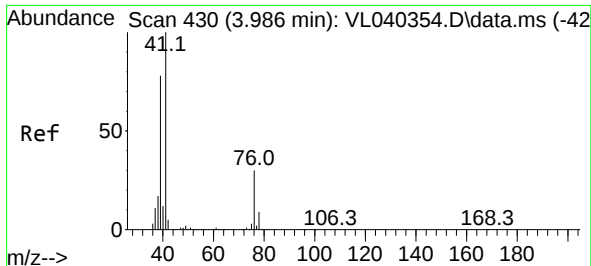
Tgt Ion: 45 Resp: 780764
Ion Ratio Lower Upper
45 100
58 2.4 2.6 4.0#



#20
Methylene Chloride
Concen: 8.176 ppbv
RT: 3.912 min Scan# 407
Delta R.T. -0.013 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 84 Resp: 517330
Ion Ratio Lower Upper
84 100
49 152.4 120.1 180.1
51 46.9 36.3 54.5
86 62.1 50.8 76.2

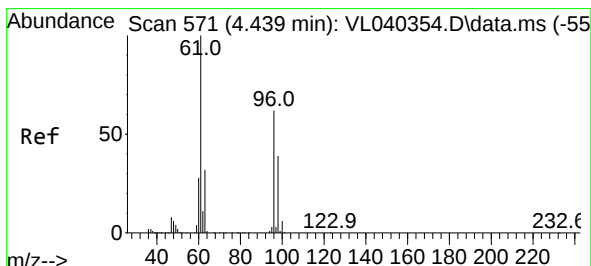
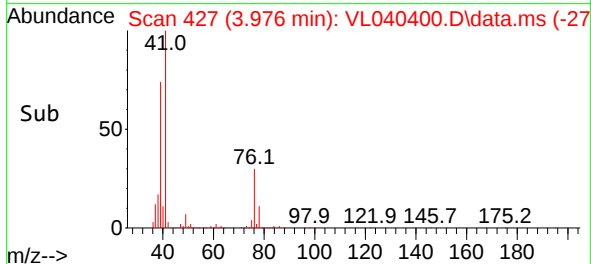
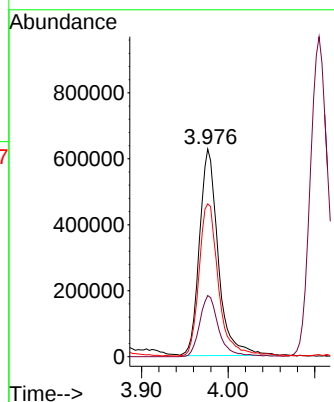
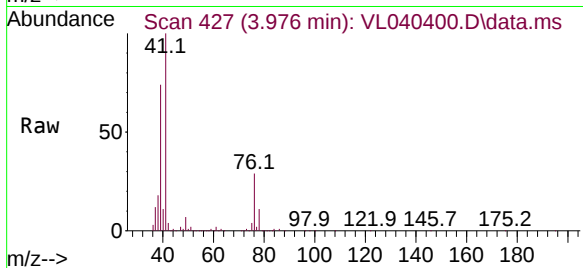




#21
 Allyl Chloride
 Concen: 10.467 ppbv
 RT: 3.976 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

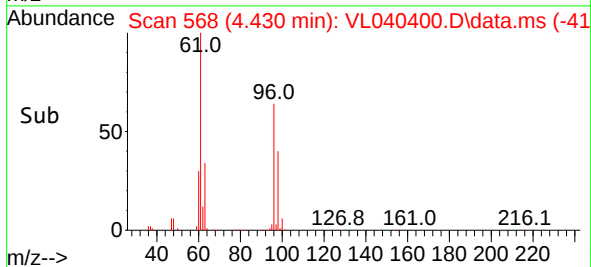
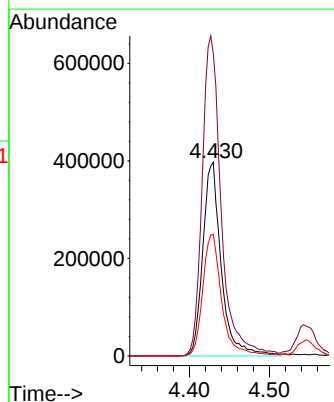
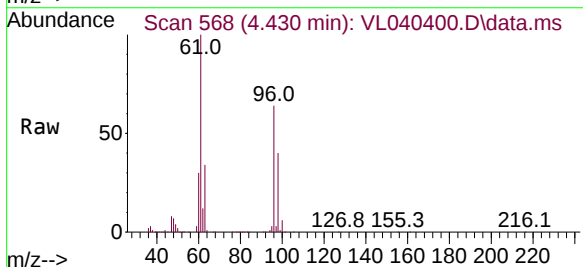
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

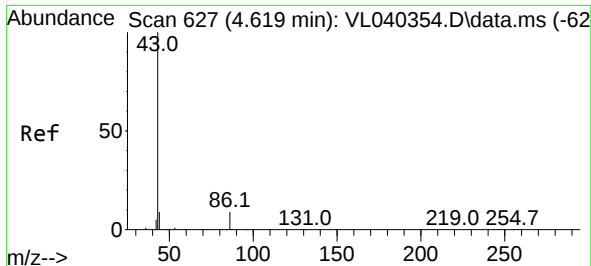
Tgt Ion: 41 Resp: 942583
 Ion Ratio Lower Upper
 41 100
 76 30.3 25.5 38.3
 39 76.9 64.0 96.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.925 ppbv
 RT: 4.430 min Scan# 568
 Delta R.T. -0.009 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Tgt Ion: 96 Resp: 639254
 Ion Ratio Lower Upper
 96 100
 61 156.0 129.4 194.2
 98 62.9 51.0 76.4

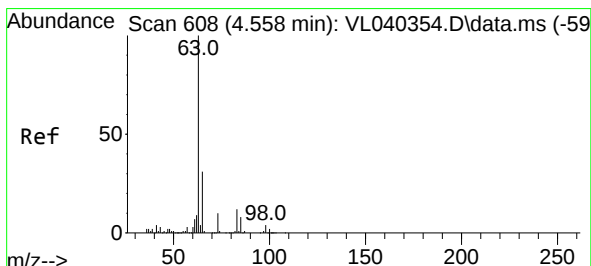
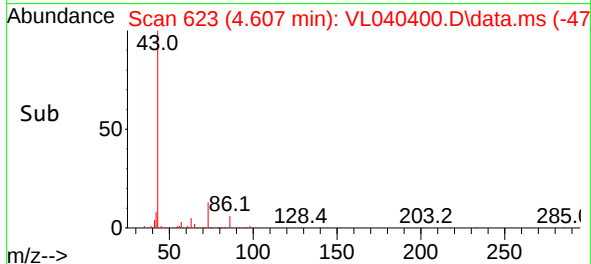
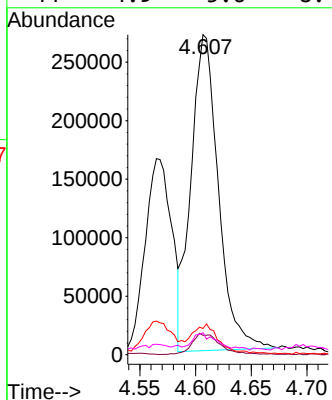
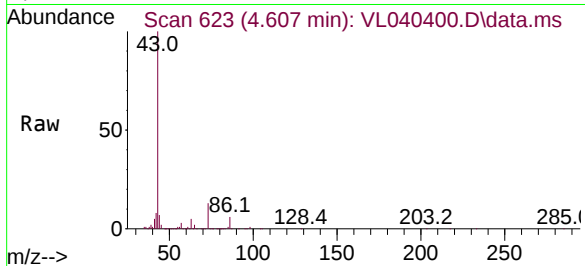




#23
 Vinyl Acetate
 Concen: 11.480 ppbv
 RT: 4.607 min Scan# 61
 Delta R.T. -0.012 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

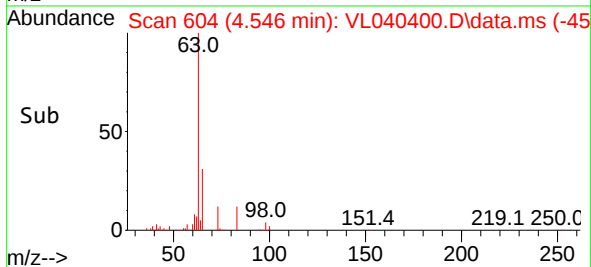
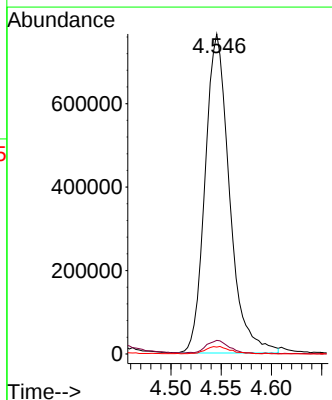
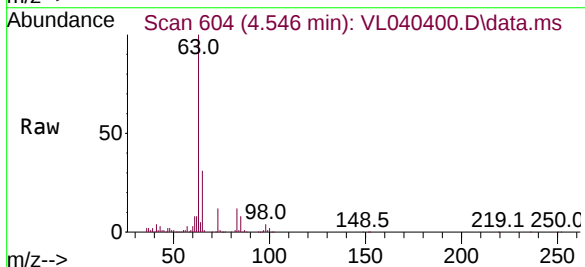
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

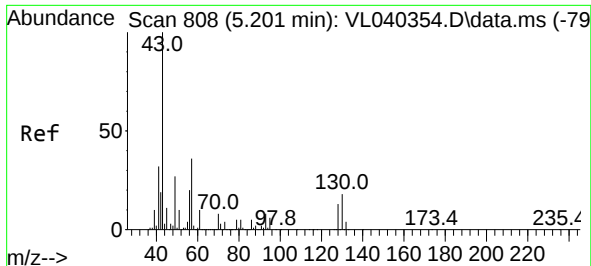
Tgt Ion: 43 Resp: 463205
 Ion Ratio Lower Upper
 43 100
 86 6.1 6.0 9.0
 42 8.0 6.4 9.6
 44 4.9 5.6 8.4#



#24
 1,1-Dichloroethane
 Concen: 9.628 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. -0.012 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Tgt Ion: 63 Resp: 1292931
 Ion Ratio Lower Upper
 63 100
 98 4.1 2.1 6.2
 100 2.2 1.2 3.6



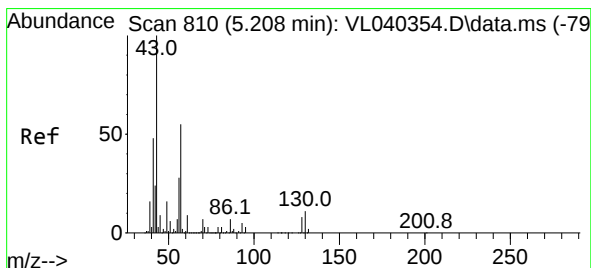
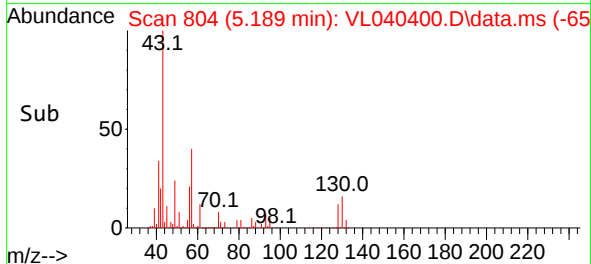
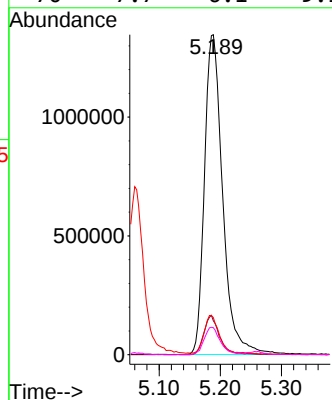
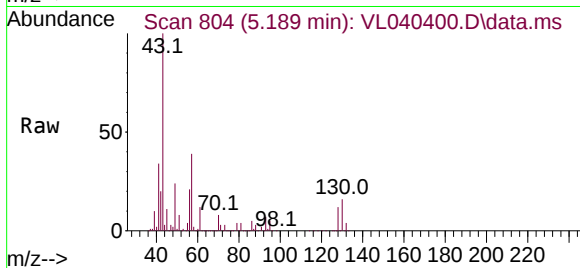


#25
Ethyl Acetate
Concen: 10.437 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.012 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2783179

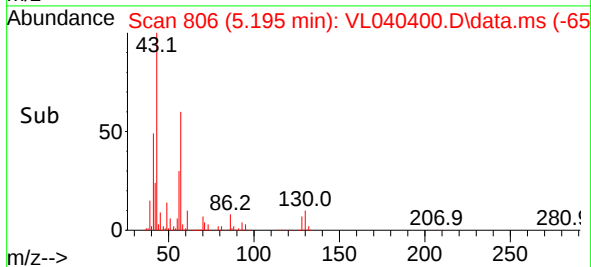
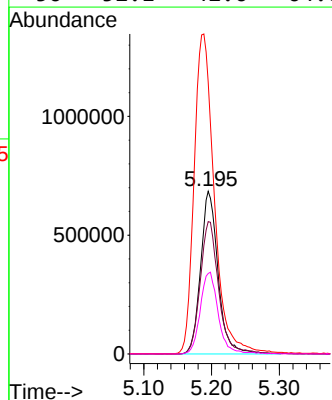
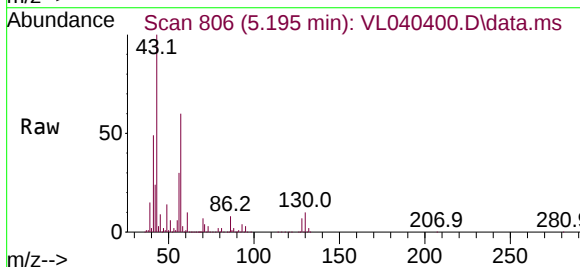
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.5	12.7
61	11.2	8.5	12.7
70	7.7	6.1	9.1

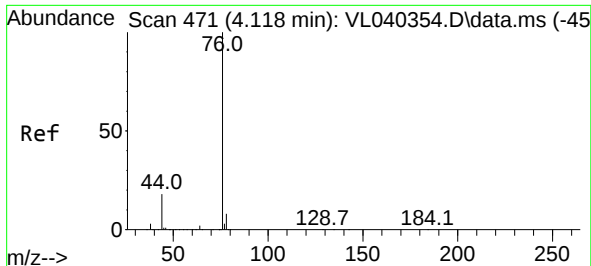


#26
Hexane
Concen: 10.889 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.013 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 57 Resp: 1224200

Ion	Ratio	Lower	Upper
57	100		
41	86.7	74.8	112.2
43	228.0	192.7	289.1
56	52.1	42.6	64.0

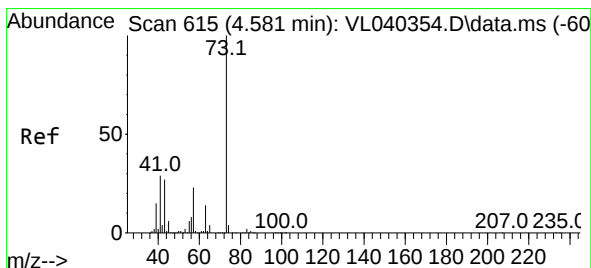
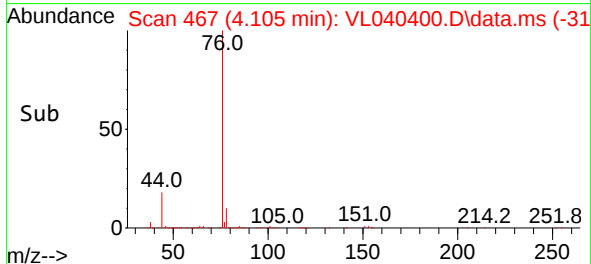
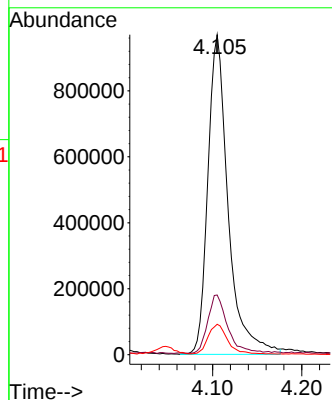
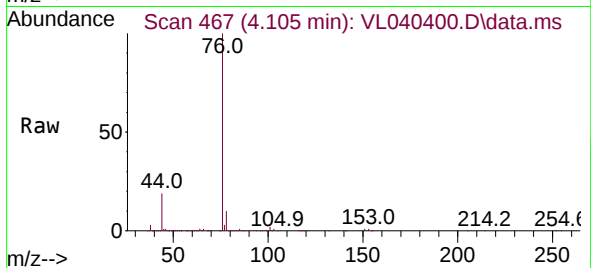




#27
Carbon Disulfide
Concen: 10.529 ppbv
RT: 4.105 min Scan# 40
Delta R.T. -0.013 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

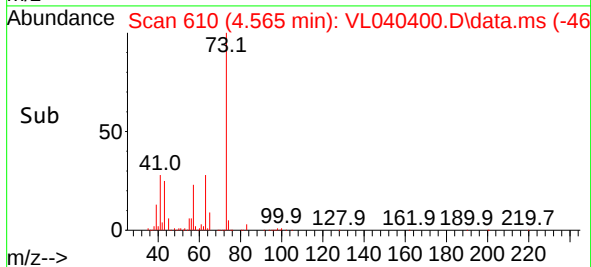
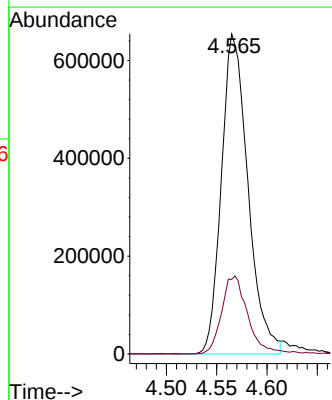
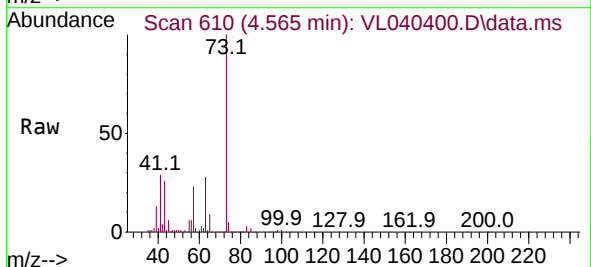
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

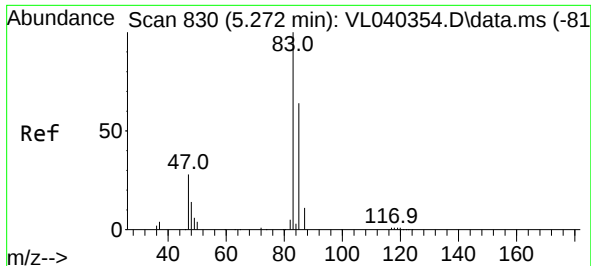
Tgt Ion: 76 Resp: 1531799
Ion Ratio Lower Upper
76 100
44 18.1 14.7 22.1
78 9.6 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 10.356 ppbv
RT: 4.565 min Scan# 610
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 73 Resp: 1201885
Ion Ratio Lower Upper
73 100
57 24.4 18.6 27.8





#29

Chloroform

Concen: 9.767 ppbv

RT: 5.259 min Scan# 81

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

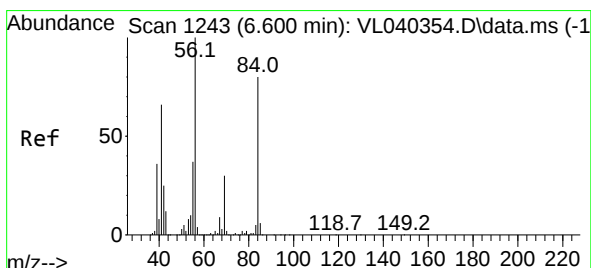
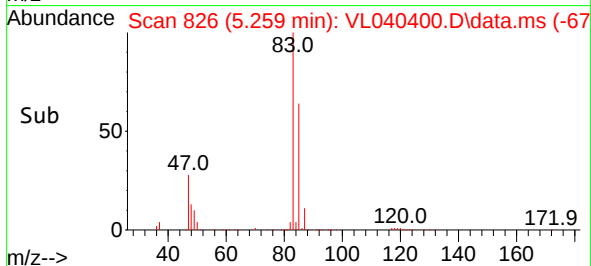
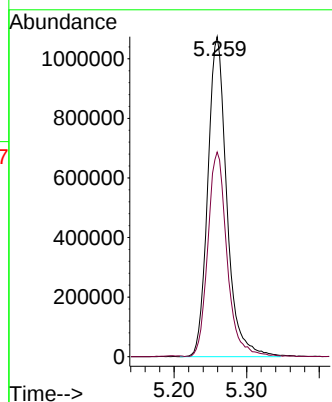
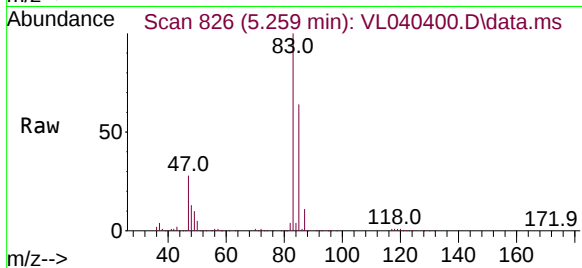
VSTDCCC010

Tgt Ion: 83 Resp: 1956027

Ion Ratio Lower Upper

83 100

85 63.7 51.0 76.4



#30

Cyclohexane

Concen: 11.845 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

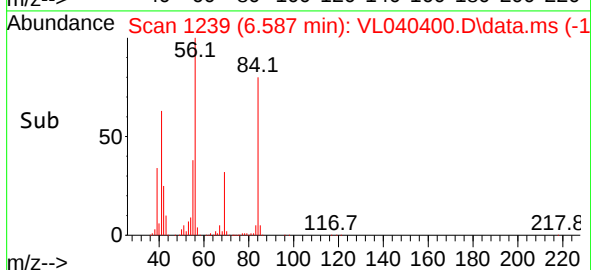
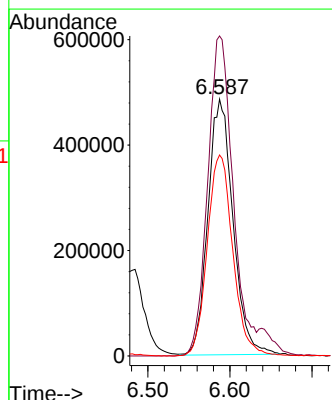
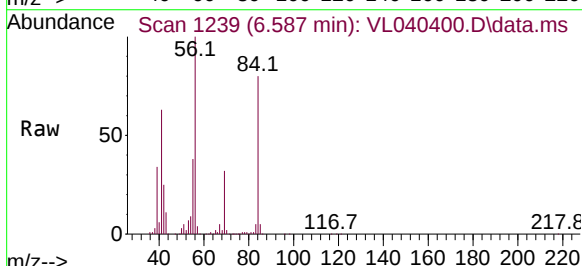
Tgt Ion: 84 Resp: 1031346

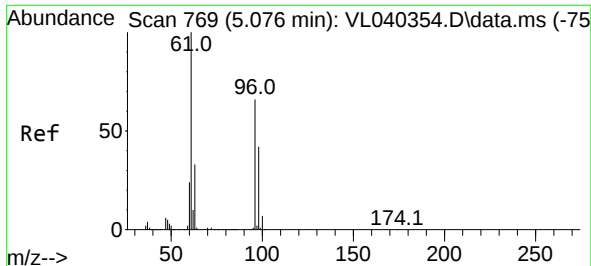
Ion Ratio Lower Upper

84 100

56 133.2 107.0 160.6

41 80.3 66.7 100.1



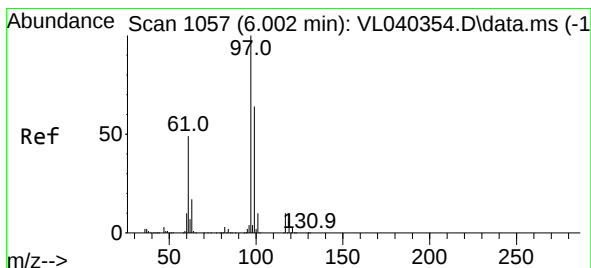
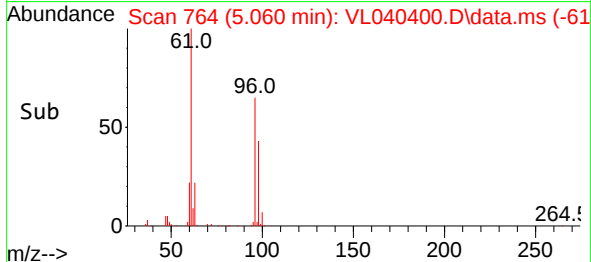
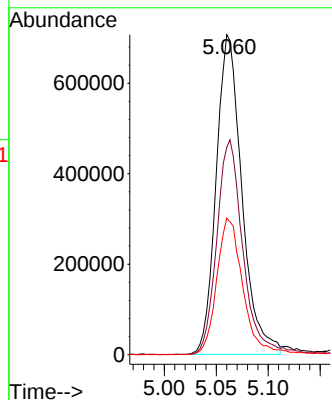
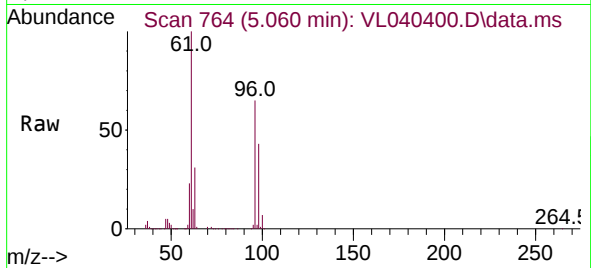


#31
 cis-1,2-Dichloroethene
 Concen: 10.928 ppbv
 RT: 5.060 min Scan# 769
 Delta R.T. -0.016 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 61 Resp: 1217741

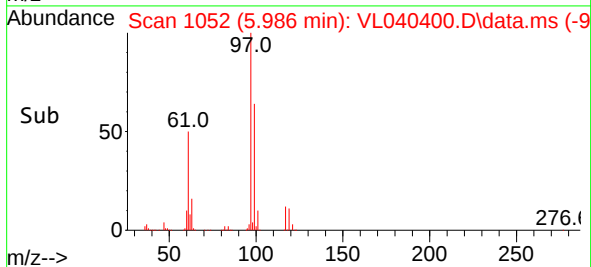
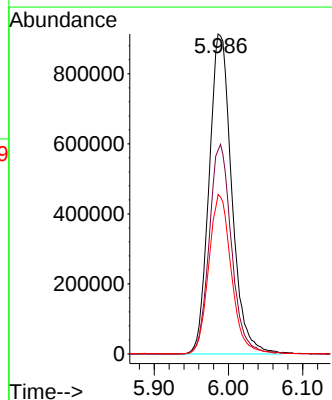
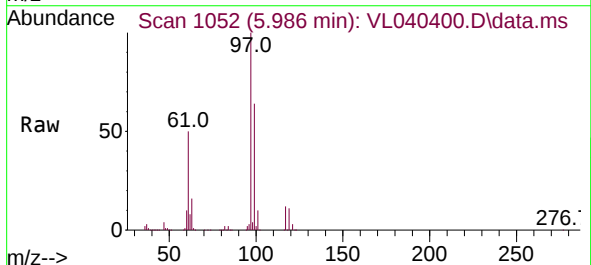
Ion	Ratio	Lower	Upper
61	100		
96	64.8	53.0	79.4
98	42.7	33.8	50.8

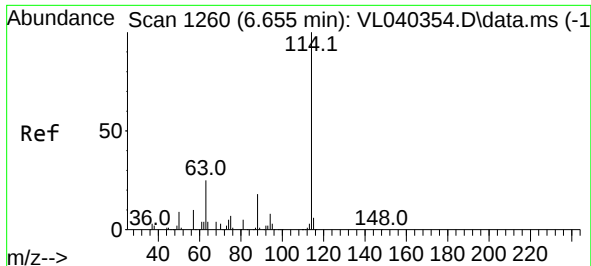


#32
 1,1,1-Trichloroethane
 Concen: 9.942 ppbv
 RT: 5.986 min Scan# 1052
 Delta R.T. -0.016 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Tgt Ion: 97 Resp: 1934582

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.8	77.8
61	50.1	40.4	60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

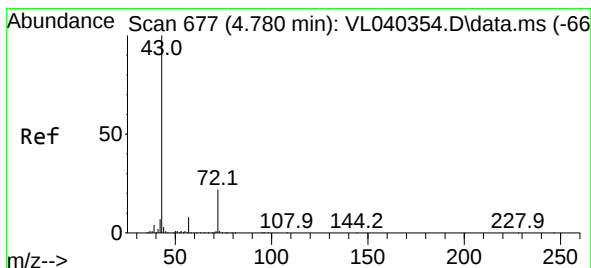
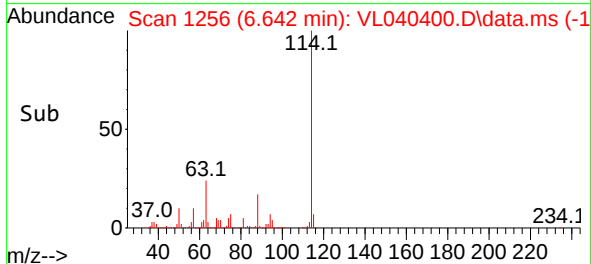
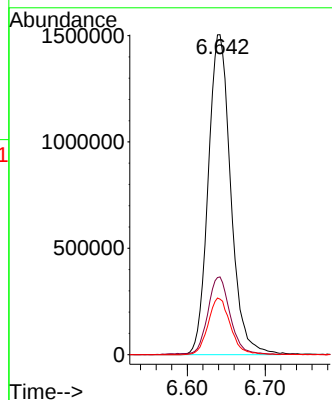
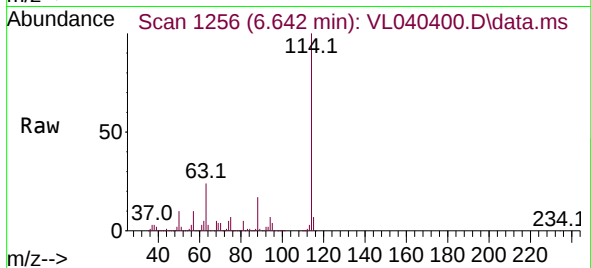
Tgt Ion:114 Resp: 3015740

Ion Ratio Lower Upper

114 100

63 24.6 21.4 32.0

88 17.6 14.6 22.0



#34

2-Butanone

Concen: 8.945 ppbv

RT: 4.767 min Scan# 673

Delta R.T. -0.013 min

Lab File: VL040400.D

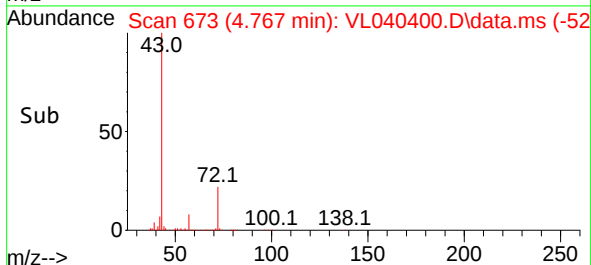
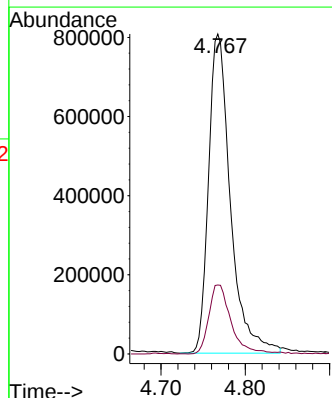
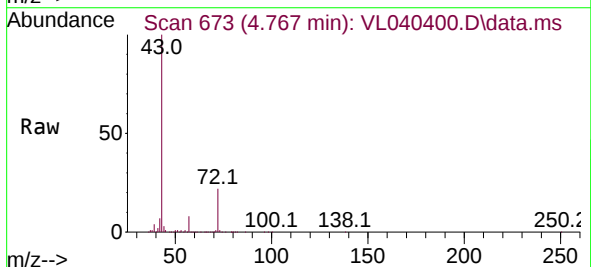
Acq: 11 May 2023 13:59

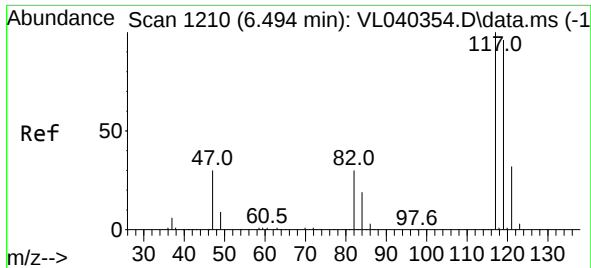
Tgt Ion: 43 Resp: 1454611

Ion Ratio Lower Upper

43 100

72 22.2 18.4 27.6

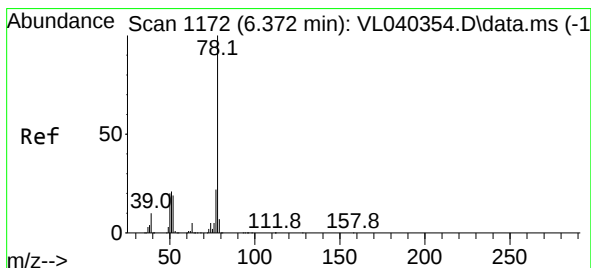
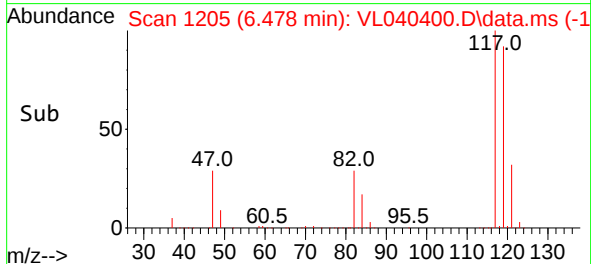
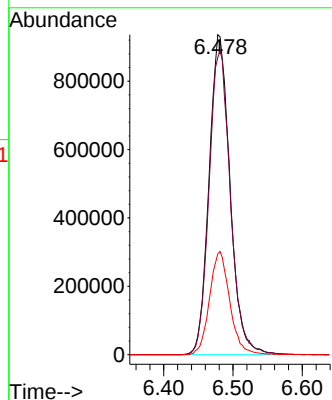
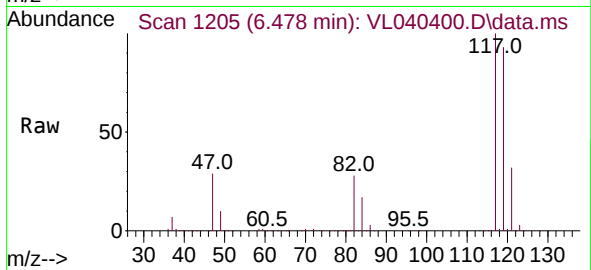




#35
Carbon Tetrachloride
Concen: 9.273 ppbv
RT: 6.478 min Scan# 1167
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

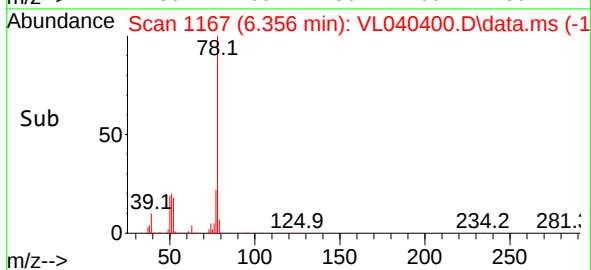
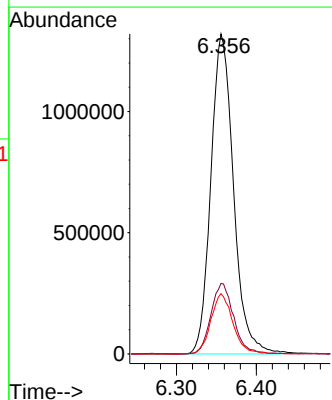
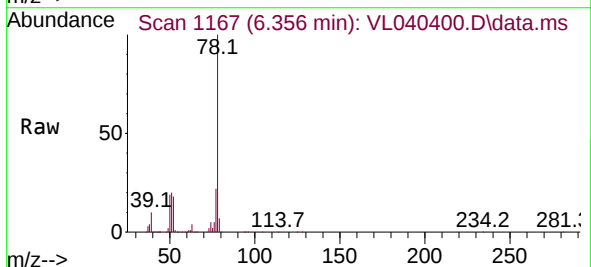
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

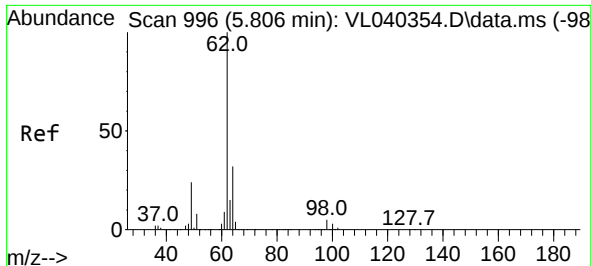
Tgt Ion:117 Resp: 1968646
Ion Ratio Lower Upper
117 100
119 92.9 76.6 114.8
121 31.5 25.3 37.9



#36
Benzene
Concen: 10.535 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 78 Resp: 2592201
Ion Ratio Lower Upper
78 100
77 22.0 17.8 26.8
50 18.8 15.6 23.4

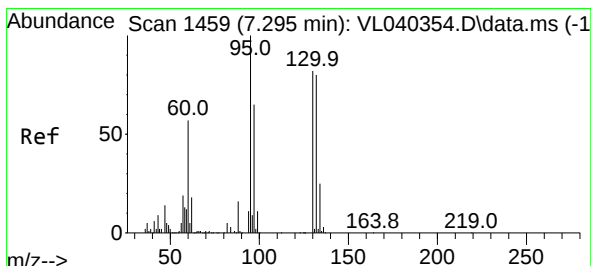
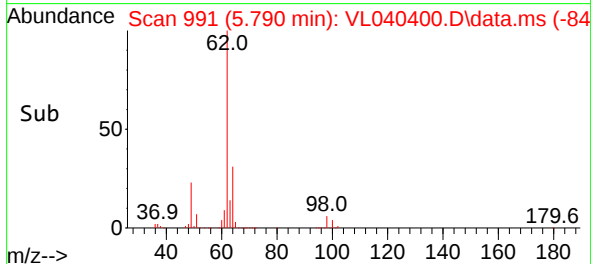
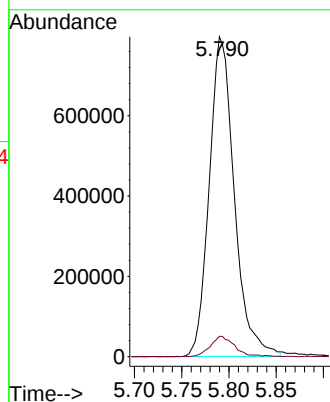
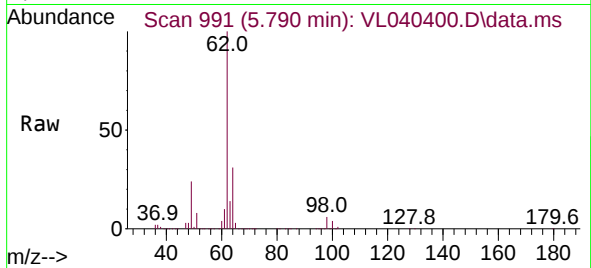




#37
1,2-Dichloroethane
Concen: 9.084 ppbv
RT: 5.790 min Scan# 996
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

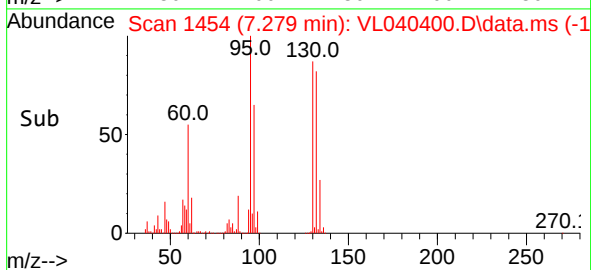
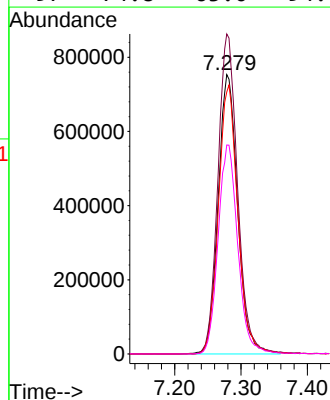
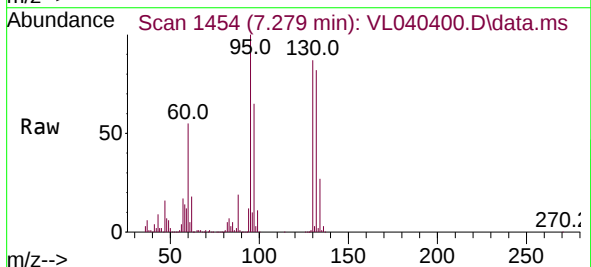
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

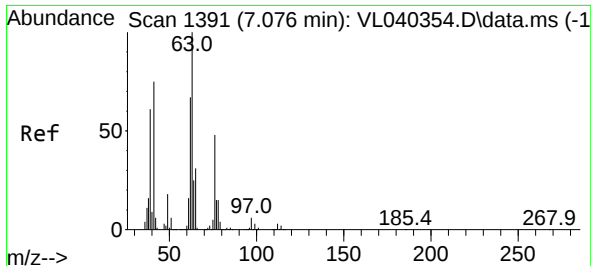
Tgt Ion: 62 Resp: 1468168
Ion Ratio Lower Upper
62 100
98 6.3 4.4 6.6



#38
Trichloroethene
Concen: 11.001 ppbv
RT: 7.279 min Scan# 1454
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion:130 Resp: 1540532
Ion Ratio Lower Upper
130 100
95 114.6 97.4 146.0
132 93.8 77.5 116.3
97 74.8 63.0 94.4





#39

1,2-Dichloropropane

Concen: 10.064 ppbv

RT: 7.060 min Scan# 11

Delta R.T. -0.016 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

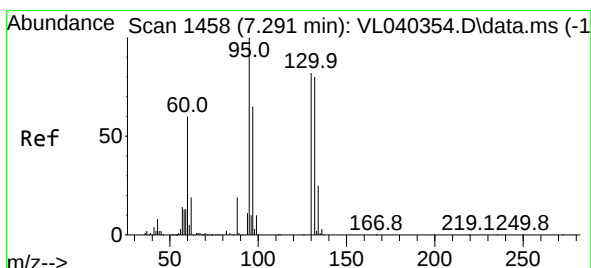
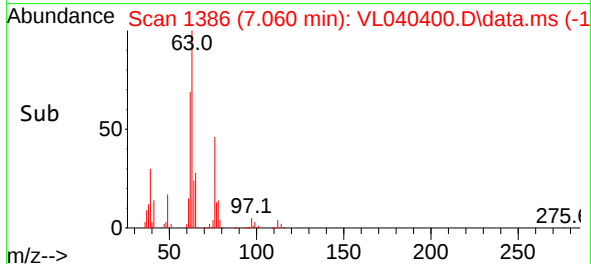
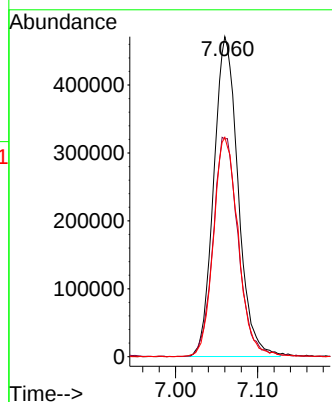
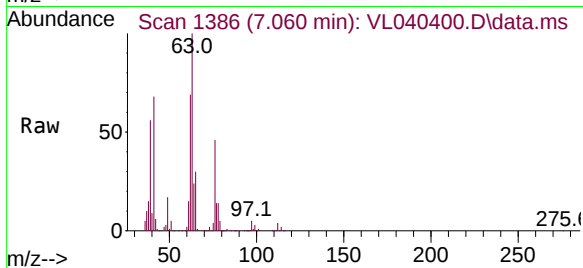
Tgt Ion: 63 Resp: 974299

Ion Ratio Lower Upper

63 100

41 68.0 59.6 89.4

62 68.5 53.9 80.9



#40

1,4-Dioxane

Concen: 10.553 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. -0.019 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Tgt Ion: 88 Resp: 391296

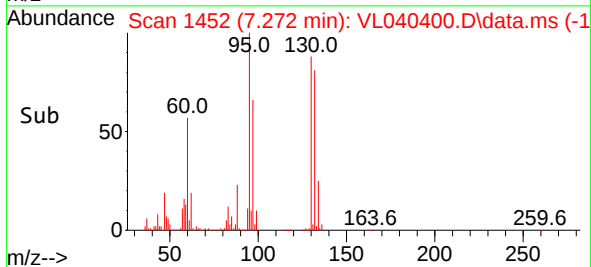
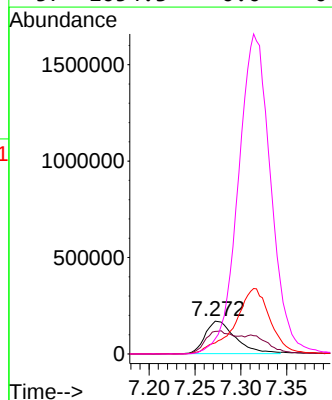
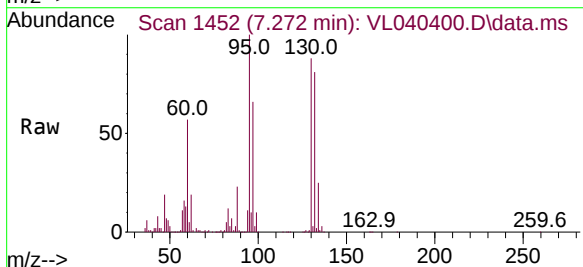
Ion Ratio Lower Upper

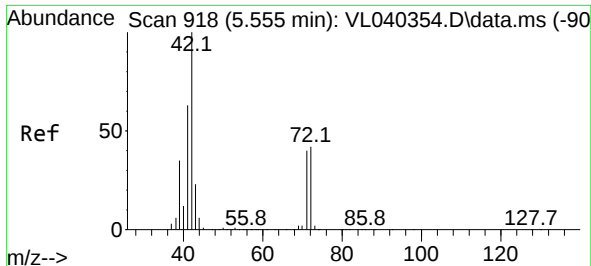
88 100

58 120.1 100.8 151.2

43 234.0 0.0 0.0#

57 1054.3 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.965 ppbv

RT: 5.539 min Scan# 918

Delta R.T. -0.016 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

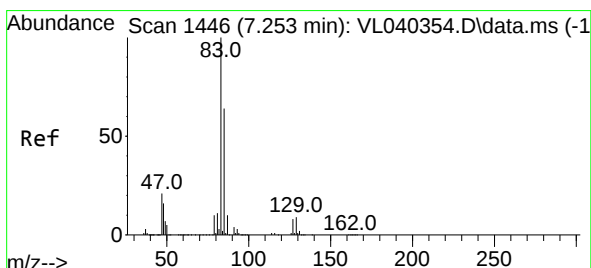
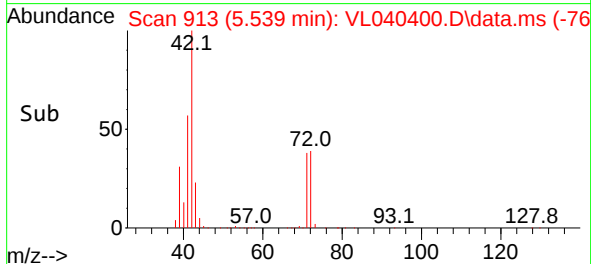
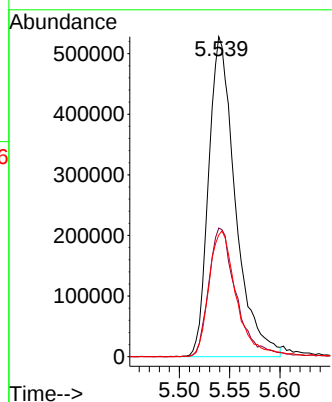
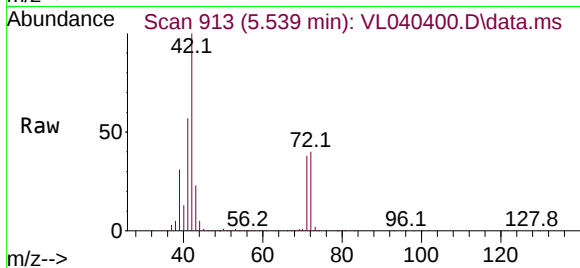
Tgt Ion: 42 Resp: 976510

Ion Ratio Lower Upper

42 100

72 41.9 33.7 50.5

71 40.9 32.2 48.2



#42

Bromodichloromethane

Concen: 9.718 ppbv

RT: 7.237 min Scan# 1441

Delta R.T. -0.016 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

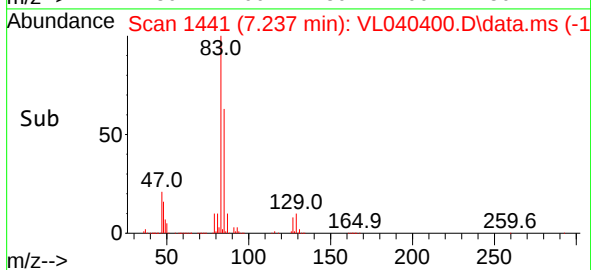
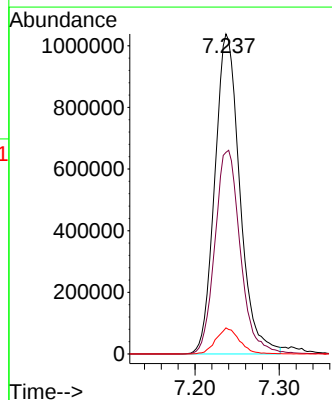
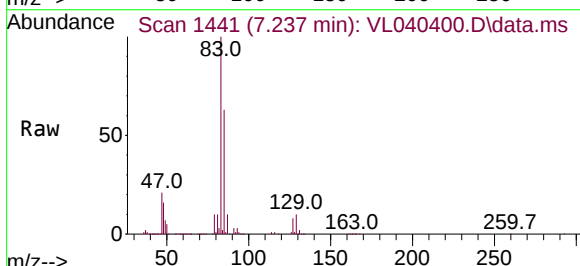
Tgt Ion: 83 Resp: 2144818

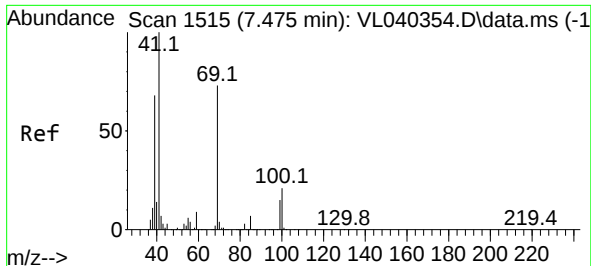
Ion Ratio Lower Upper

83 100

85 63.0 50.9 76.3

127 8.2 6.4 9.6

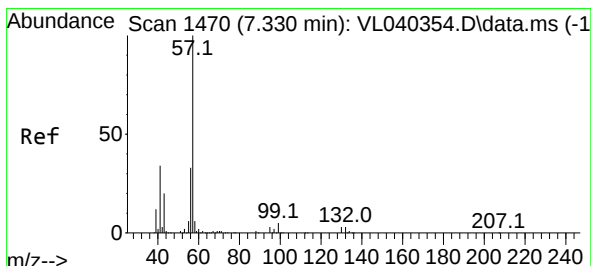
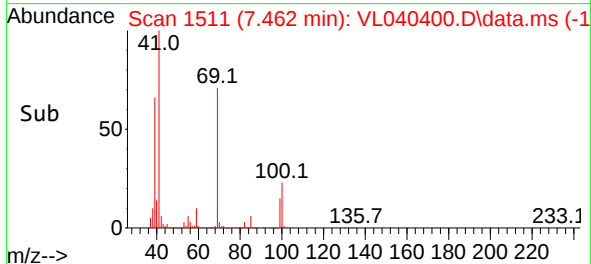
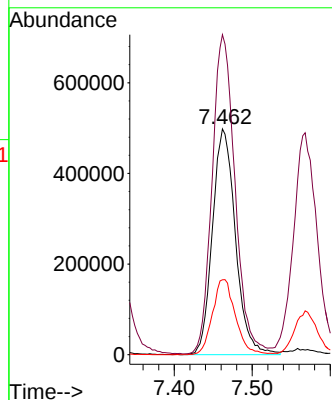
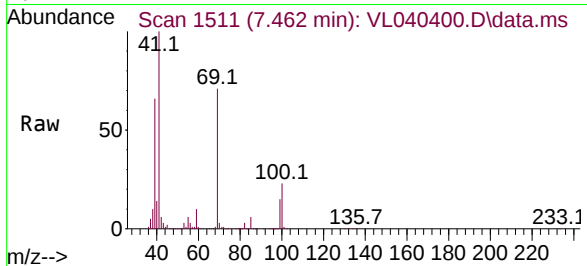




#43
Methyl Methacrylate
Concen: 11.199 ppbv
RT: 7.462 min Scan# 11
Delta R.T. -0.013 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

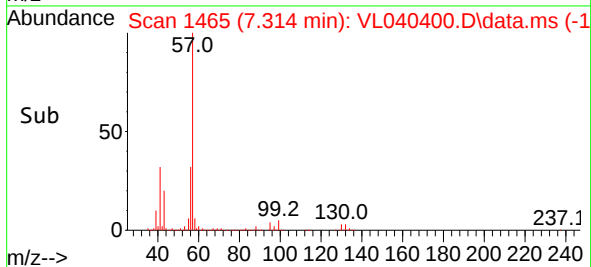
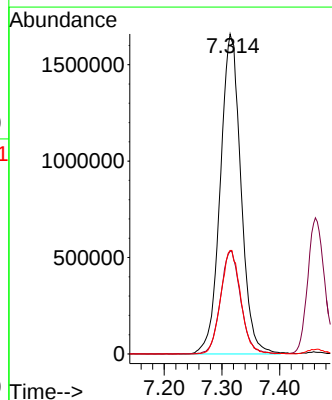
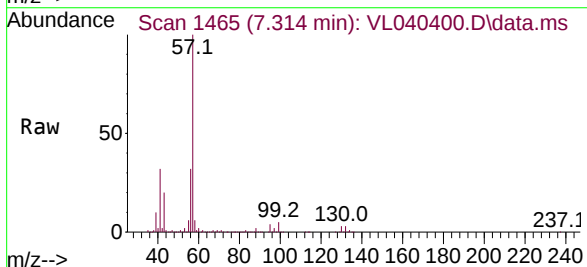
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

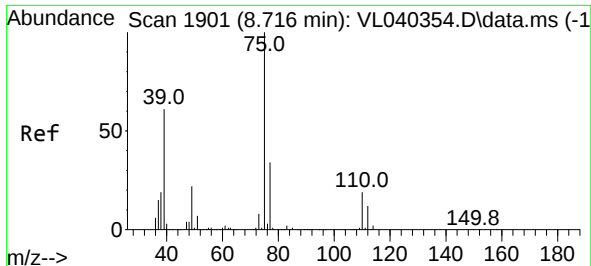
Tgt Ion: 69 Resp: 1023406
Ion Ratio Lower Upper
69 100
41 141.0 114.3 171.5
100 33.1 24.5 36.7



#44
2,2,4-Trimethylpentane
Concen: 10.015 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 57 Resp: 4116092
Ion Ratio Lower Upper
57 100
41 31.7 26.9 40.3
56 31.6 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 12.313 ppbv

RT: 8.697 min Scan# 1

Delta R.T. -0.019 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

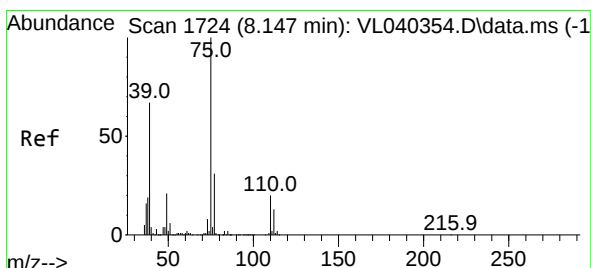
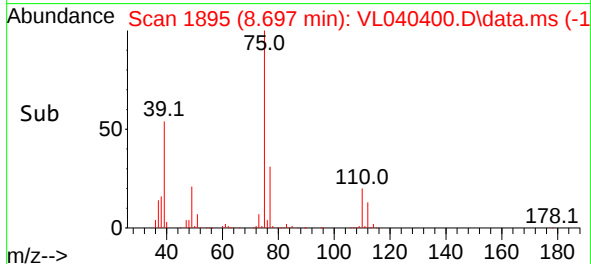
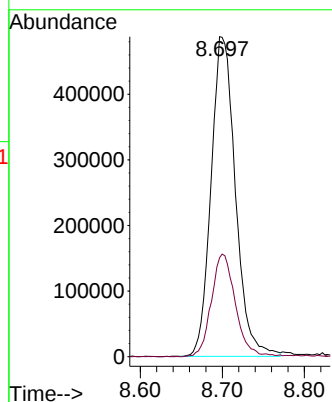
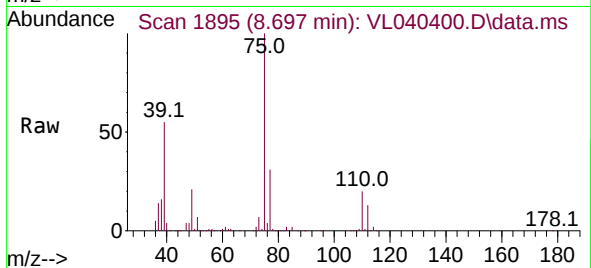
VSTDCCC010

Tgt Ion: 75 Resp: 1005132

Ion Ratio Lower Upper

75 100

77 30.9 26.8 40.2



#46

cis-1,3-Dichloropropene

Concen: 11.702 ppbv

RT: 8.134 min Scan# 1720

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

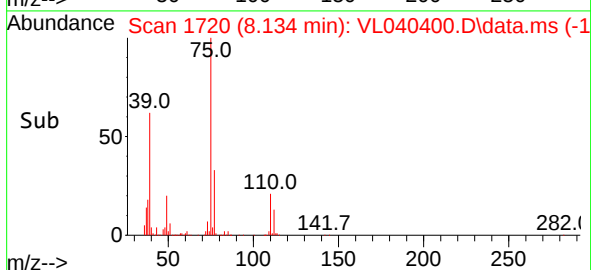
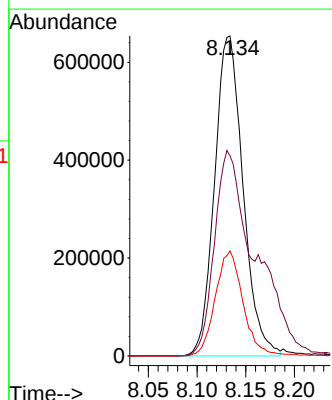
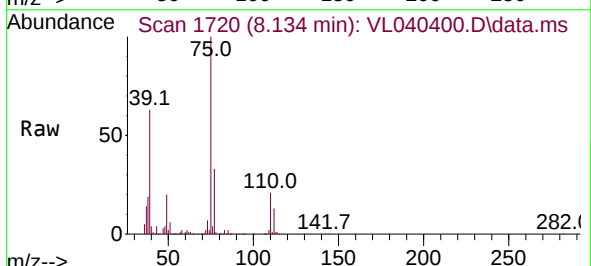
Tgt Ion: 75 Resp: 1329580

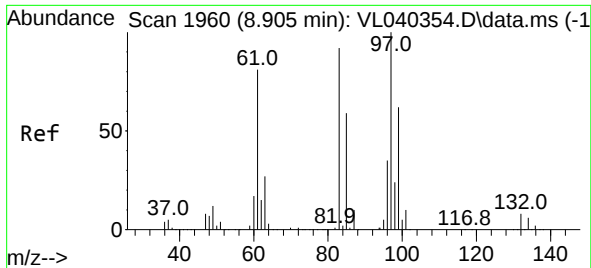
Ion Ratio Lower Upper

75 100

39 62.5 53.4 80.2

77 32.7 24.7 37.1



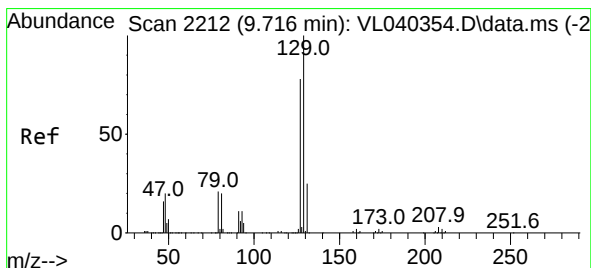
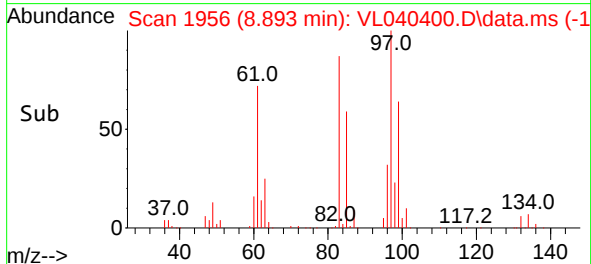
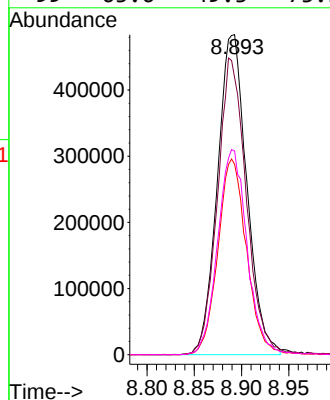
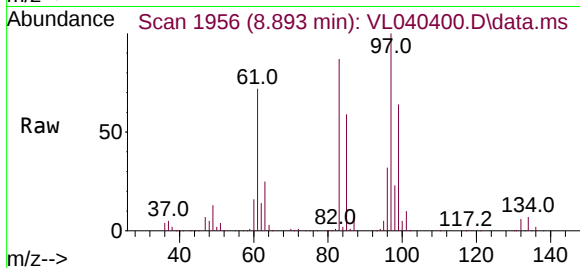


#47
 1,1,2-Trichloroethane
 Concen: 9.861 ppbv
 RT: 8.893 min Scan# 1960
 Delta R.T. -0.012 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1046706

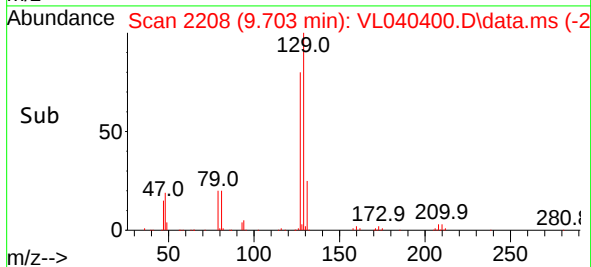
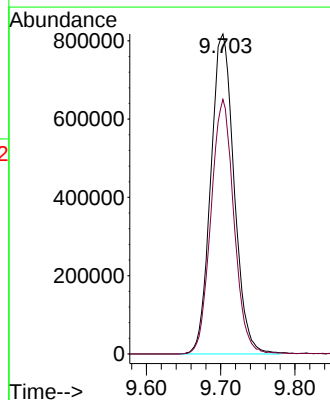
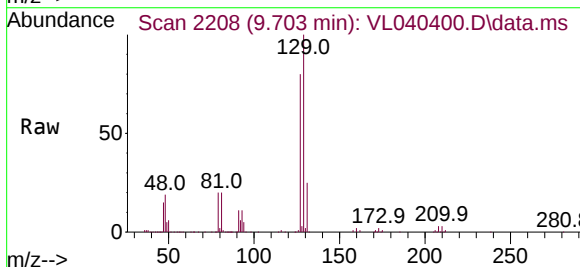
Ion	Ratio	Lower	Upper
97	100		
83	86.6	73.3	109.9
85	59.5	46.9	70.3
99	63.6	49.3	73.9

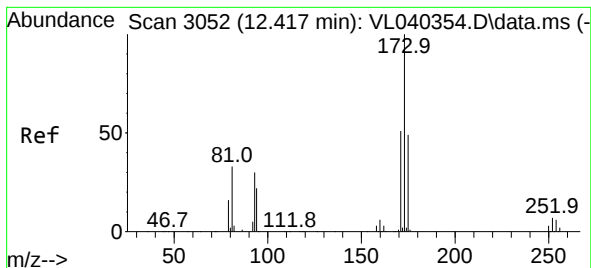


#48
 Dibromochloromethane
 Concen: 10.438 ppbv
 RT: 9.703 min Scan# 2208
 Delta R.T. -0.013 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Tgt Ion: 129 Resp: 1784291

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.2	117.6





#49

Bromoform

Concen: 10.816 ppbv

RT: 12.404 min Scan# 3052

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

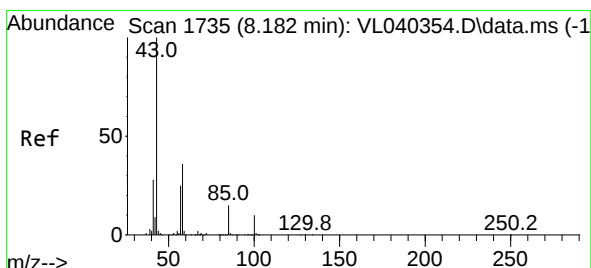
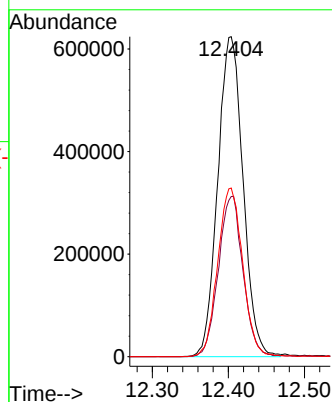
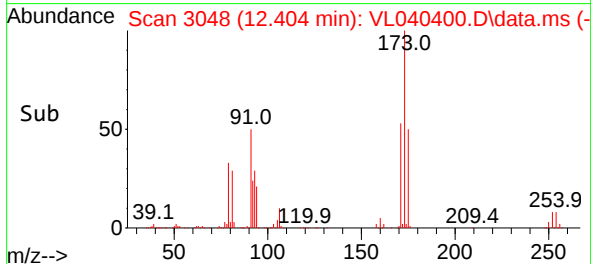
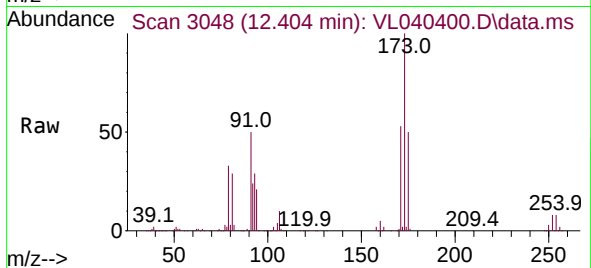
Tgt Ion:173 Resp: 1442124

Ion Ratio Lower Upper

173 100

175 48.8 39.8 59.8

171 52.2 42.2 63.2



#50

4-Methyl-2-Pentanone

Concen: 10.147 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. -0.013 min

Lab File: VL040400.D

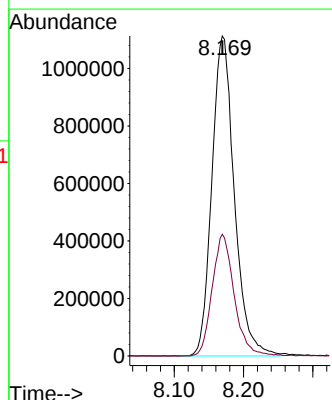
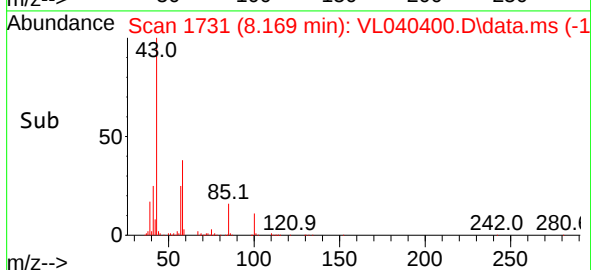
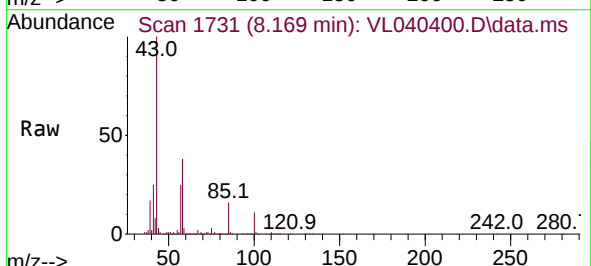
Acq: 11 May 2023 13:59

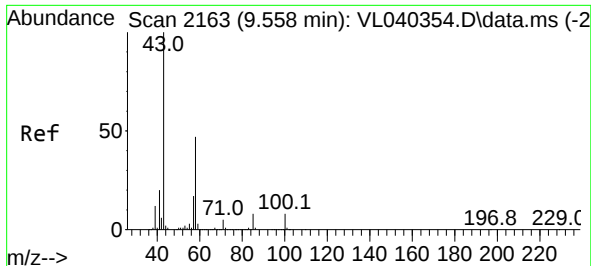
Tgt Ion: 43 Resp: 2501789

Ion Ratio Lower Upper

43 100

58 37.3 28.6 43.0

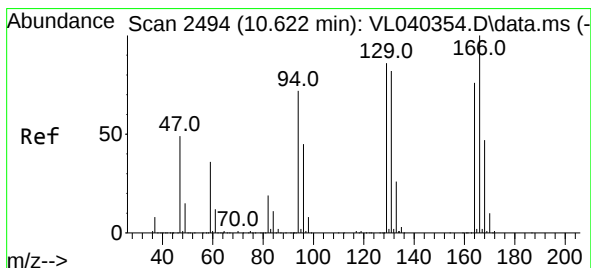
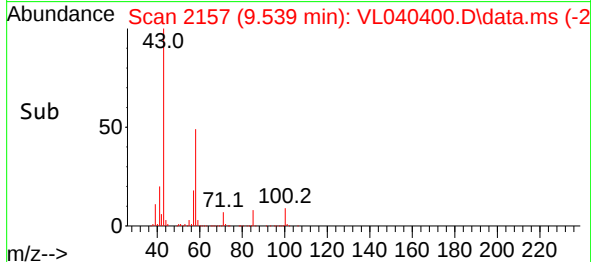
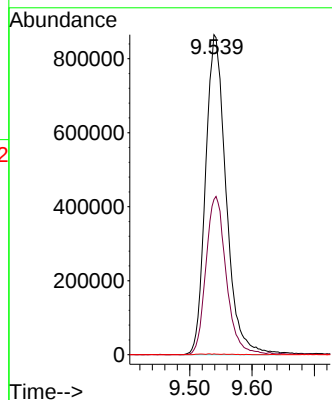
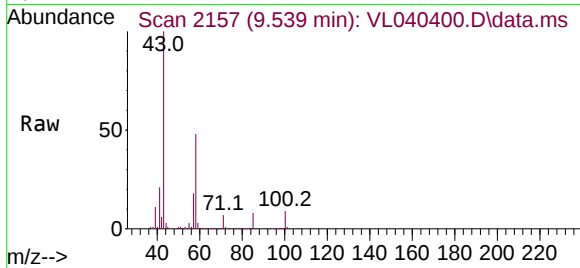




#51
2-Hexanone
Concen: 10.873 ppbv
RT: 9.539 min Scan# 2163
Delta R.T. -0.019 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

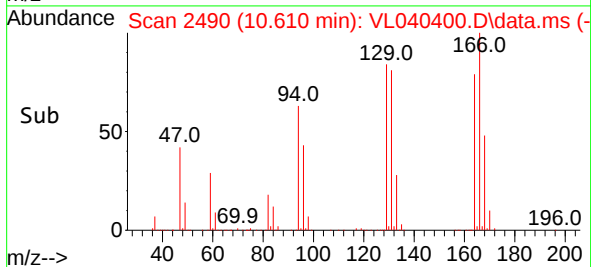
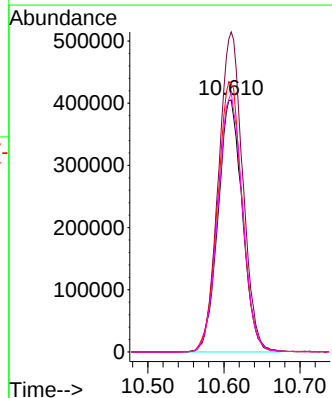
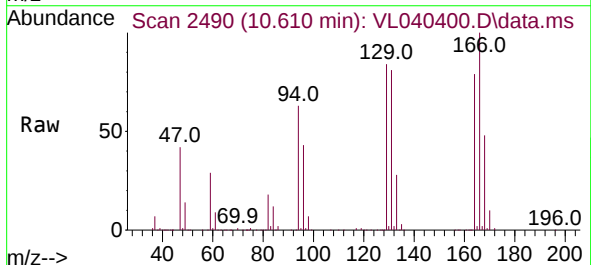
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

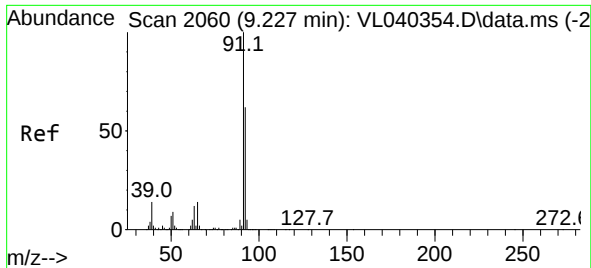
Tgt Ion: 43 Resp: 1981115
Ion Ratio Lower Upper
43 100
58 49.2 38.3 57.5
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 11.642 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.012 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 164 Resp: 896035
Ion Ratio Lower Upper
164 100
166 127.0 105.2 157.8
129 106.3 90.3 135.5
131 103.1 86.7 130.1

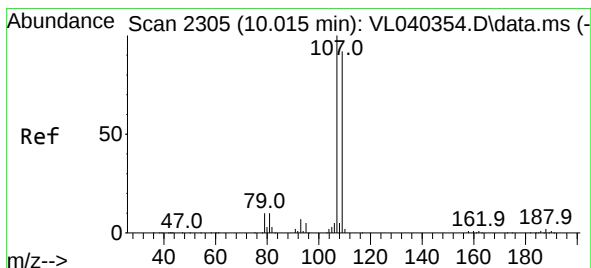
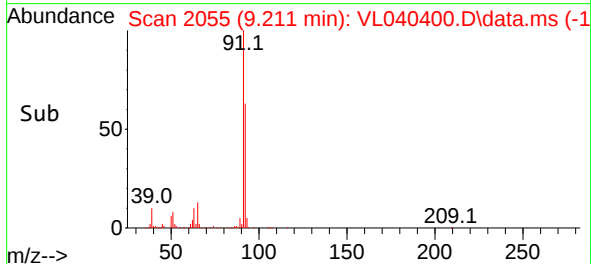
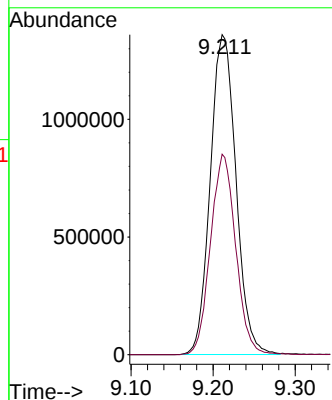
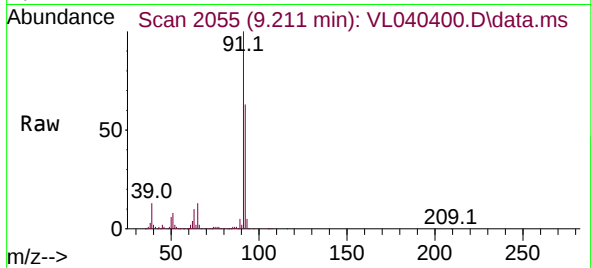




#53
Toluene
Concen: 11.348 ppbv
RT: 9.211 min Scan# 2060
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

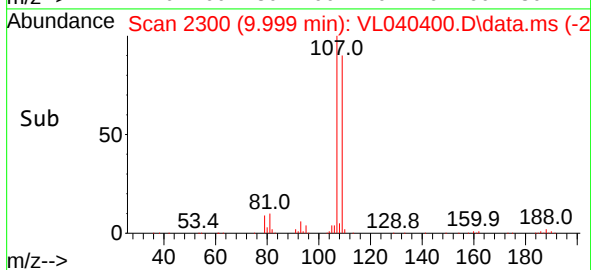
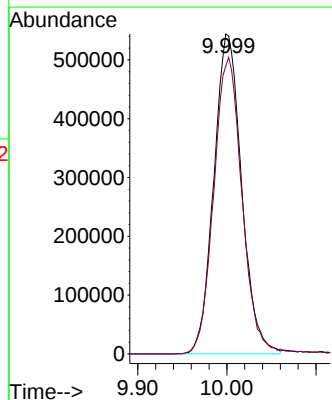
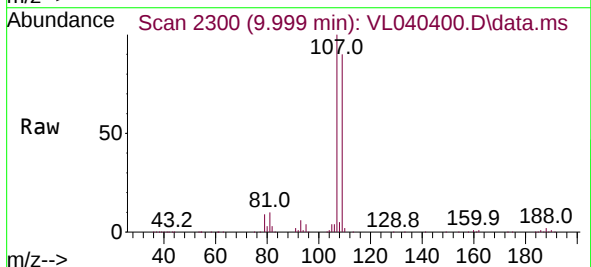
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

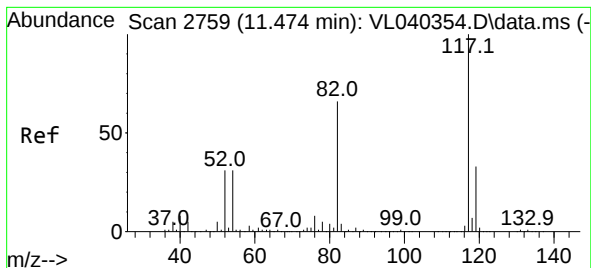
Tgt Ion: 91 Resp: 2960160
Ion Ratio Lower Upper
91 100
92 61.5 48.9 73.3



#54
1,2-Dibromoethane
Concen: 10.937 ppbv
RT: 9.999 min Scan# 2300
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 107 Resp: 1177032
Ion Ratio Lower Upper
107 100
109 89.9 73.6 110.4

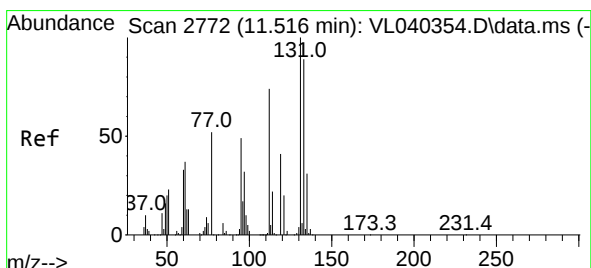
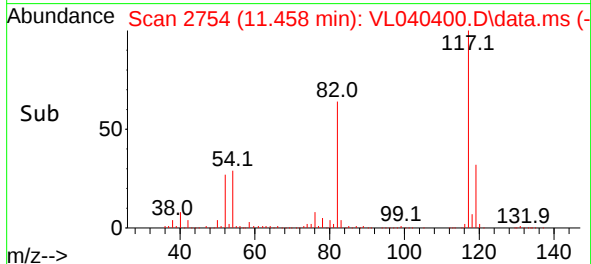
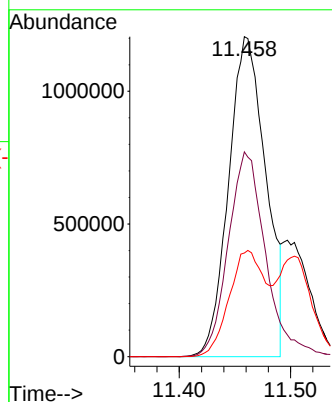
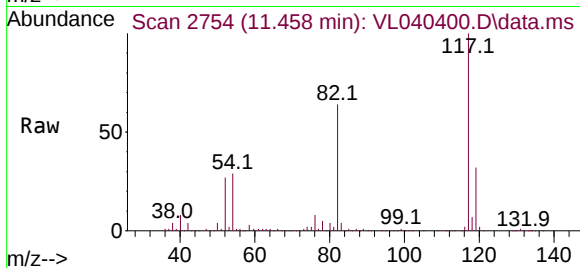




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

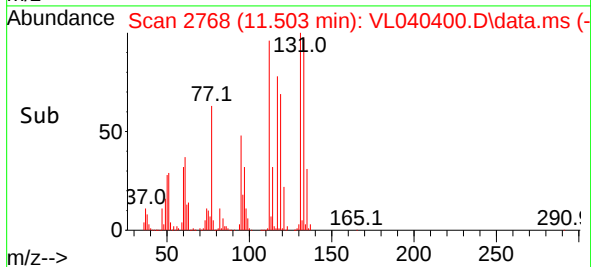
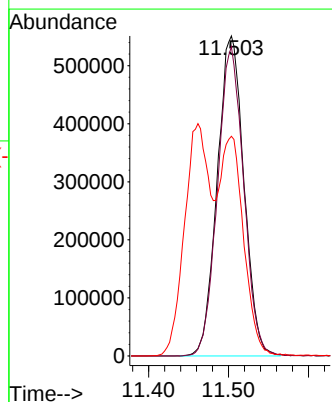
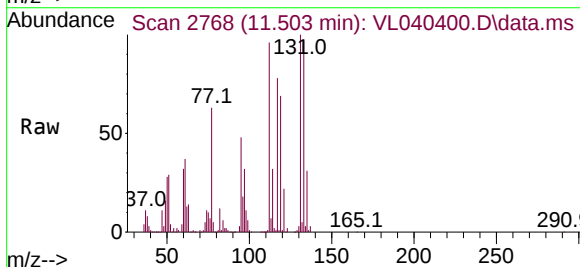
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

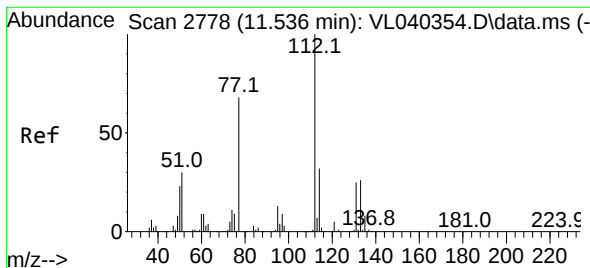
Tgt Ion:117 Resp: 2804183
Ion Ratio Lower Upper
117 100
82 64.6 52.5 78.7
119 33.1 24.3 36.5



#56
1,1,1,2-Tetrachloroethane
Concen: 9.950 ppbv
RT: 11.503 min Scan# 2768
Delta R.T. -0.013 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion:131 Resp: 1273577
Ion Ratio Lower Upper
131 100
133 94.8 75.3 112.9
119 61.1 53.9 80.9





#57

Chlorobenzene

Concen: 10.335 ppbv

RT: 11.520 min Scan# 21

Delta R.T. -0.016 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

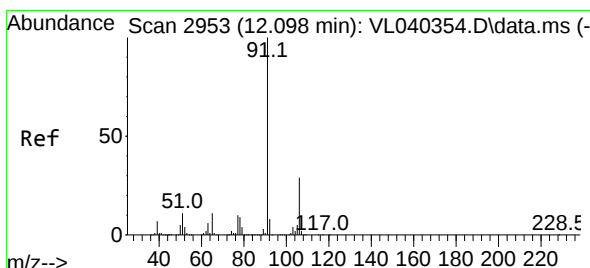
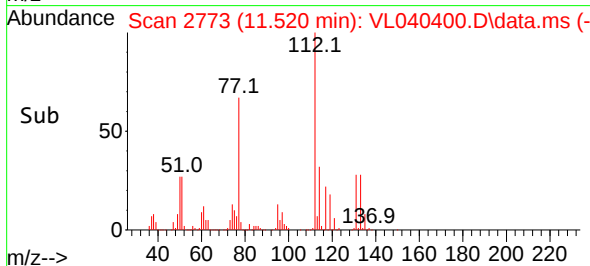
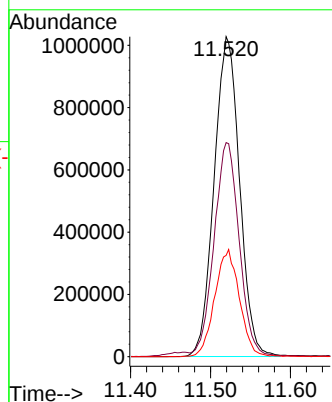
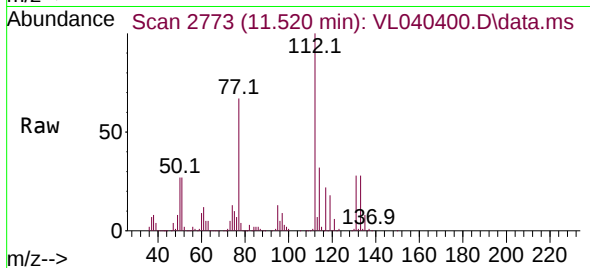
Tgt Ion:112 Resp: 2269193

Ion Ratio Lower Upper

112 100

77 66.5 55.8 83.8

114 31.7 29.1 35.5



#58

Ethyl Benzene

Concen: 11.459 ppbv

RT: 12.082 min Scan# 2948

Delta R.T. -0.016 min

Lab File: VL040400.D

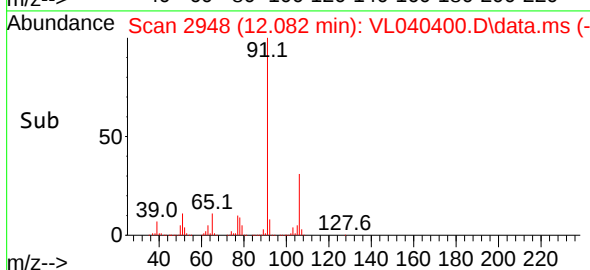
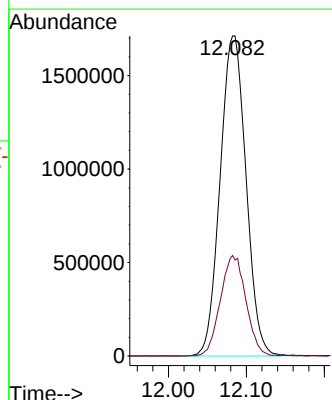
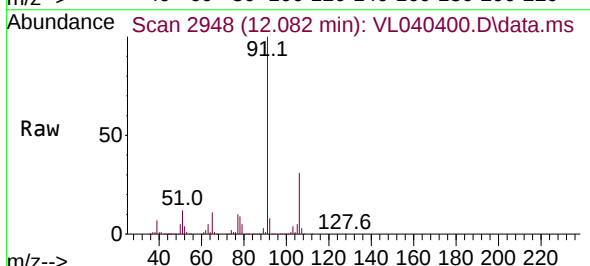
Acq: 11 May 2023 13:59

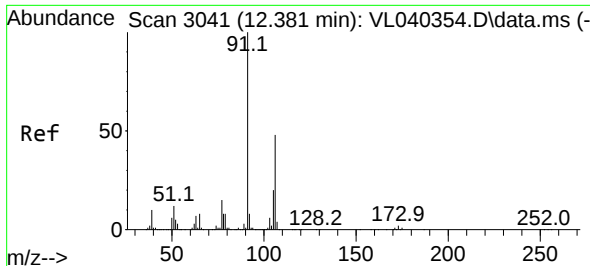
Tgt Ion: 91 Resp: 3952726

Ion Ratio Lower Upper

91 100

106 31.4 23.5 35.3





#59

m/p-Xylene

Concen: 11.307 ppbv

RT: 12.368 min Scan# 3041

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

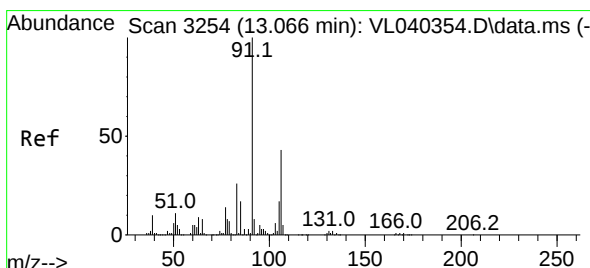
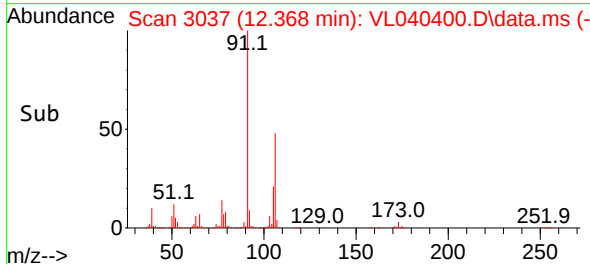
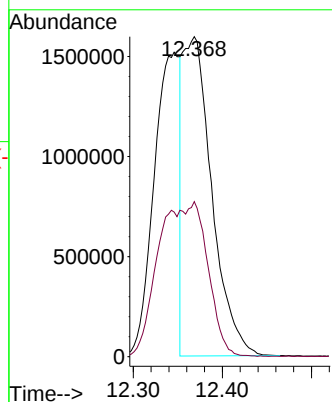
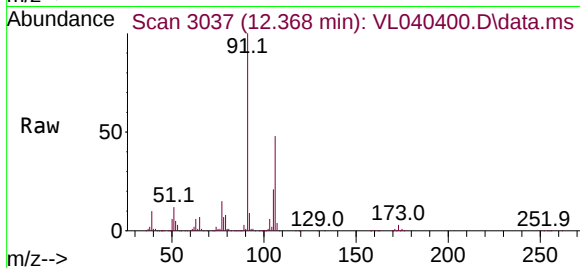
VSTDCCC010

Tgt Ion: 91 Resp: 3586882

Ion Ratio Lower Upper

91 100

106 83.0 34.7 52.1#



#60

o-Xylene

Concen: 10.539 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.013 min

Lab File: VL040400.D

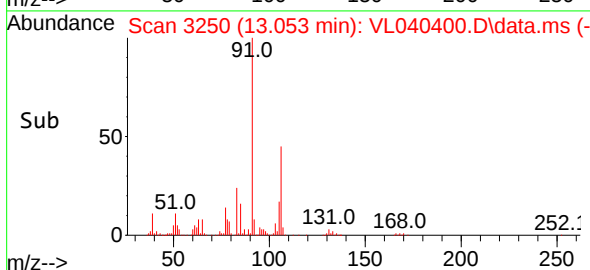
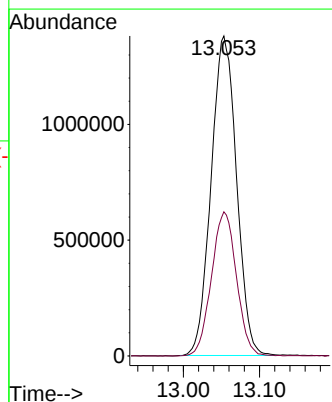
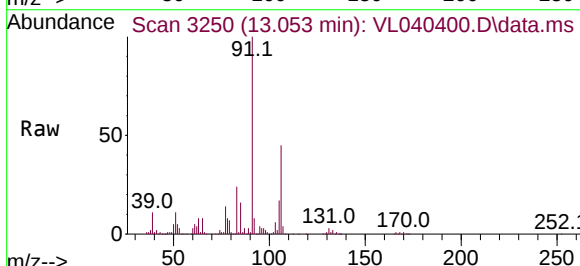
Acq: 11 May 2023 13:59

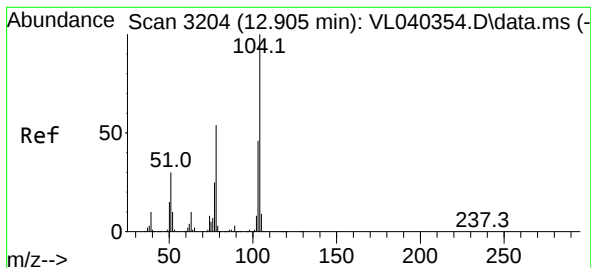
Tgt Ion: 91 Resp: 3208550

Ion Ratio Lower Upper

91 100

106 44.5 21.9 65.8





#61

Styrene

Concen: 12.814 ppbv

RT: 12.892 min Scan# 31

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

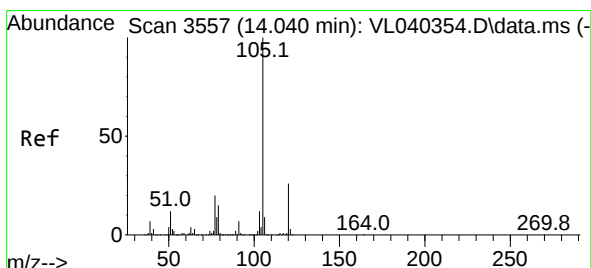
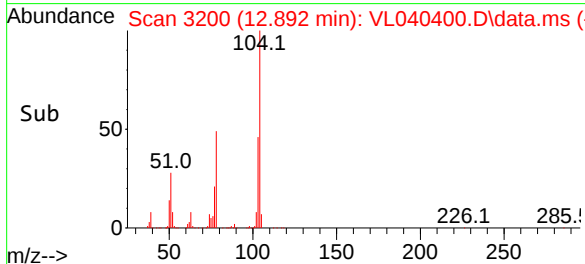
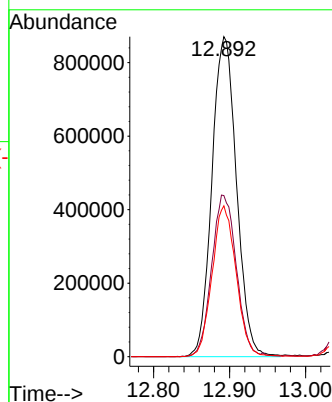
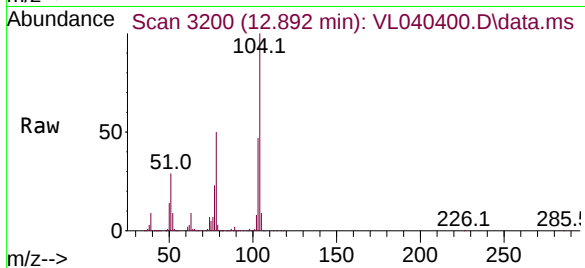
Tgt Ion:104 Resp: 1954154

Ion Ratio Lower Upper

104 100

78 50.9 43.4 65.0

103 46.3 37.0 55.4



#62

Isopropylbenzene

Concen: 10.311 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.016 min

Lab File: VL040400.D

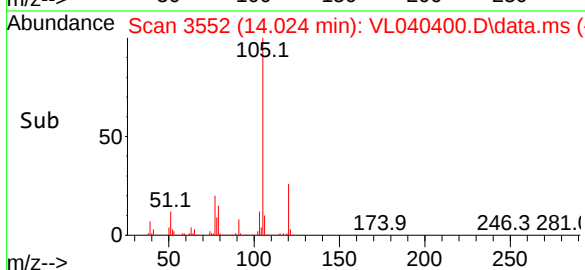
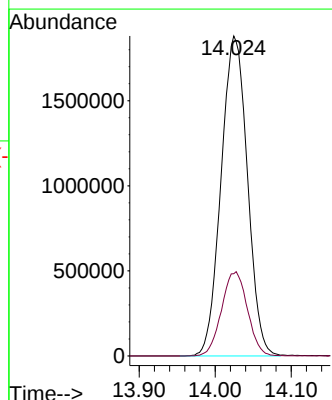
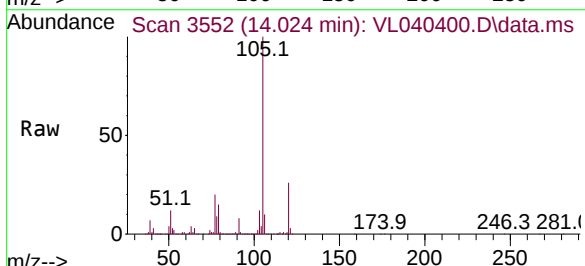
Acq: 11 May 2023 13:59

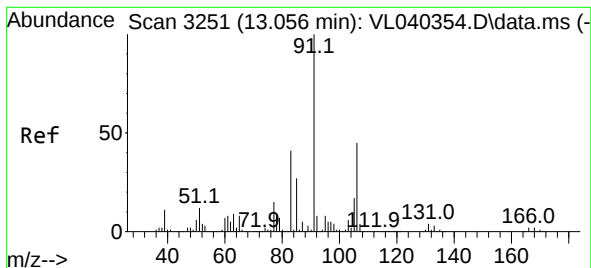
Tgt Ion:105 Resp: 4520997

Ion Ratio Lower Upper

105 100

120 25.9 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 8.923 ppbv

RT: 13.040 min Scan# 31

Delta R.T. -0.016 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

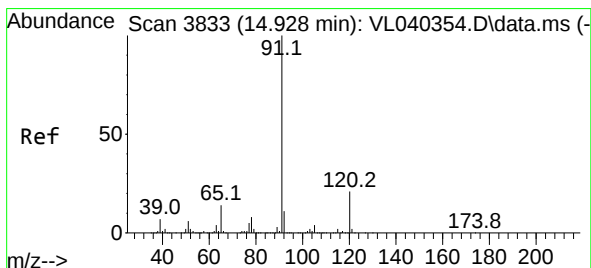
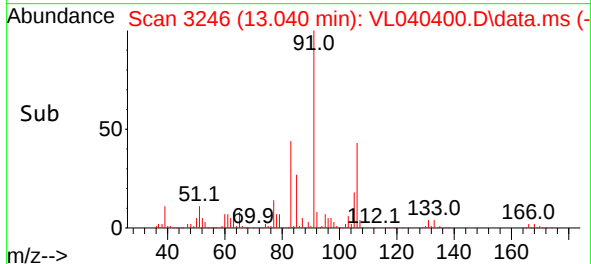
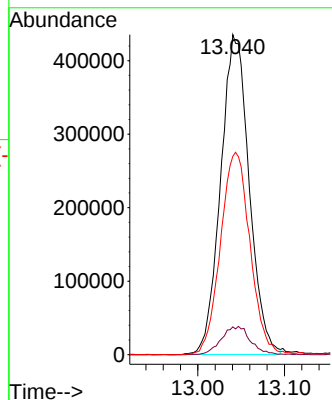
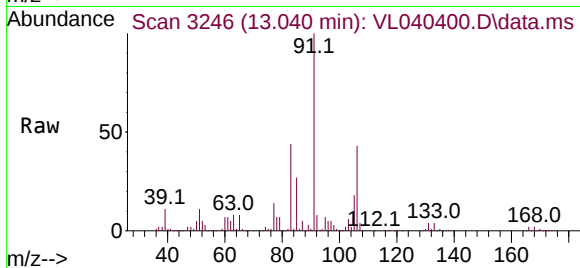
Tgt Ion: 83 Resp: 994162

Ion Ratio Lower Upper

83 100

131 9.1 4.3 13.1

85 66.0 32.9 98.6



#64

n-propylbenzene

Concen: 10.943 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. -0.013 min

Lab File: VL040400.D

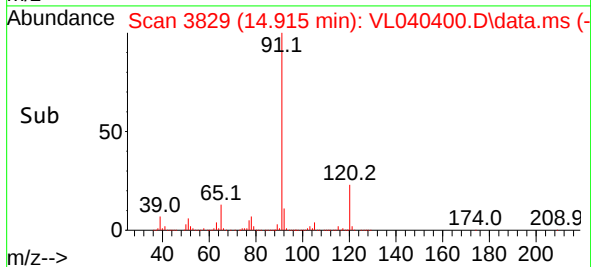
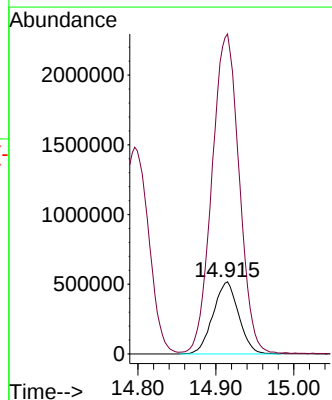
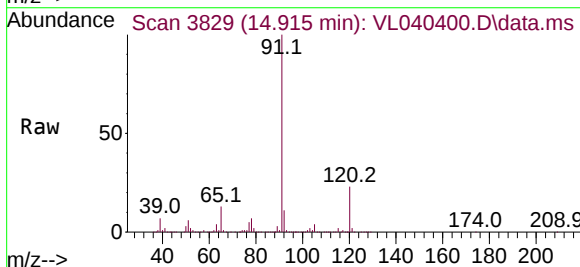
Acq: 11 May 2023 13:59

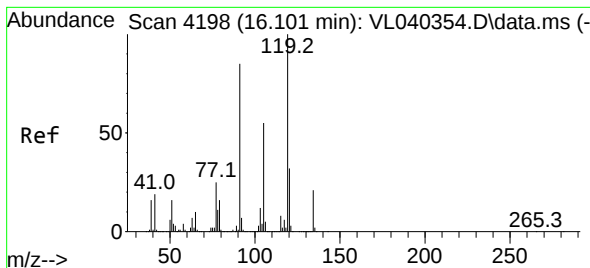
Tgt Ion:120 Resp: 1180599

Ion Ratio Lower Upper

120 100

91 475.0 397.4 596.0

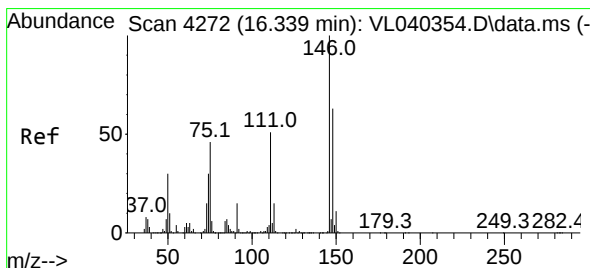
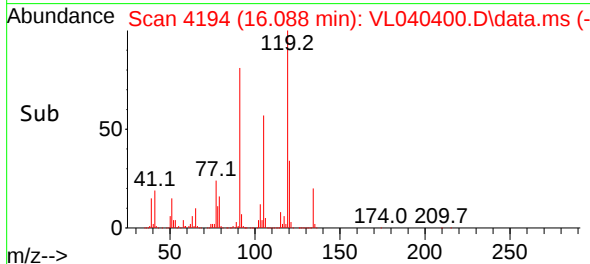
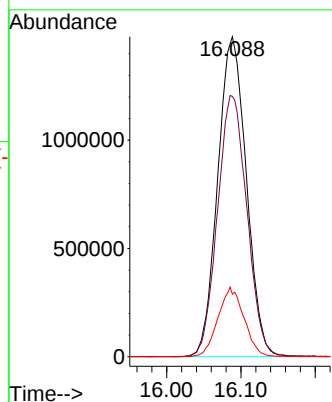
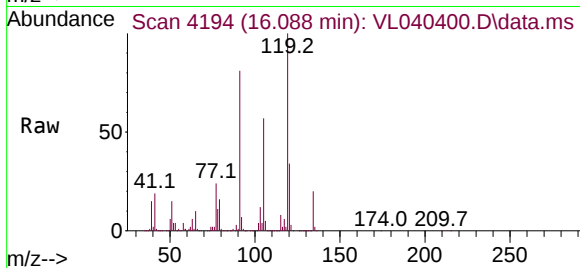




#65
tert-Butylbenzene
Concen: 10.253 ppbv
RT: 16.088 min Scan# 4198
Delta R.T. -0.013 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

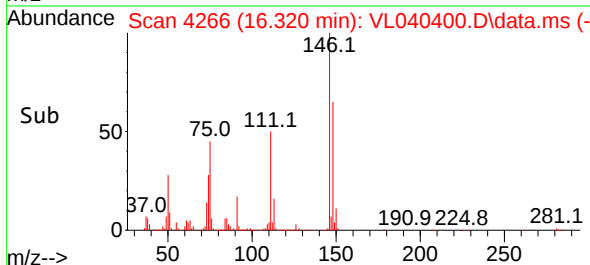
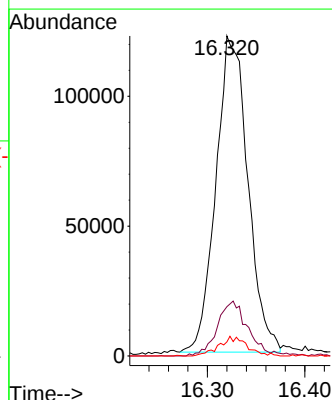
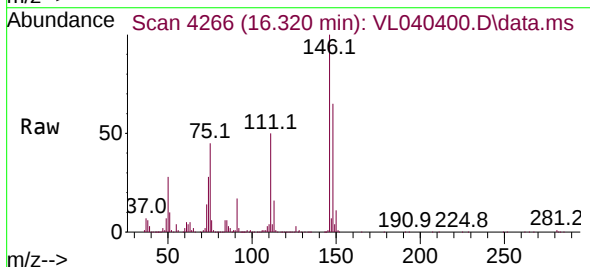
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

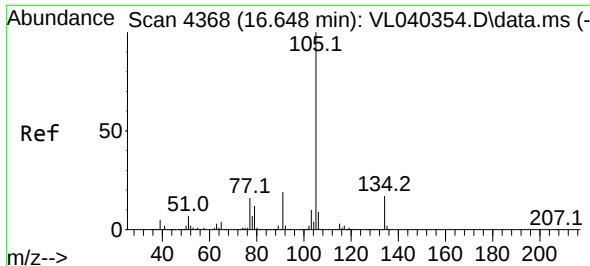
Tgt Ion:119 Resp: 3955052
Ion Ratio Lower Upper
119 100
91 83.9 70.1 105.1
134 19.7 15.6 23.4



#66
Benzyl Chloride
Concen: 11.609 ppbv
RT: 16.320 min Scan# 4266
Delta R.T. -0.019 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 91 Resp: 277254
Ion Ratio Lower Upper
91 100
126 17.0 12.3 18.5
128 5.4 4.1 6.1

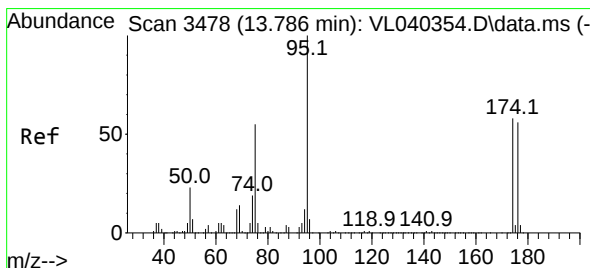
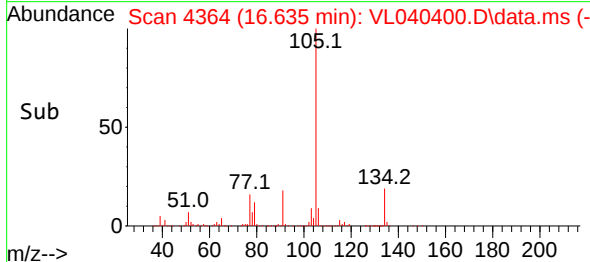
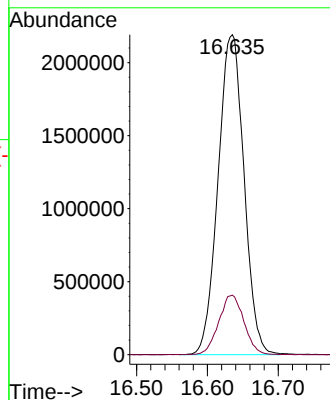
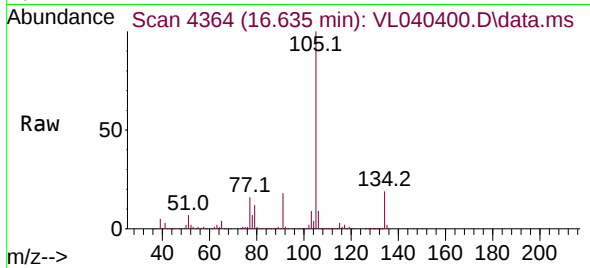




#67
 sec-Butylbenzene
 Concen: 10.061 ppbv
 RT: 16.635 min Scan# 41
 Delta R.T. -0.013 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

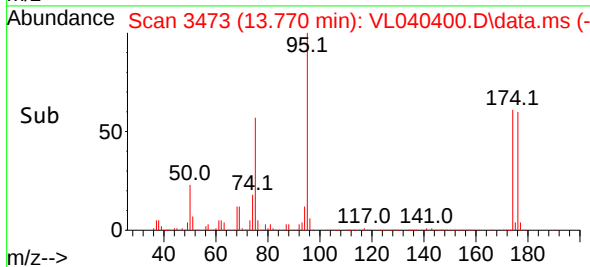
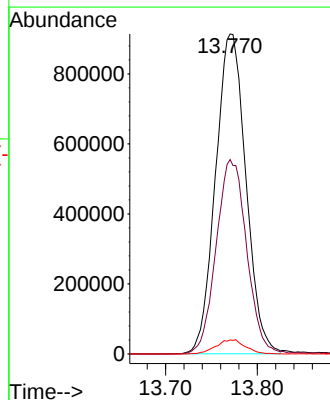
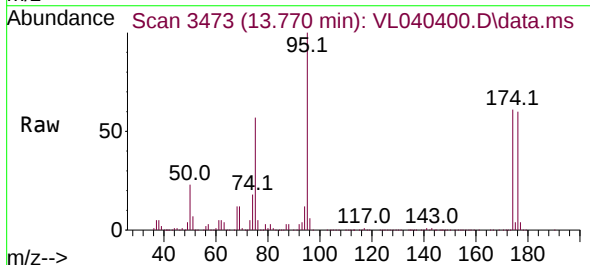
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

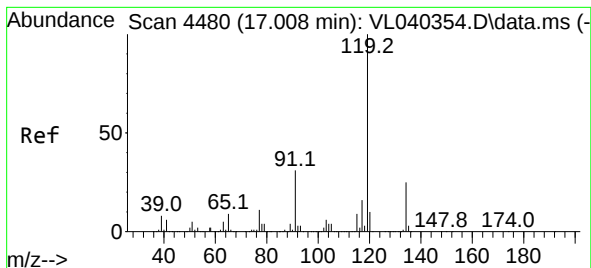
Tgt Ion:105 Resp: 5574358
 Ion Ratio Lower Upper
 105 100
 134 18.2 13.8 20.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.062 ppbv
 RT: 13.770 min Scan# 3473
 Delta R.T. -0.016 min
 Lab File: VL040400.D
 Acq: 11 May 2023 13:59

Tgt Ion: 95 Resp: 2101445
 Ion Ratio Lower Upper
 95 100
 174 61.5 47.2 70.8
 175 4.3 3.5 5.3





#69

p-Isopropyltoluene

Concen: 10.539 ppbv

RT: 16.995 min Scan# 4480

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

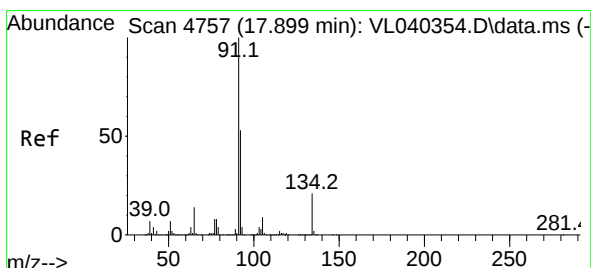
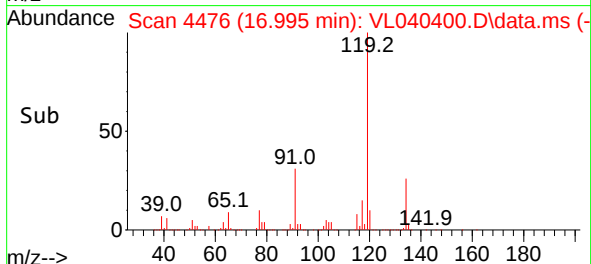
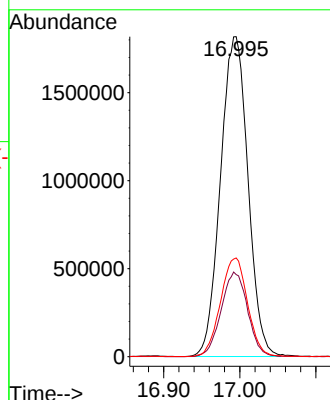
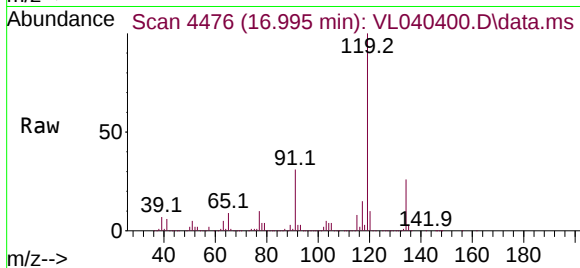
Tgt Ion:119 Resp: 4559475

Ion Ratio Lower Upper

119 100

134 25.6 20.2 30.4

91 30.4 25.7 38.5



#70

n-Butylbenzene

Concen: 10.122 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. -0.016 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

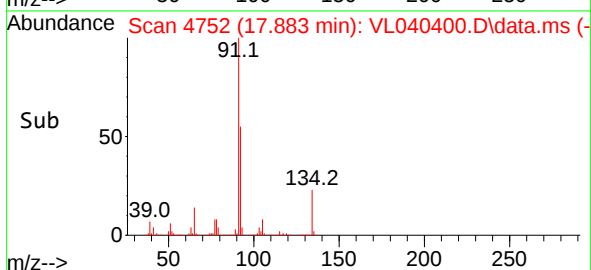
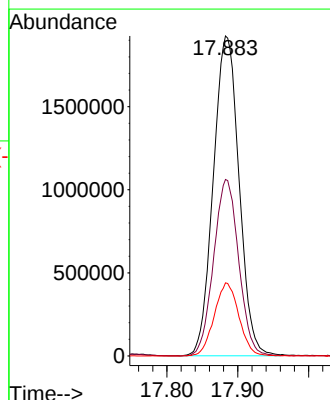
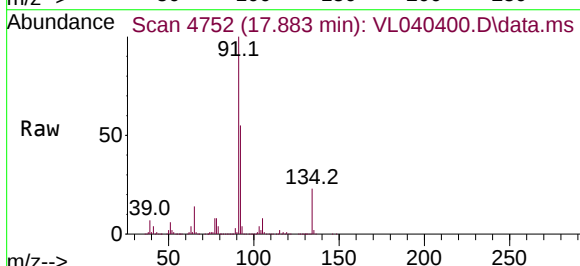
Tgt Ion: 91 Resp: 4854609

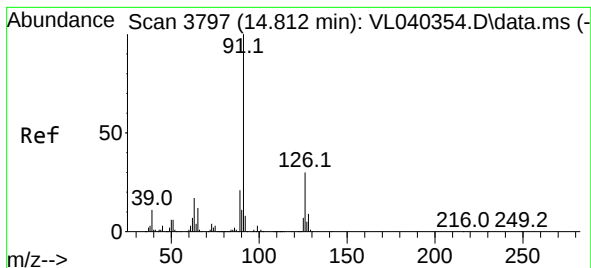
Ion Ratio Lower Upper

91 100

92 53.9 43.0 64.4

134 21.9 16.6 25.0

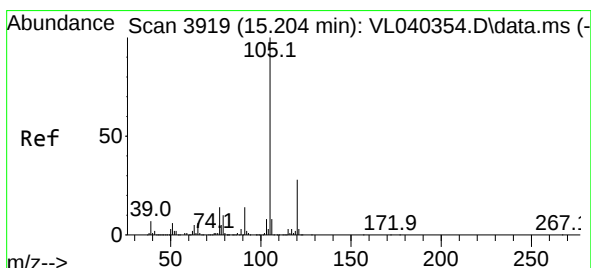
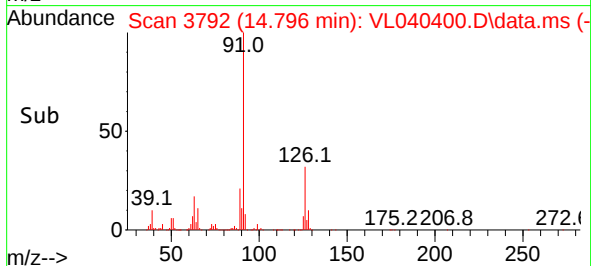
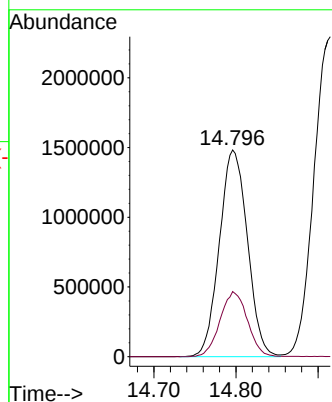
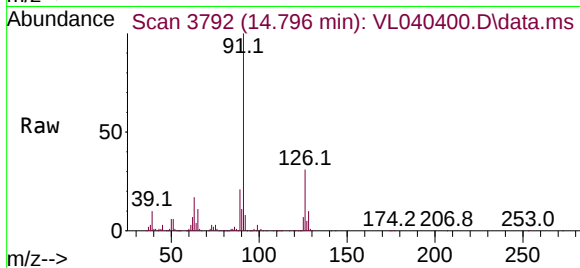




#71
2-Chlorotoluene
Concen: 10.455 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

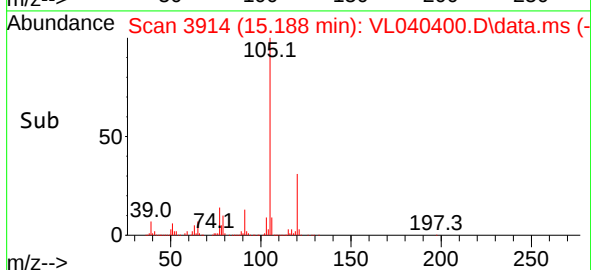
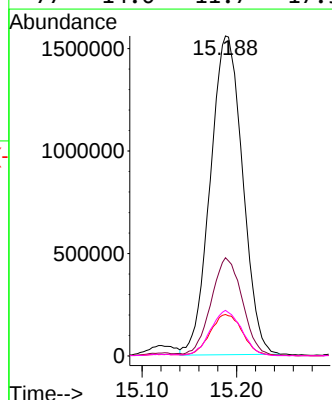
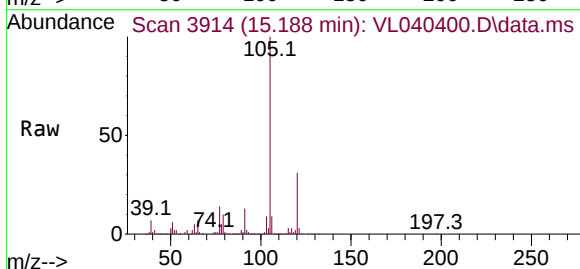
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

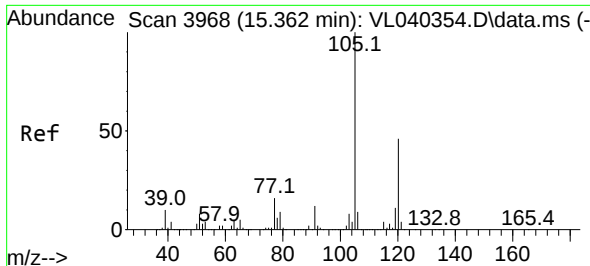
Tgt Ion: 91 Resp: 3519409
Ion Ratio Lower Upper
91 100
126 30.9 11.8 47.4



#72
4-Ethyltoluene
Concen: 10.974 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion: 105 Resp: 3688166
Ion Ratio Lower Upper
105 100
120 30.2 23.0 34.6
91 13.7 11.3 16.9
77 14.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.557 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. -0.013 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

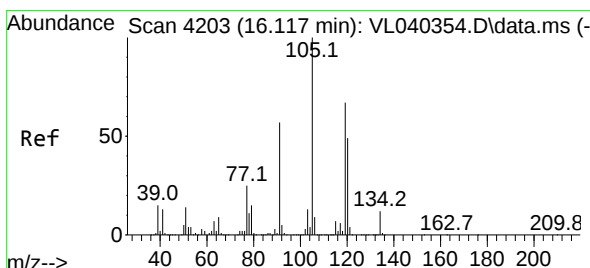
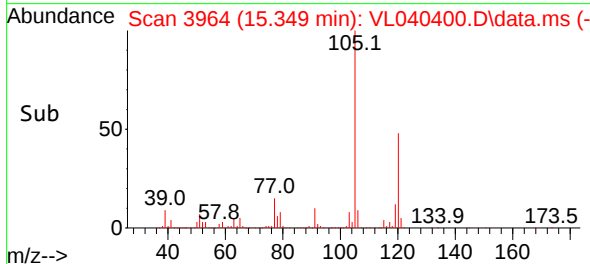
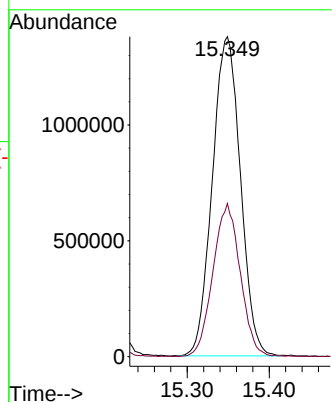
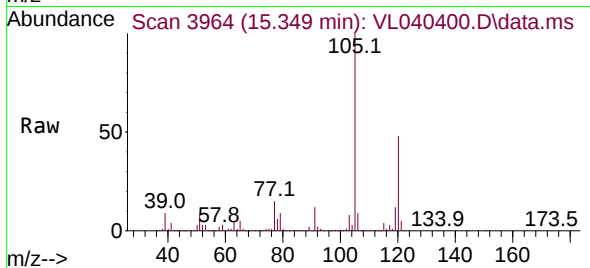
VSTDCCC010

Tgt Ion:105 Resp: 3277623

Ion Ratio Lower Upper

105 100

120 47.9 36.9 55.3



#74

1,2,4-Trimethylbenzene

Concen: 9.968 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. -0.012 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Tgt Ion:105 Resp: 3537001

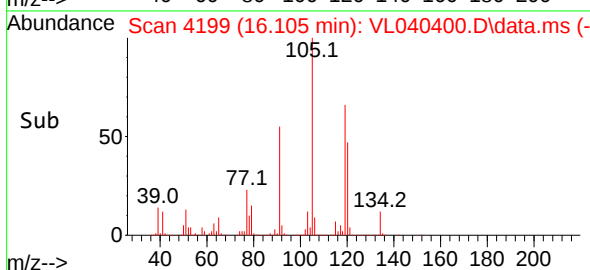
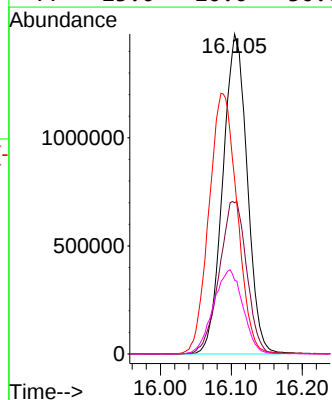
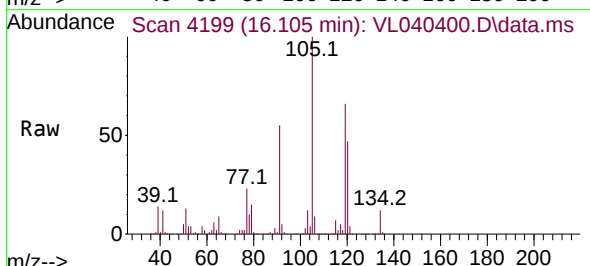
Ion Ratio Lower Upper

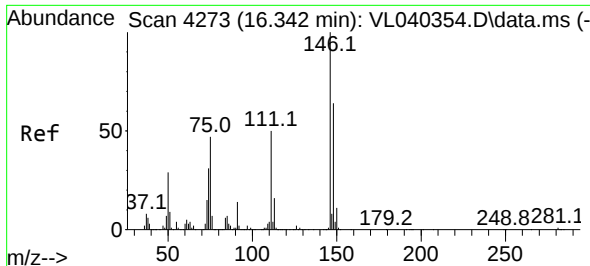
105 100

120 47.2 38.9 58.3

91 54.5 46.0 69.0

77 23.0 20.0 30.0

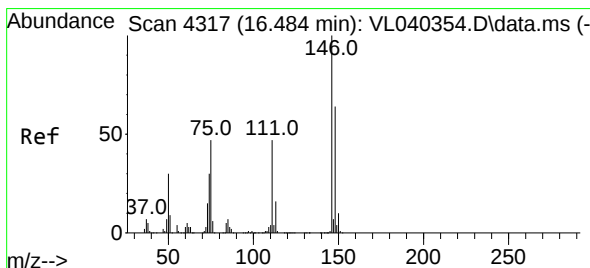
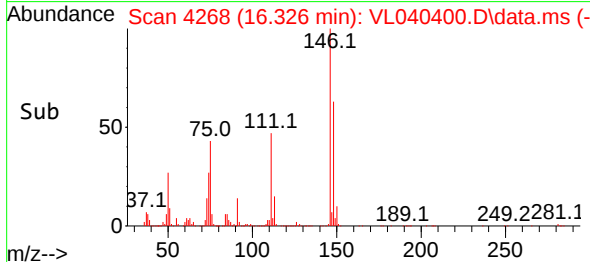
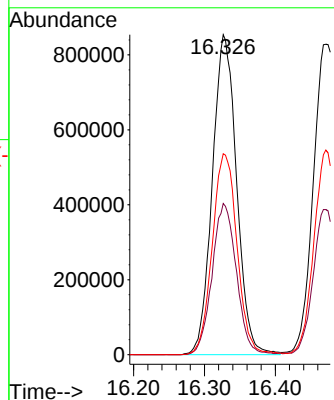
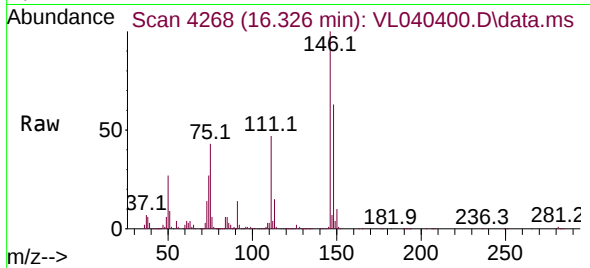




#75
1,3-Dichlorobenzene
Concen: 10.430 ppbv
RT: 16.326 min Scan# 4313
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

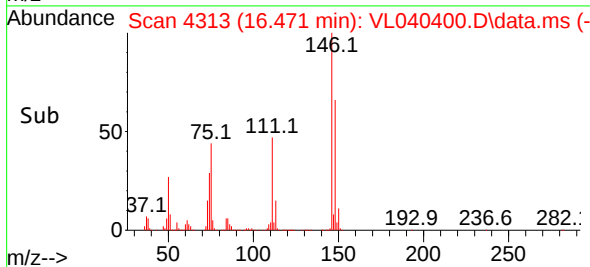
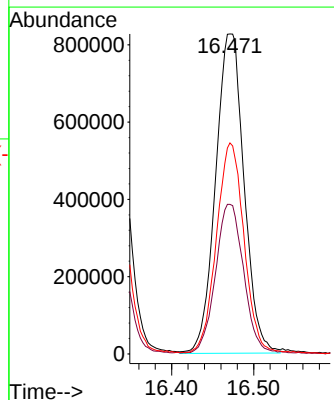
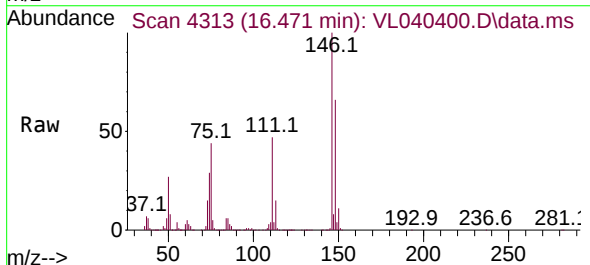
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

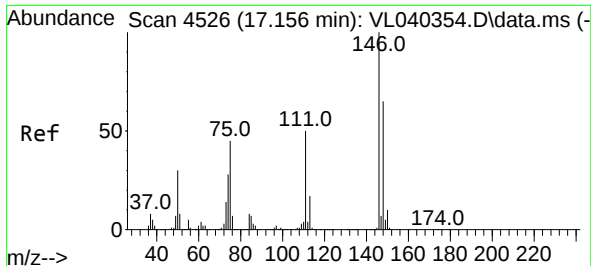
Tgt Ion:146 Resp: 2027281
Ion Ratio Lower Upper
146 100
111 47.5 24.6 74.0
148 64.2 32.1 96.3



#76
1,4-Dichlorobenzene
Concen: 10.389 ppbv
RT: 16.471 min Scan# 4313
Delta R.T. -0.013 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion:146 Resp: 1995105
Ion Ratio Lower Upper
146 100
111 46.9 23.8 71.4
148 64.4 32.4 97.2

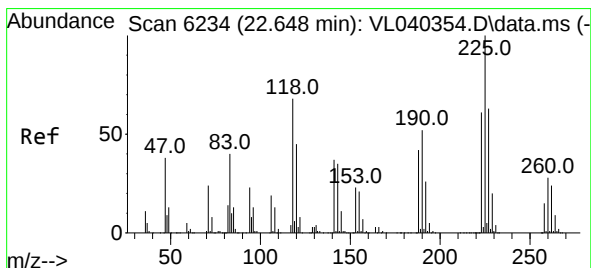
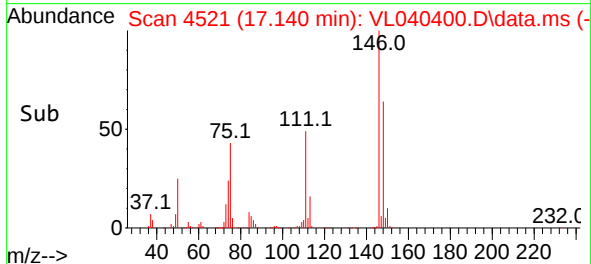
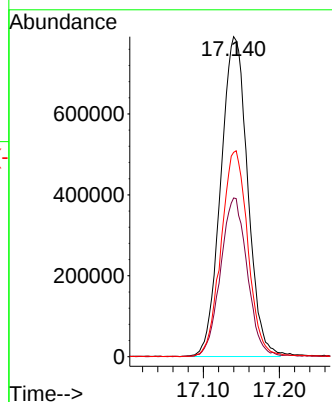
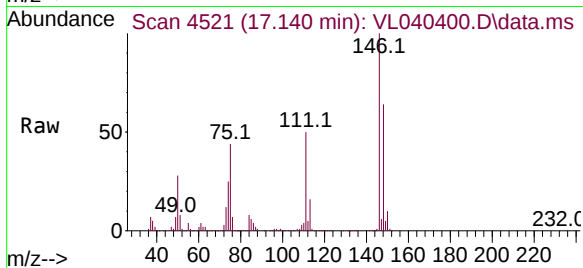




#77
1,2-Dichlorobenzene
Concen: 10.092 ppbv
RT: 17.140 min Scan# 4526
Delta R.T. -0.016 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

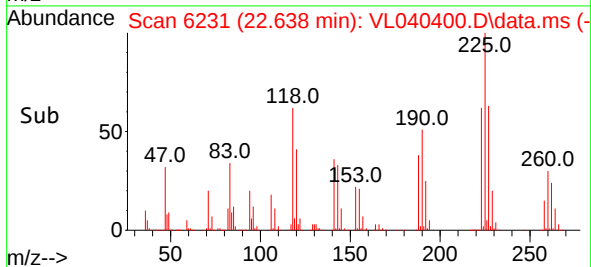
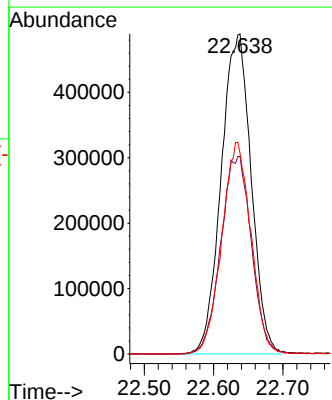
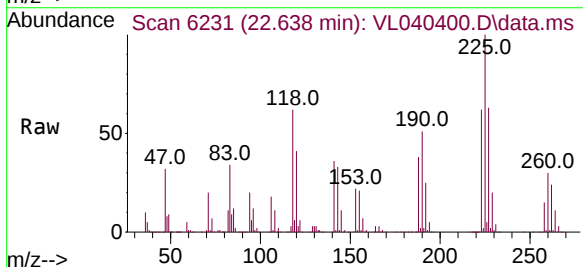
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

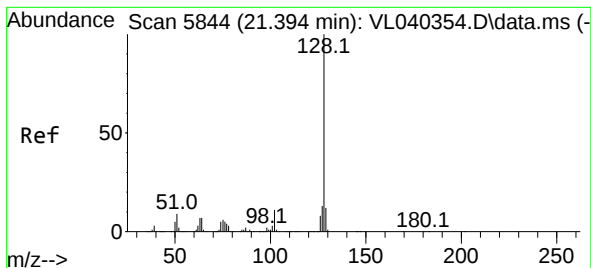
Tgt Ion:146 Resp: 1939639
Ion Ratio Lower Upper
146 100
111 49.6 25.4 76.0
148 64.5 32.0 96.2



#78
Hexachloro-1,3-Butadiene
Concen: 9.544 ppbv
RT: 22.638 min Scan# 6231
Delta R.T. -0.010 min
Lab File: VL040400.D
Acq: 11 May 2023 13:59

Tgt Ion:225 Resp: 1470524
Ion Ratio Lower Upper
225 100
223 63.2 50.7 76.1
227 64.8 51.0 76.4





#79

Naphthalene

Concen: 13.186 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. -0.010 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

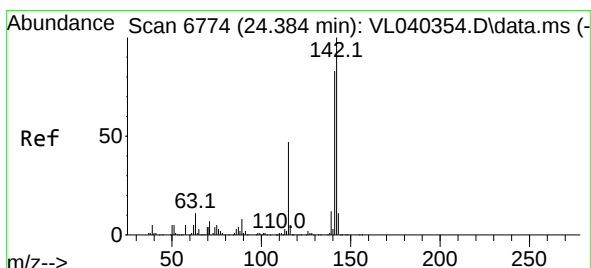
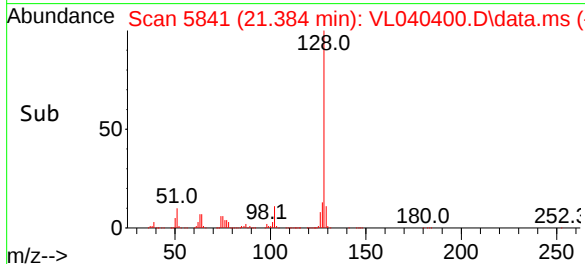
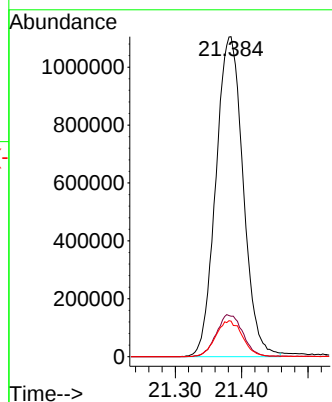
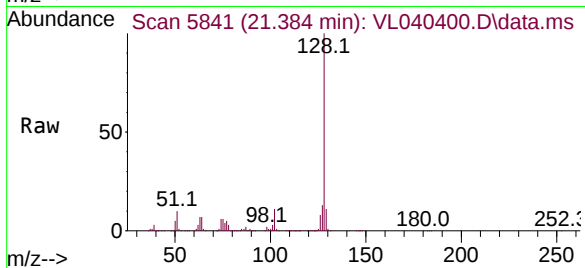
Tgt Ion:128 Resp: 3158471

Ion Ratio Lower Upper

128 100

127 12.7 10.0 15.0

129 11.1 9.4 14.0



#80

Naphthalene,2-methyl-

Concen: 14.824 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. -0.010 min

Lab File: VL040400.D

Acq: 11 May 2023 13:59

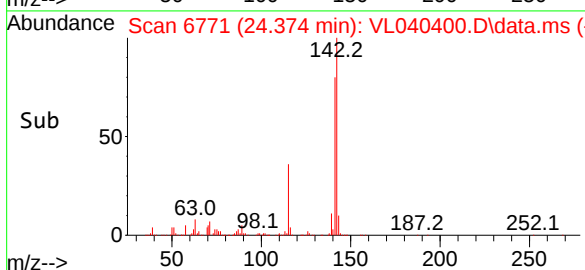
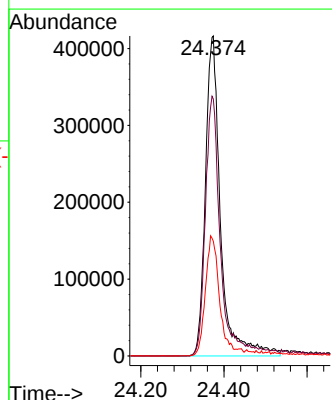
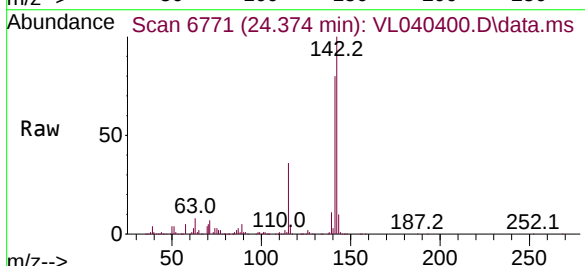
Tgt Ion:142 Resp: 1056931

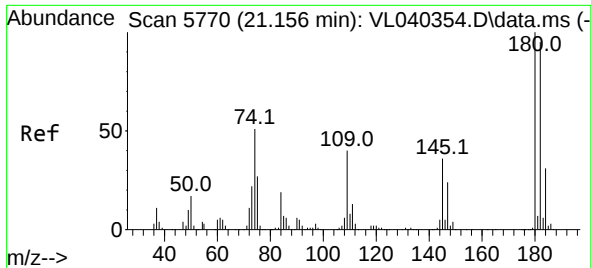
Ion Ratio Lower Upper

142 100

141 83.5 65.1 97.7

115 36.2 36.5 54.7#





#81

1,2,4-Trichlorobenzene

Concen: 11.091 ppbv

RT: 21.140 min Scan# 51

Delta R.T. -0.016 min

Lab File: VL040400.D

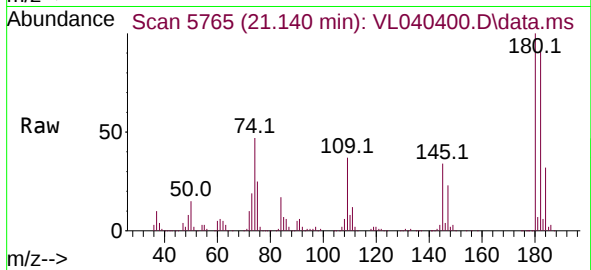
Acq: 11 May 2023 13:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 1632496

Ion Ratio Lower Upper

180 100

182 95.4 77.7 116.5

184 31.1 24.2 36.2

