

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040760.D
 Acq On : 11 Oct 2023 15:51
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Oct 12 00:27:17 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

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

QLast Update : Thu Oct 12 00:21:08 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1067156	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2977892	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2977568	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.789	95	2154780	9.835	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	2617160	13.926	ppbv	98
3) Chlorodifluoromethane	2.709	51	2179118	13.895	ppbv	100
4) Chloromethane	2.845	50	874912	14.128	ppbv	99
5) Vinyl Chloride	2.954	62	879572	13.746	ppbv	96
6) Bromomethane	3.150	94	390536	14.753	ppbv	99
7) Chloroethane	3.227	64	301108	14.455	ppbv	98
8) Dichlorotetrafluoroethane	2.890	85	1960689	13.763	ppbv	96
9) Propene	2.729	41	824359	14.152	ppbv	97
10) Heptane	7.597	43	2031597	13.883	ppbv	100
11) Trichlorofluoromethane	3.591	101	2067091	14.252	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.092	101	1467962	14.190	ppbv	100
13) Ethanol	3.272	45	163613	12.442	ppbv	97
14) Bromoethene	3.394	108	643226	14.519	ppbv	97
15) Acetone	3.494	43	1486178	13.471	ppbv	99
16) 1,3-Butadiene	3.015	39	853938	14.755	ppbv	99
17) tert-Butyl alcohol	3.906	59	1414607	12.505	ppbv	100
18) 1,1-Dichloroethene	3.906	96	666766	14.381	ppbv	99
19) Isopropyl Alcohol	3.603	45	949716	13.373	ppbv	92
20) Methylene Chloride	3.960	84	549504	11.958	ppbv	94
21) Allyl Chloride	4.021	41	1068129	14.680	ppbv	99
22) trans-1,2-Dichloroethene	4.471	96	853209	17.290	ppbv	98
23) Vinyl Acetate	4.652	43	2479878	17.638	ppbv	98
24) 1,1-Dichloroethane	4.587	63	1856515	17.507	ppbv	98
25) Ethyl Acetate	5.227	43	3387780	14.015	ppbv	100
26) Hexane	5.237	57	1505796	13.630	ppbv	99
27) Carbon Disulfide	4.150	76	1778268	14.589	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	1544387	17.977	ppbv	98
29) Chloroform	5.298	83	2300721	14.393	ppbv	98
30) Cyclohexane	6.623	84	1316698	14.006	ppbv	98
31) cis-1,2-Dichloroethene	5.102	61	1542498	15.151	ppbv	99
32) 1,1,1-Trichloroethane	6.024	97	2336836	13.735	ppbv	99
34) 2-Butanone	4.809	43	2141636	15.888	ppbv	97
35) Carbon Tetrachloride	6.513	117	2443629	14.620	ppbv	97
36) Benzene	6.391	78	3219244	14.054	ppbv	100
37) 1,2-Dichloroethane	5.832	62	1739732	14.831	ppbv	99
38) Trichloroethene	7.311	130	1263778	12.467	ppbv	98
39) 1,2-Dichloropropane	7.092	63	1265293	14.139	ppbv	100
40) 1,4-Dioxane	7.301	88	468819	13.844	ppbv #	52
41) Tetrahydrofuran	5.578	42	1382163	14.807	ppbv	99
42) Bromodichloromethane	7.269	83	2550114	14.512	ppbv	98
43) Methyl Methacrylate	7.494	69	1350177	14.726	ppbv	98
44) 2,2,4-Trimethylpentane	7.346	57	5169123	13.345	ppbv	99
45) t-1,3-Dichloropropene	8.725	75	1195669	16.354	ppbv	100

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 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDIC015

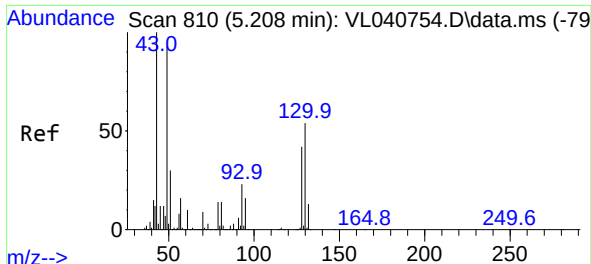
Quant Time: Oct 12 00:27:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Oct 12 00:21:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1352875	15.146	ppbv	98
47) 1,1,2-Trichloroethane	8.918	97	1329789	14.147	ppbv	98
48) Dibromochloromethane	9.729	129	2340656	14.859	ppbv	100
49) Bromoform	12.423	173	1971116	15.393	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	3280519	14.227	ppbv	100
51) 2-Hexanone	9.565	43	2506096	14.280	ppbv #	99
52) Tetrachloroethene	10.632	164	1226536	13.183	ppbv	97
53) Toluene	9.237	91	3744491	13.736	ppbv	100
54) 1,2-Dibromoethane	10.028	107	1949799	14.796	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.526	131	1664595	13.698	ppbv	96
57) Chlorobenzene	11.545	112	2852906	13.372	ppbv	98
58) Ethyl Benzene	12.105	91	4944221	13.188	ppbv	100
59) m/p-Xylene	12.388	91	4112365	13.328	ppbv #	31
60) o-Xylene	13.076	91	3808798	12.955	ppbv	99
61) Styrene	12.912	104	2313412	14.202	ppbv	100
62) Isopropylbenzene	14.043	105	5856158	12.948	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	2723791	12.357	ppbv	99
64) n-propylbenzene	14.931	120	1643180	13.524	ppbv	96
65) tert-Butylbenzene	16.104	119	5118402	12.547	ppbv	100
66) Benzyl Chloride	16.342	91	679722	16.539	ppbv	100
67) sec-Butylbenzene	16.648	105	7126812	12.760	ppbv	100
69) p-Isopropyltoluene	17.011	119	6038125	12.902	ppbv	99
70) n-Butylbenzene	17.899	91	6030712	13.123	ppbv	99
71) 2-Chlorotoluene	14.815	91	4470181	13.157	ppbv	99
72) 4-Ethyltoluene	15.207	105	4769025	13.852	ppbv	99
73) 1,3,5-Trimethylbenzene	15.365	105	4112917	13.569	ppbv	99
74) 1,2,4-Trimethylbenzene	16.124	105	4316410	13.033	ppbv	98
75) 1,3-Dichlorobenzene	16.346	146	2784299	13.518	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	2789049	13.673	ppbv	99
77) 1,2-Dichlorobenzene	17.156	146	2714482	13.432	ppbv	100
78) Hexachloro-1,3-Butadiene	22.648	225	1736651	12.009	ppbv	100
79) Naphthalene	21.397	128	4215333	15.658	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1352427	17.902	ppbv	99
81) 1,2,4-Trichlorobenzene	21.156	180	2089792	14.298	ppbv	99

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

Quant Time: Oct 12 00:27:17 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Oct 12 00:21:08 2023
Response via : Initial Calibration

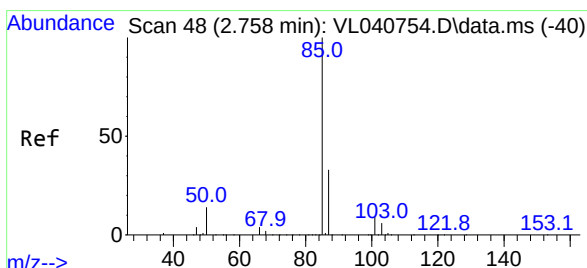
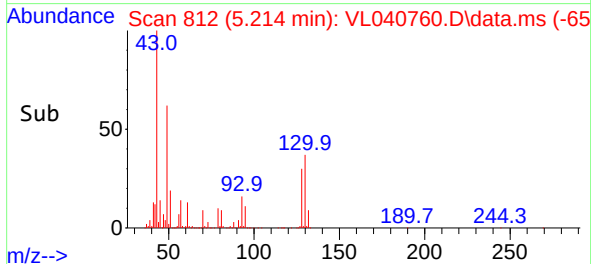
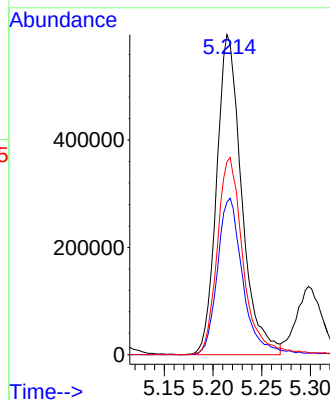
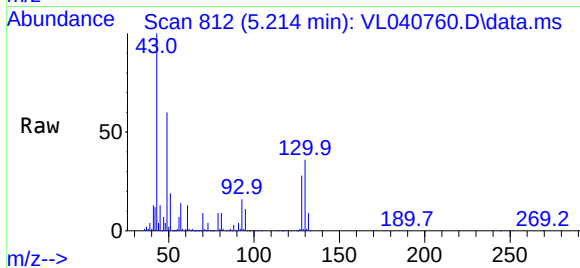




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

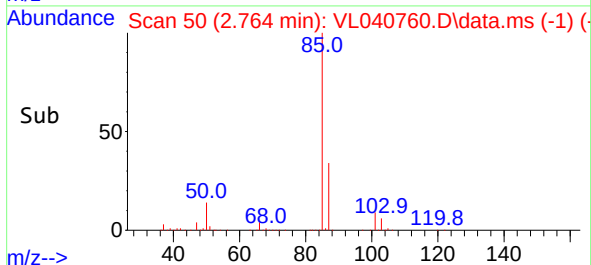
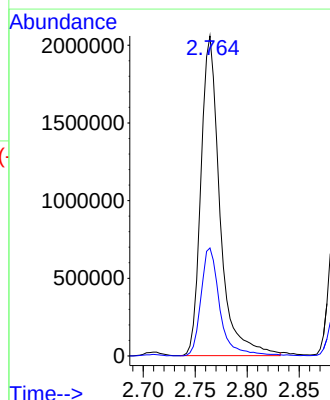
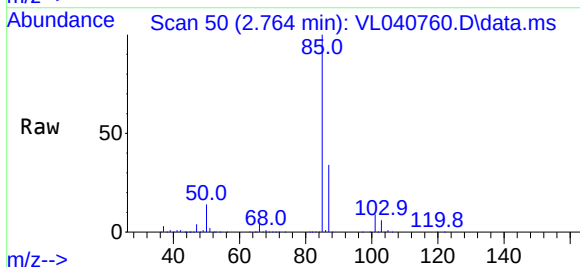
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 49 Resp: 1067156
Ion Ratio Lower Upper
49 100
128 50.0 23.9 71.7
130 64.7 30.7 92.1

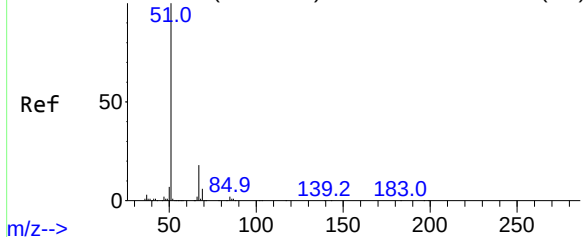


#2
Dichlorodifluoromethane
Concen: 13.926 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 85 Resp: 2617160
Ion Ratio Lower Upper
85 100
87 33.7 26.0 39.0



Abundance Scan 31 (2.703 min): VL040754.D\data.ms (-19)

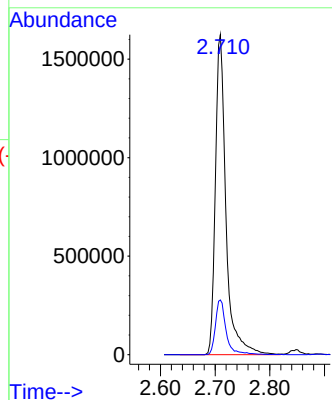
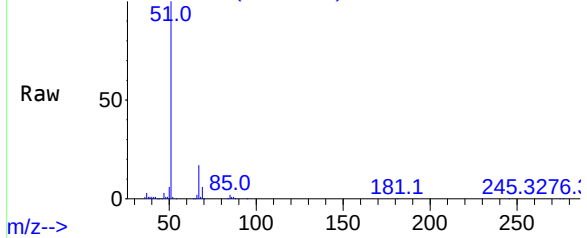


#3
Chlorodifluoromethane
Concen: 13.895 ppbv
RT: 2.709 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

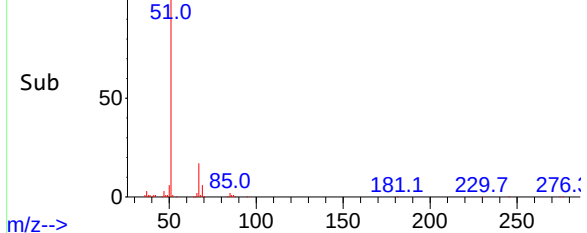
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 51 Resp: 2179118
Ion Ratio Lower Upper
51 100
67 17.4 13.8 20.6

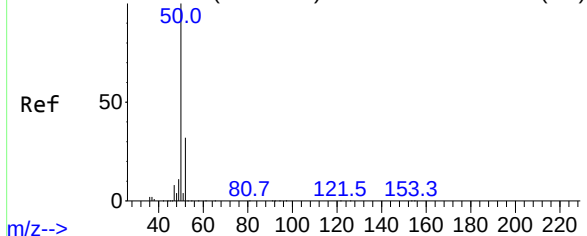
Abundance Scan 33 (2.709 min): VL040760.D\data.ms



Abundance Scan 33 (2.709 min): VL040760.D\data.ms (-1)



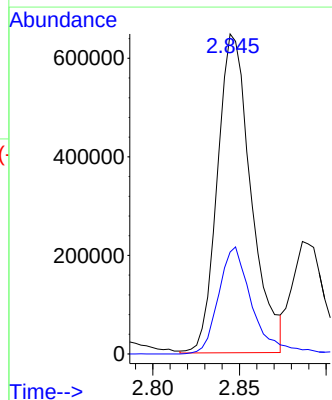
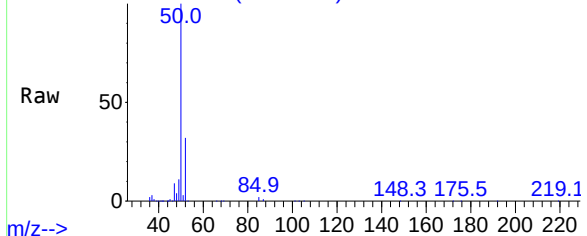
Abundance Scan 74 (2.841 min): VL040754.D\data.ms (-65)



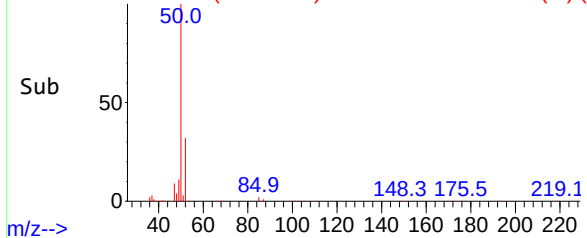
#4
Chloromethane
Concen: 14.128 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

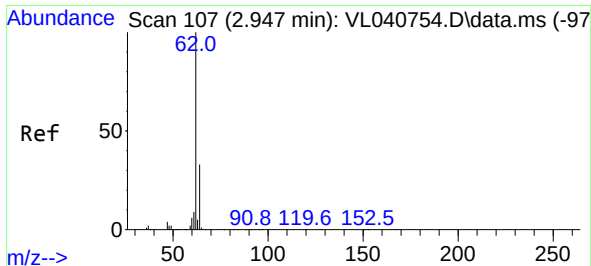
Tgt Ion: 50 Resp: 874912
Ion Ratio Lower Upper
50 100
52 32.1 25.3 37.9

Abundance Scan 75 (2.845 min): VL040760.D\data.ms



Abundance Scan 75 (2.845 min): VL040760.D\data.ms (-1)

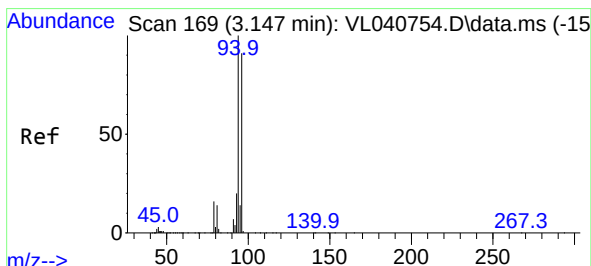
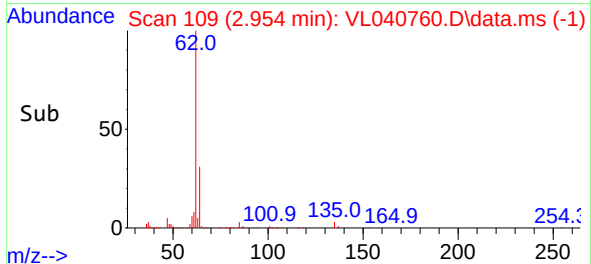
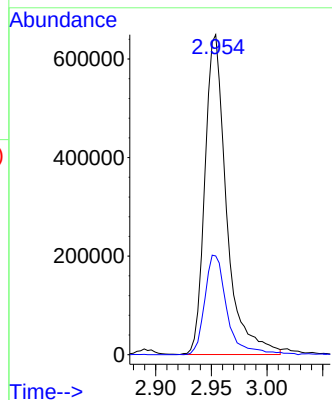
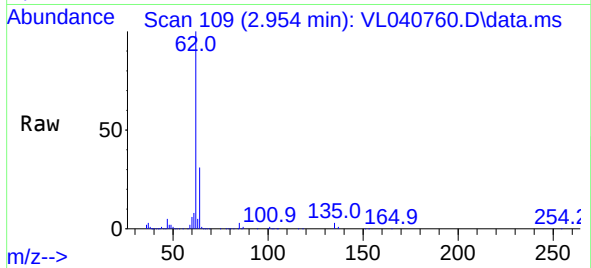




#5
 Vinyl Chloride
 Concen: 13.746 ppbv
 RT: 2.954 min Scan# 107
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

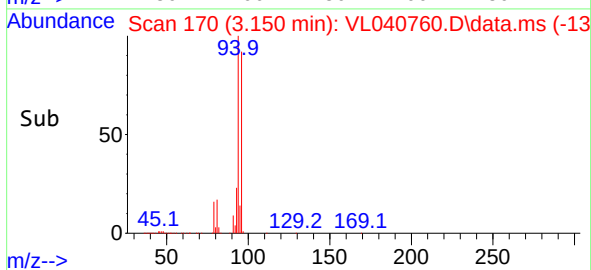
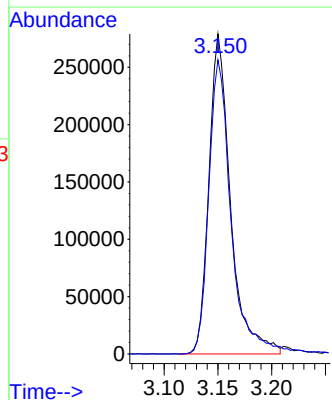
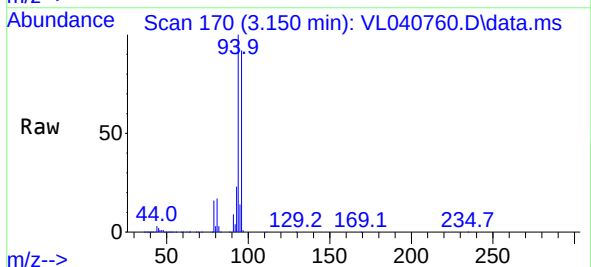
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

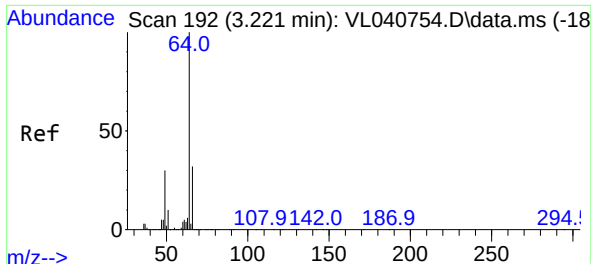
Tgt Ion: 62 Resp: 879572
 Ion Ratio Lower Upper
 62 100
 64 30.8 26.6 39.8



#6
 Bromomethane
 Concen: 14.753 ppbv
 RT: 3.150 min Scan# 170
 Delta R.T. 0.003 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Tgt Ion: 94 Resp: 390536
 Ion Ratio Lower Upper
 94 100
 96 91.9 72.6 109.0

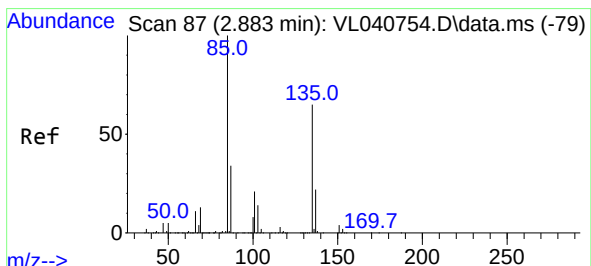
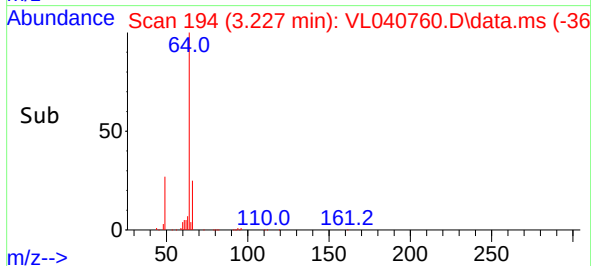
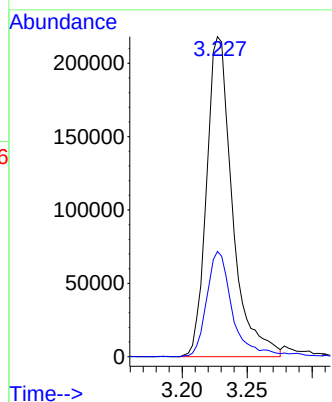
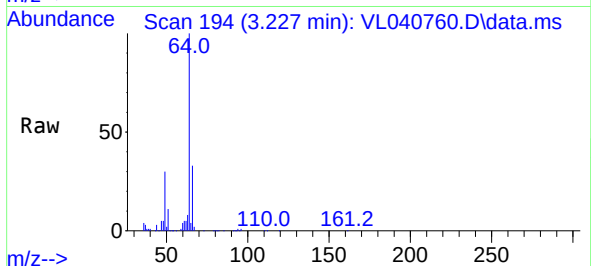




#7
Chloroethane
Concen: 14.455 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

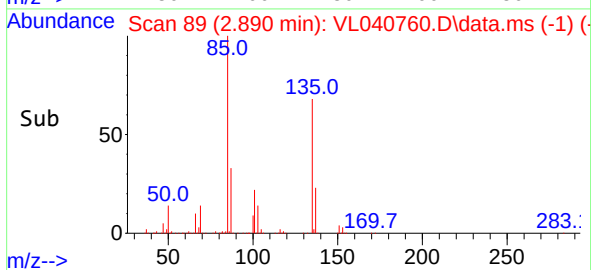
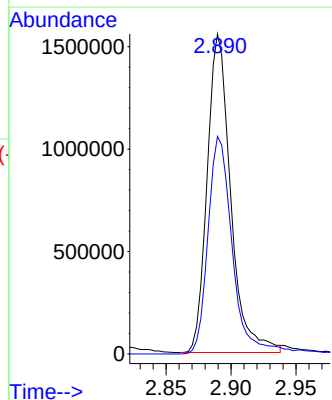
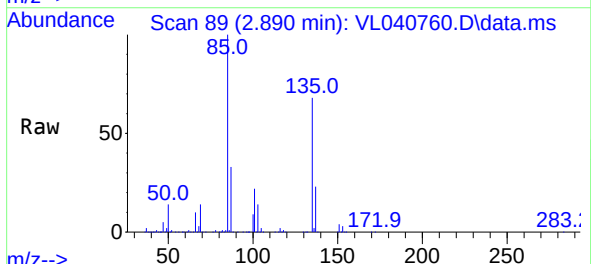
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 64 Resp: 301108
Ion Ratio Lower Upper
64 100
66 32.9 25.4 38.2

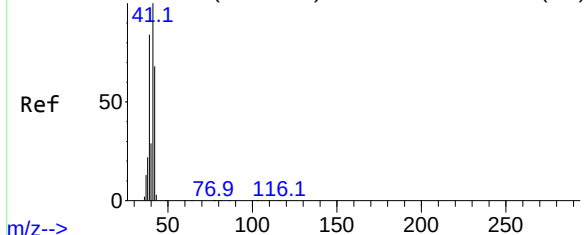


#8
Dichlorotetrafluoroethane
Concen: 13.763 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 85 Resp: 1960689
Ion Ratio Lower Upper
85 100
135 72.2 55.4 83.2



Abundance Scan 37 (2.722 min): VL040754.D\data.ms (-27)



#9

Propene

Concen: 14.152 ppbv

RT: 2.729 min Scan# 39

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC015

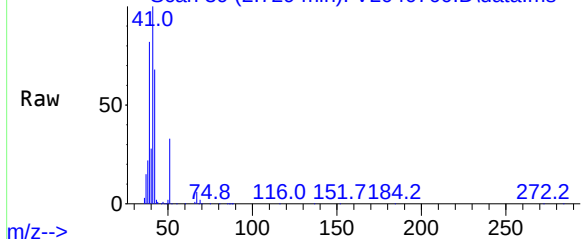
Tgt Ion: 41 Resp: 824359

Ion Ratio Lower Upper

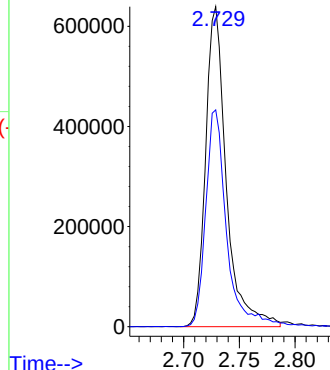
41 100

42 69.2 57.1 85.7

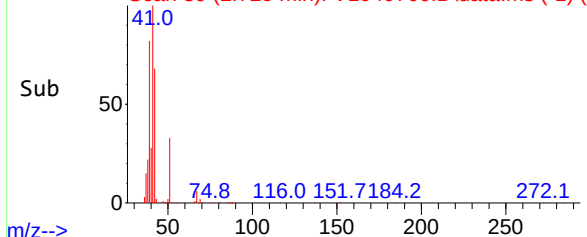
Abundance Scan 39 (2.729 min): VL040760.D\data.ms



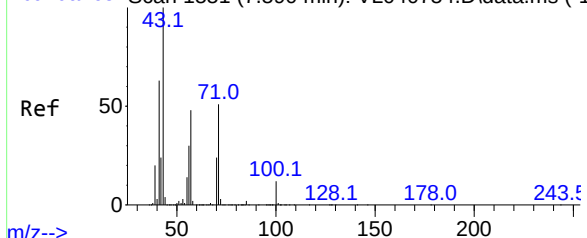
Abundance



Abundance Scan 39 (2.729 min): VL040760.D\data.ms (-1)



Abundance Scan 1551 (7.590 min): VL040754.D\data.ms (-1)



#10

Heptane

Concen: 13.883 ppbv

RT: 7.597 min Scan# 1553

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

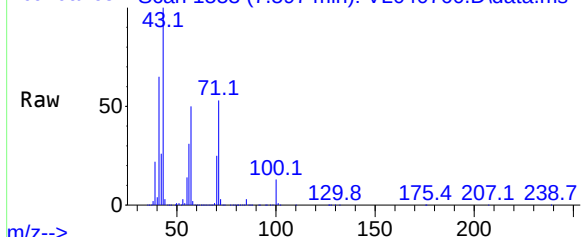
Tgt Ion: 43 Resp: 2031597

Ion Ratio Lower Upper

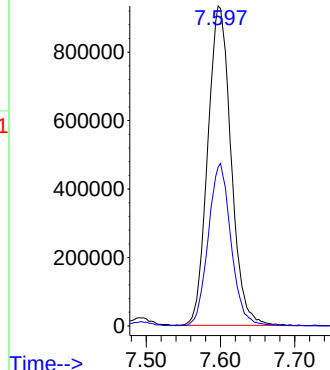
43 100

57 50.0 40.0 60.0

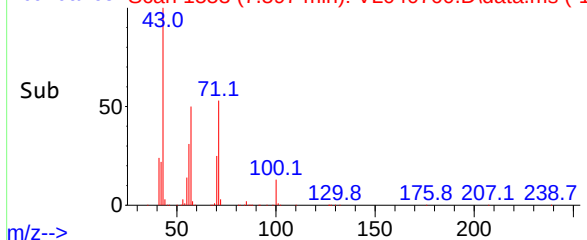
Abundance Scan 1553 (7.597 min): VL040760.D\data.ms

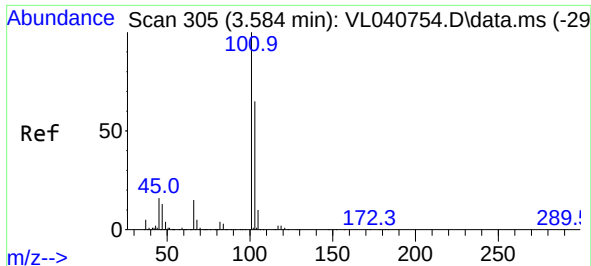


Abundance



Abundance Scan 1553 (7.597 min): VL040760.D\data.ms (-1)

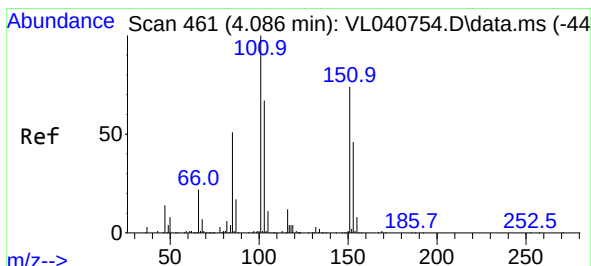
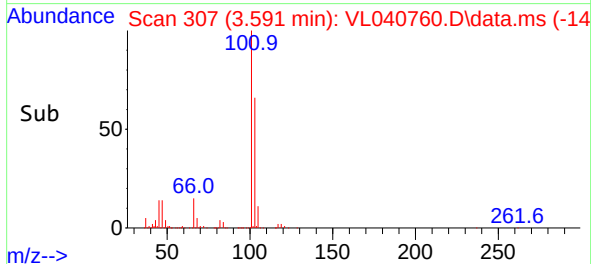
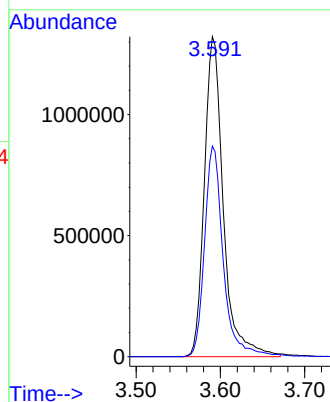
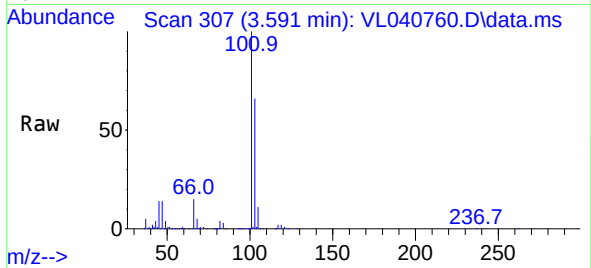




#11
Trichlorofluoromethane
Concen: 14.252 ppbv
RT: 3.591 min Scan# 305
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

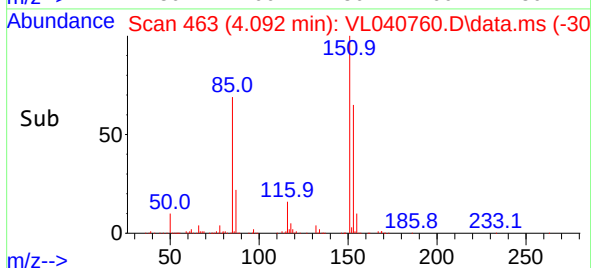
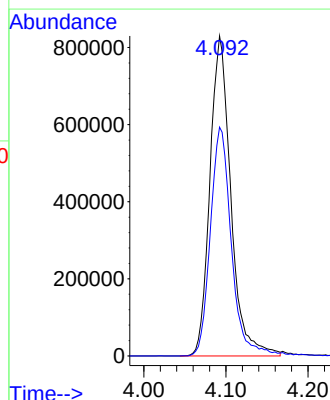
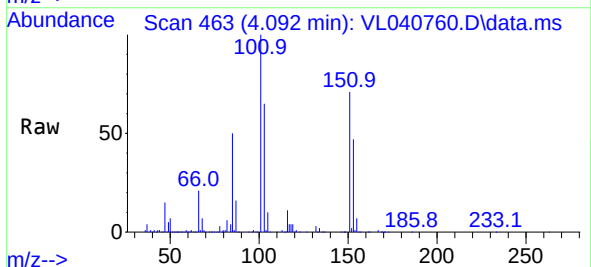
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

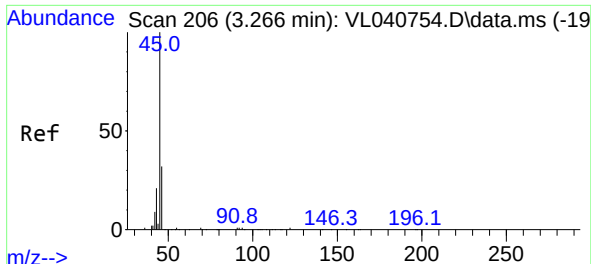
Tgt Ion:101 Resp: 2067091
Ion Ratio Lower Upper
101 100
103 65.8 52.2 78.2



#12
1,1,2-Trichlorotrifluoroethane
Concen: 14.190 ppbv
RT: 4.092 min Scan# 463
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:101 Resp: 1467962
Ion Ratio Lower Upper
101 100
151 72.4 58.1 87.1





#13

Ethanol

Concen: 12.442 ppbv

RT: 3.272 min Scan# 206

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

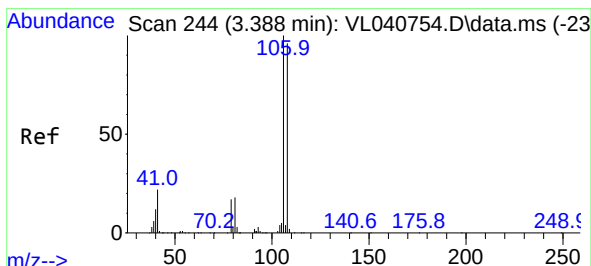
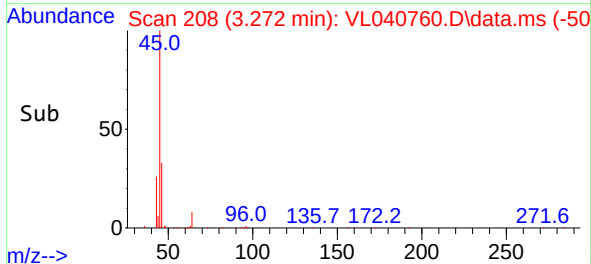
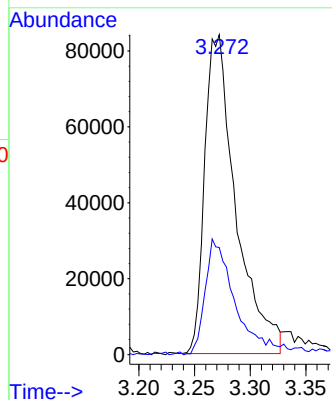
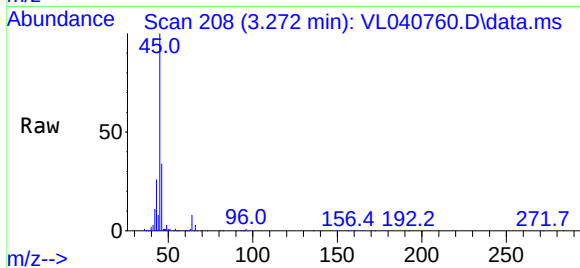
VSTDIC015

Tgt Ion: 45 Resp: 163613

Ion Ratio Lower Upper

45 100

46 38.4 14.6 58.2



#14

Bromoethene

Concen: 14.519 ppbv

RT: 3.394 min Scan# 246

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

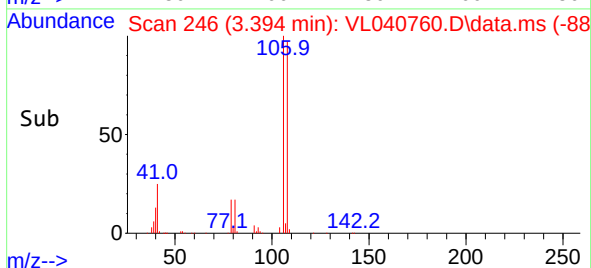
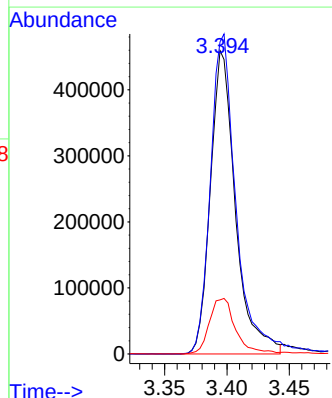
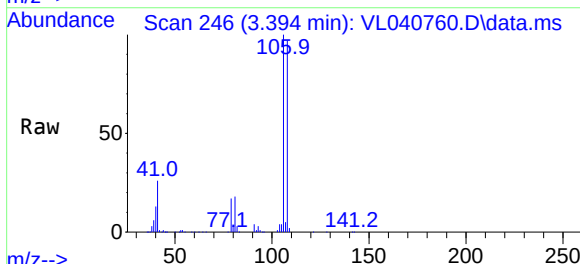
Tgt Ion:108 Resp: 643226

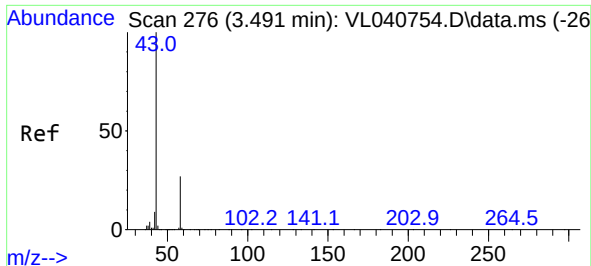
Ion Ratio Lower Upper

108 100

106 110.0 85.2 127.8

79 19.9 15.7 23.5

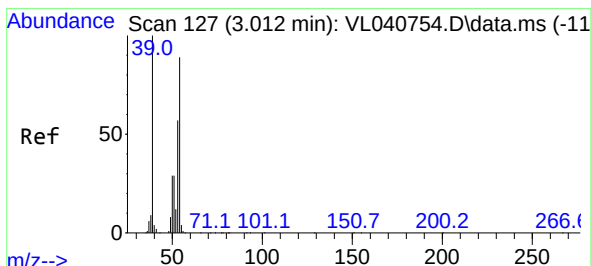
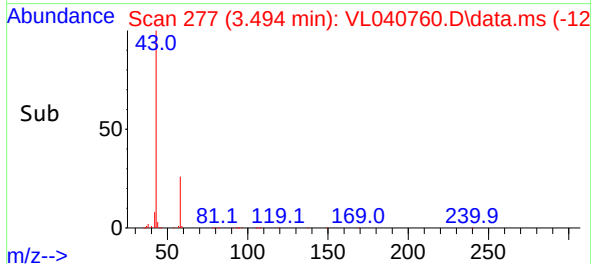
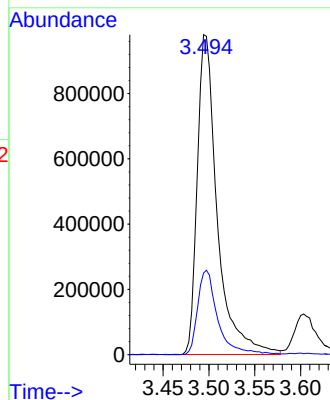
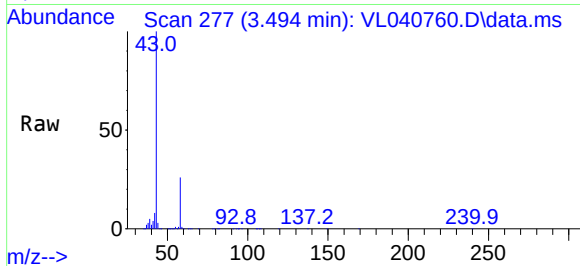




#15
Acetone
Concen: 13.471 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

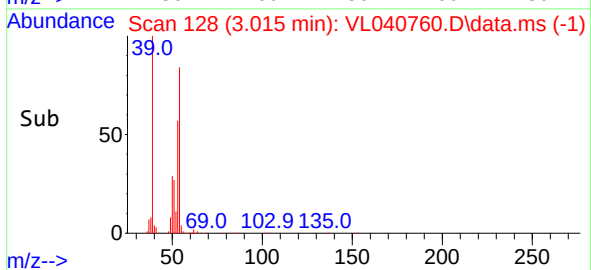
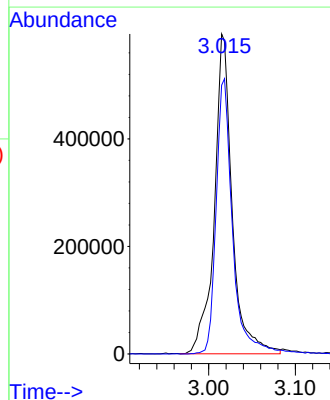
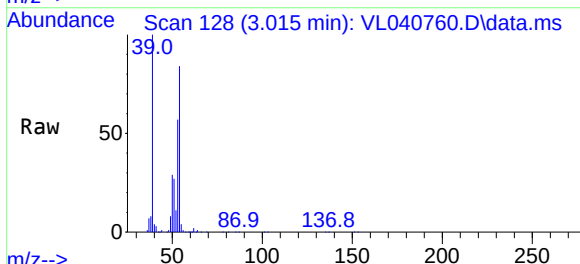
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

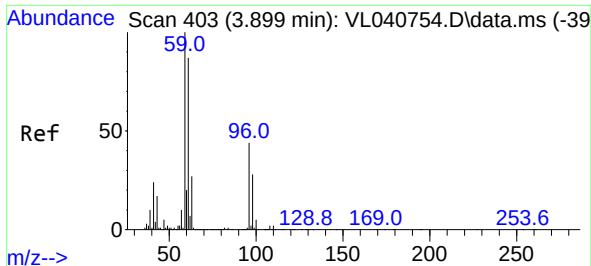
Tgt Ion: 43 Resp: 1486178
Ion Ratio Lower Upper
43 100
58 27.4 21.6 32.4



#16
1,3-Butadiene
Concen: 14.755 ppbv
RT: 3.015 min Scan# 128
Delta R.T. 0.003 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 39 Resp: 853938
Ion Ratio Lower Upper
39 100
54 79.5 63.0 94.6





#17

tert-Butyl alcohol

Concen: 12.505 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

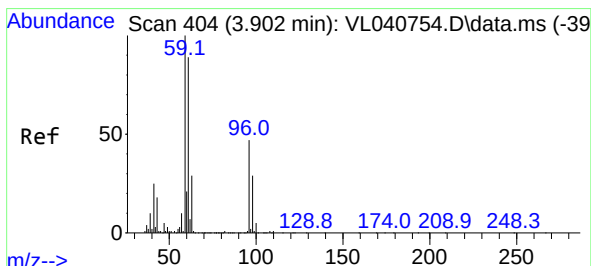
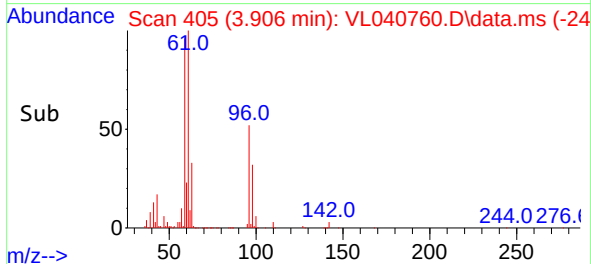
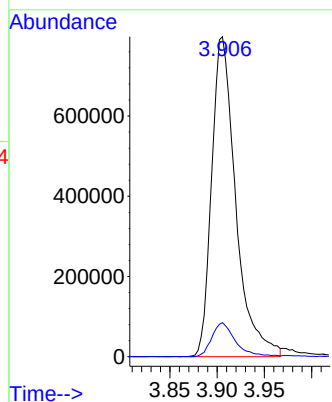
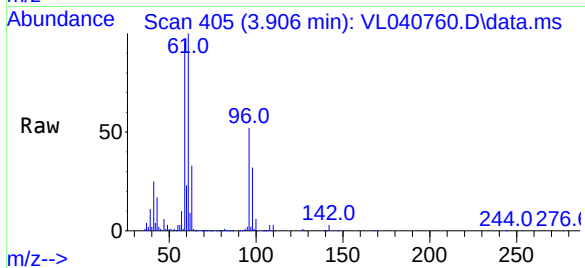
VSTDIC015

Tgt Ion: 59 Resp: 1414607

Ion Ratio Lower Upper

59 100

57 10.8 8.6 13.0



#18

1,1-Dichloroethene

Concen: 14.381 ppbv

RT: 3.906 min Scan# 405

Delta R.T. 0.003 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

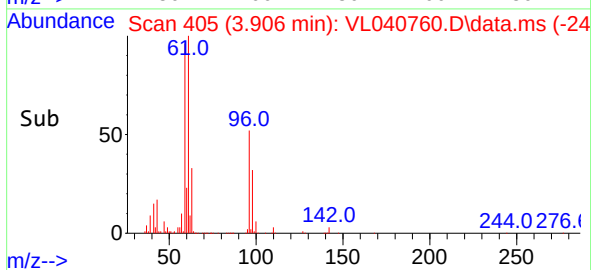
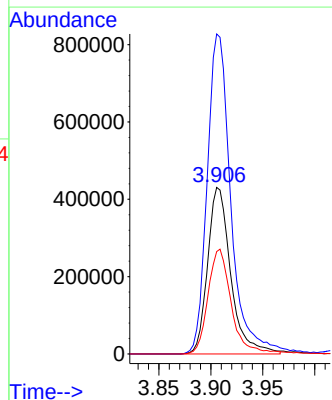
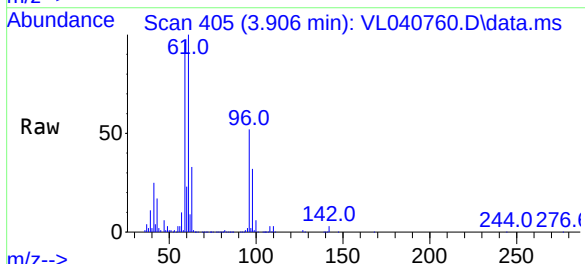
Tgt Ion: 96 Resp: 666766

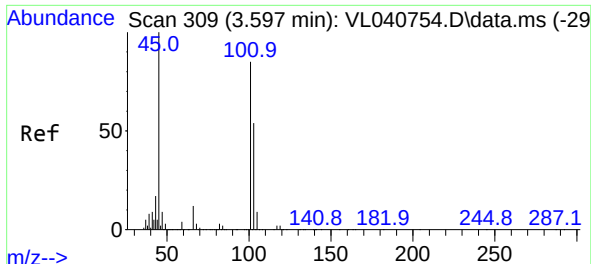
Ion Ratio Lower Upper

96 100

61 192.0 152.5 228.7

98 61.4 49.6 74.4

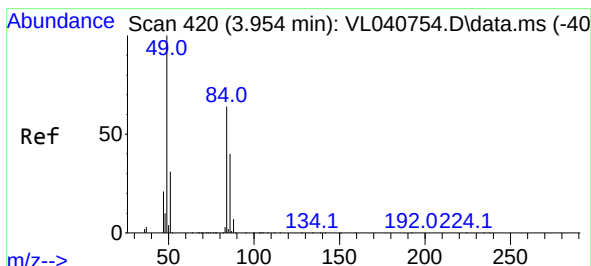
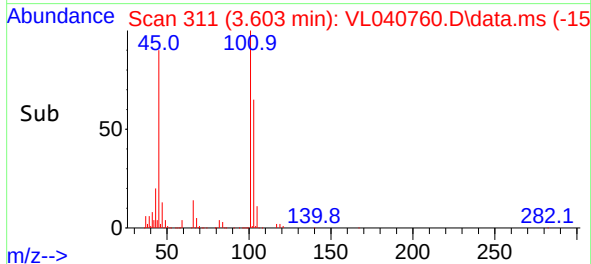
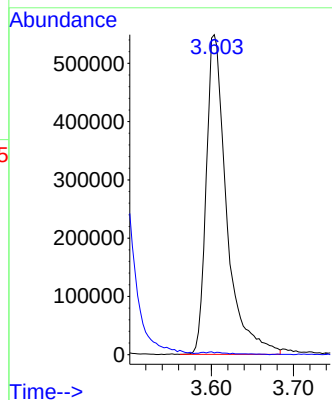
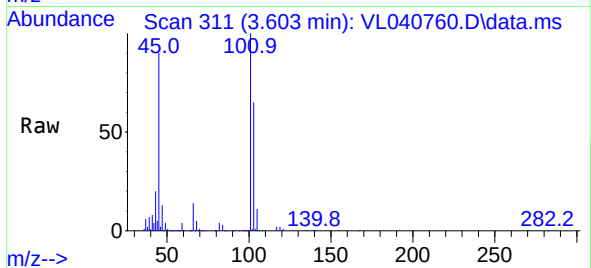




#19
Isopropyl Alcohol
Concen: 13.373 ppbv
RT: 3.603 min Scan# 311
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

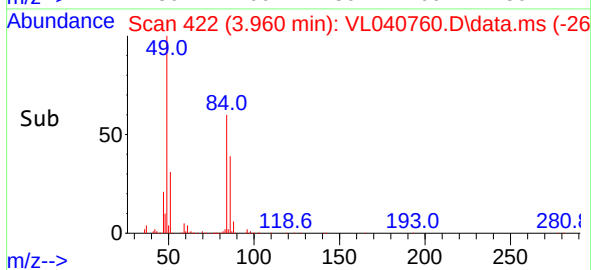
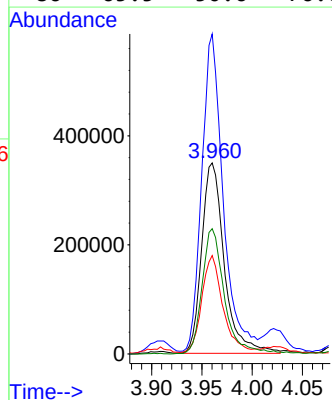
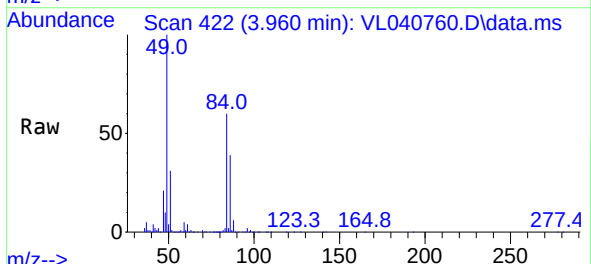
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

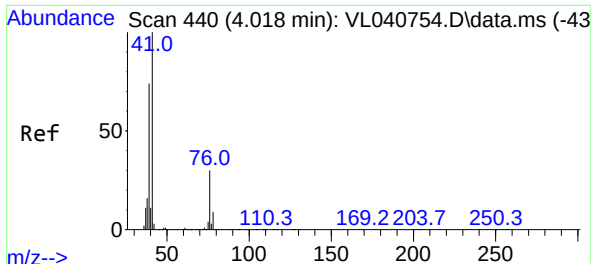
Tgt Ion: 45 Resp: 949716
Ion Ratio Lower Upper
45 100
58 42.8 30.3 45.5



#20
Methylene Chloride
Concen: 11.958 ppbv
RT: 3.960 min Scan# 422
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 84 Resp: 549504
Ion Ratio Lower Upper
84 100
49 166.6 125.6 188.4
51 50.9 38.9 58.3
86 65.5 50.6 76.0



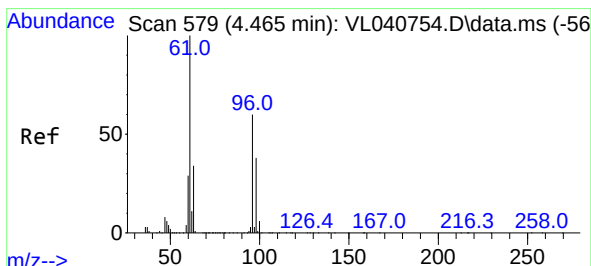
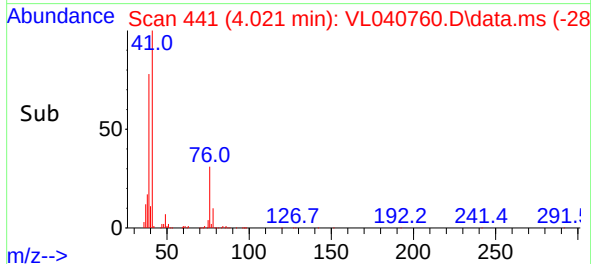
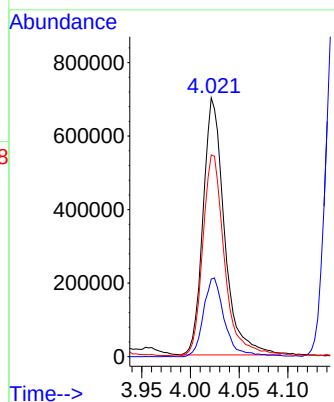
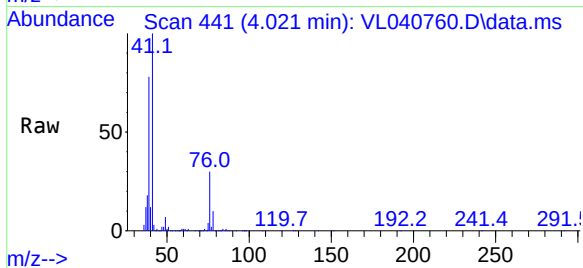


#21
 Allyl Chloride
 Concen: 14.680 ppbv
 RT: 4.021 min Scan# 441
 Delta R.T. 0.003 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 41 Resp: 1068129

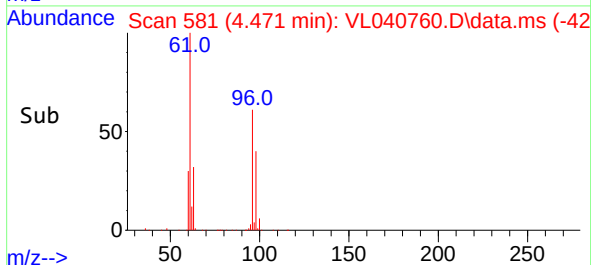
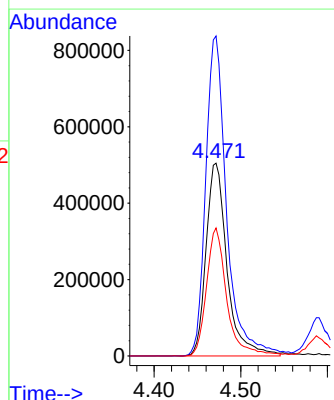
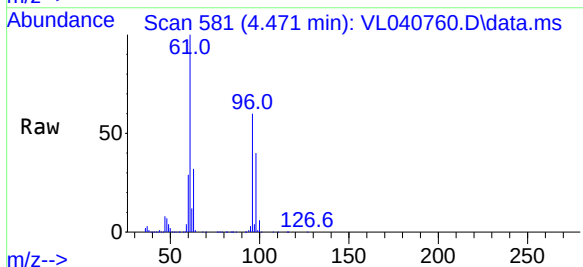
Ion	Ratio	Lower	Upper
41	100		
76	30.6	24.1	36.1
39	80.4	63.8	95.6



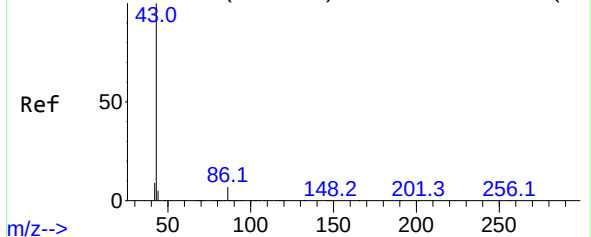
#22
 trans-1,2-Dichloroethene
 Concen: 17.290 ppbv
 RT: 4.471 min Scan# 581
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Tgt Ion: 96 Resp: 853209

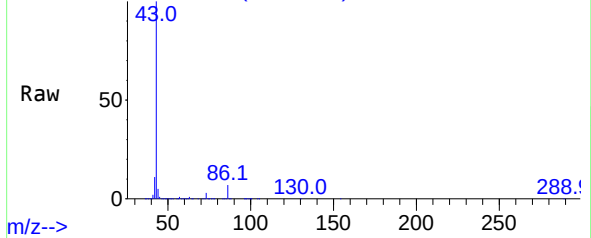
Ion	Ratio	Lower	Upper
96	100		
61	165.9	134.0	201.0
98	66.4	51.0	76.4



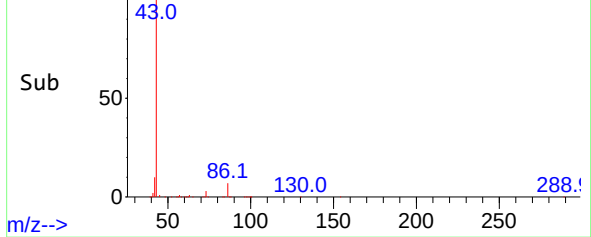
Abundance Scan 635 (4.645 min): VL040754.D\data.ms (-62



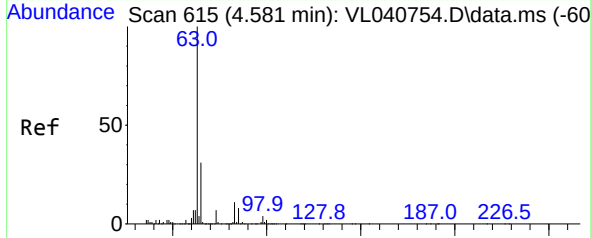
m/z--> Scan 637 (4.652 min): VL040760.D\data.ms



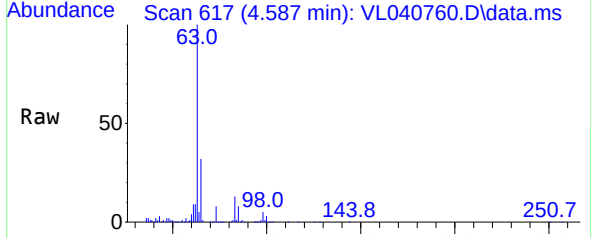
m/z--> Scan 637 (4.652 min): VL040760.D\data.ms (-47



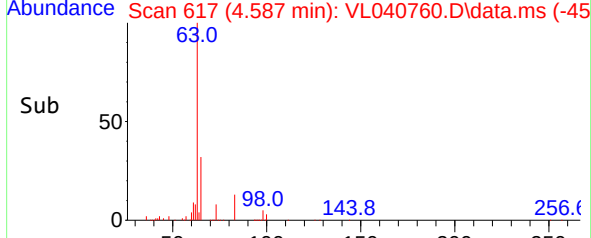
m/z--> Scan 615 (4.581 min): VL040754.D\data.ms (-60



m/z--> Scan 617 (4.587 min): VL040760.D\data.ms



m/z--> Scan 617 (4.587 min): VL040760.D\data.ms (-45



m/z--> Scan 617 (4.587 min): VL040760.D\data.ms (-45

#23

Vinyl Acetate

Concen: 17.638 ppbv

RT: 4.652 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2479878

Ion Ratio Lower Upper

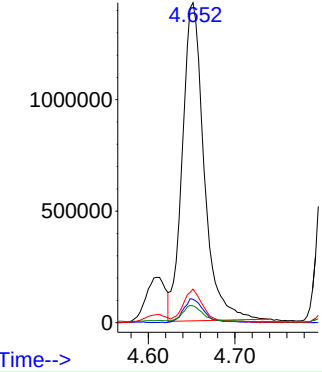
43 100

86 7.3 4.9 7.3

42 10.5 7.8 11.6

44 4.9 3.8 5.6

Abundance



#24

1,1-Dichloroethane

Concen: 17.507 ppbv

RT: 4.587 min Scan# 617

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Tgt Ion: 63 Resp: 1856515

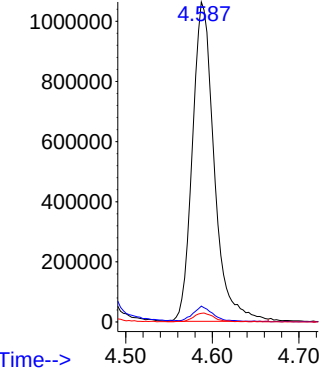
Ion Ratio Lower Upper

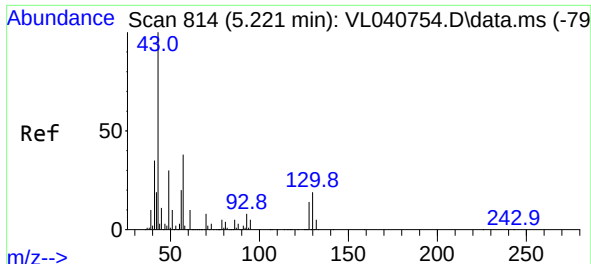
63 100

98 4.8 2.0 5.8

100 2.7 1.3 3.8

Abundance



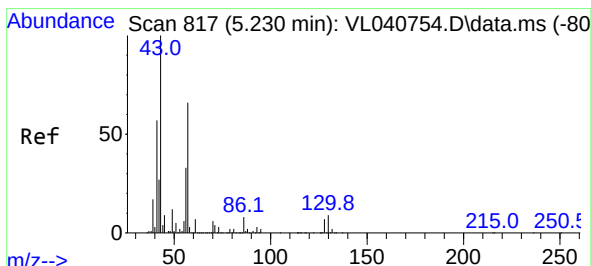
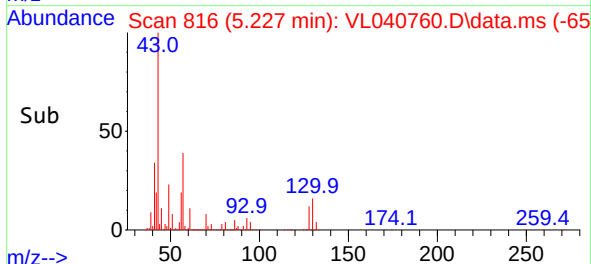
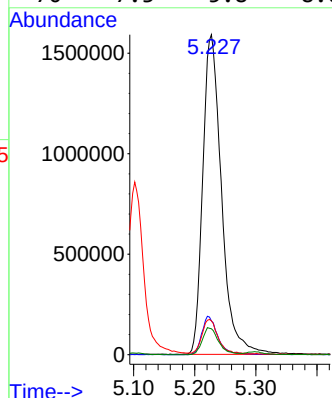
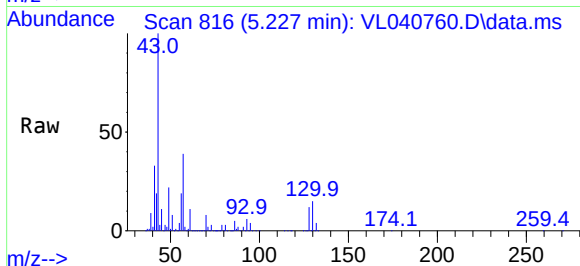


#25
Ethyl Acetate
Concen: 14.015 ppbv
RT: 5.227 min Scan# 814
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 3387780

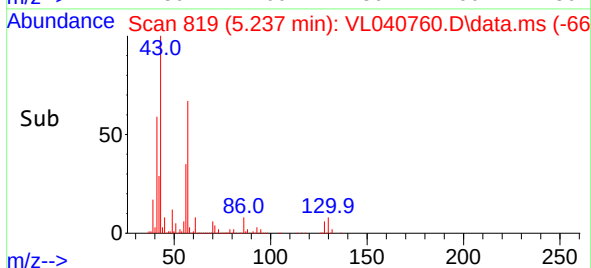
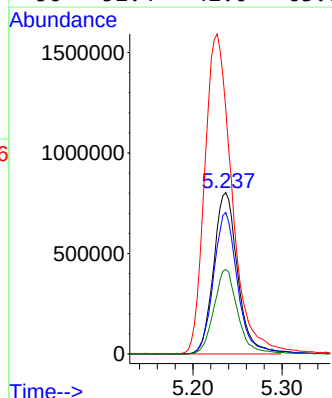
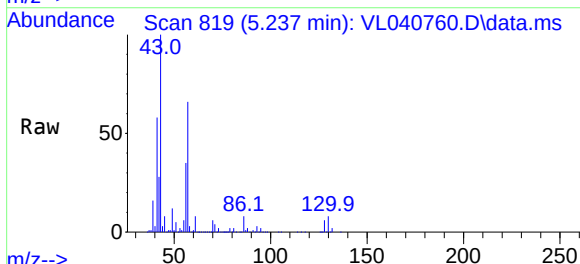
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	9.9	8.2	12.2
70	7.3	5.8	8.6

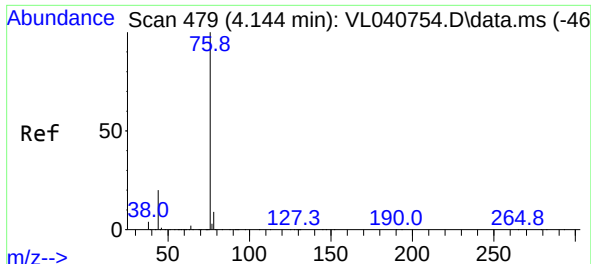


#26
Hexane
Concen: 13.630 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 57 Resp: 1505796

Ion	Ratio	Lower	Upper
57	100		
41	88.6	71.4	107.2
43	225.9	182.3	273.5
56	52.4	42.0	63.0

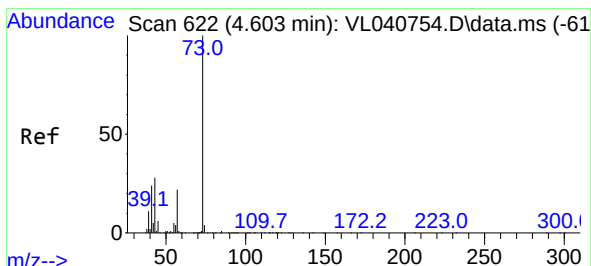
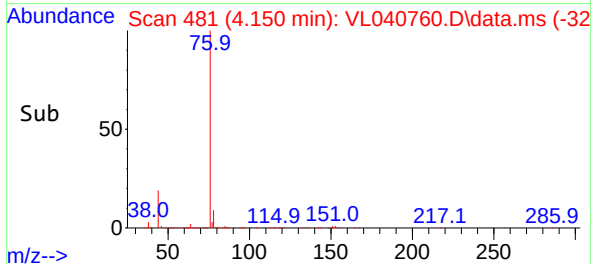
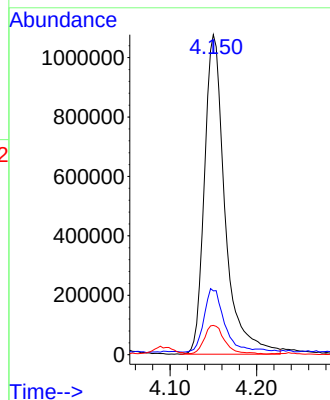
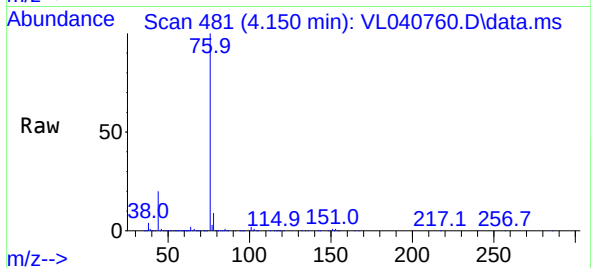




#27
Carbon Disulfide
Concen: 14.589 ppbv
RT: 4.150 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

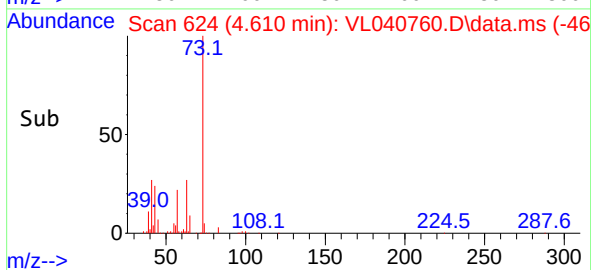
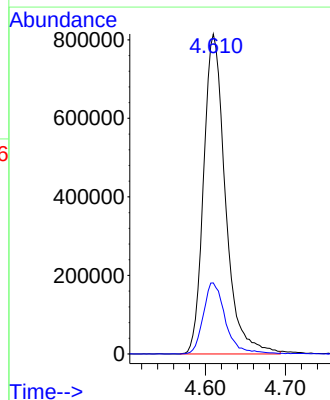
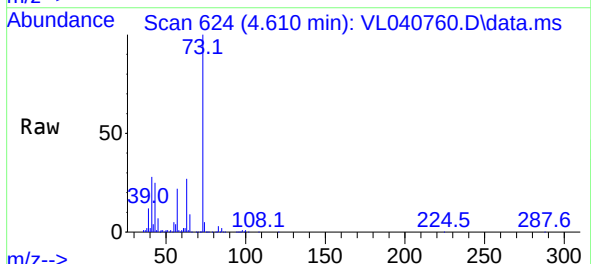
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC015

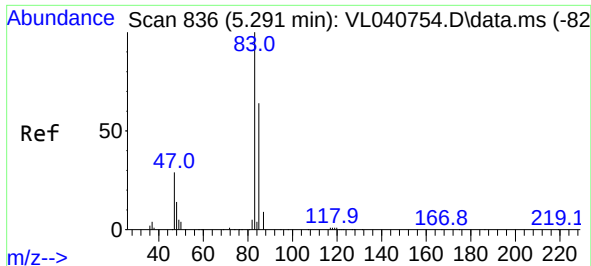
Tgt Ion: 76 Resp: 1778268
Ion Ratio Lower Upper
76 100
44 20.4 16.6 25.0
78 9.4 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 17.977 ppbv
RT: 4.610 min Scan# 624
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 73 Resp: 1544387
Ion Ratio Lower Upper
73 100
57 22.8 18.9 28.3





#29

Chloroform

Concen: 14.393 ppbv

RT: 5.298 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

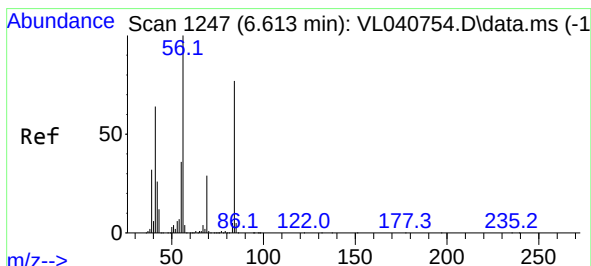
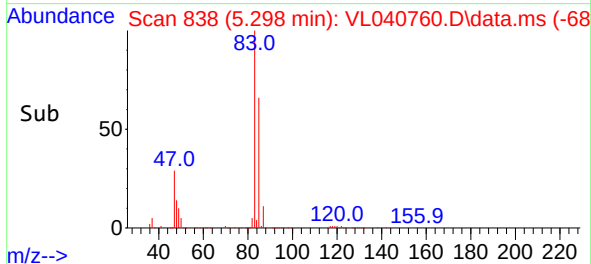
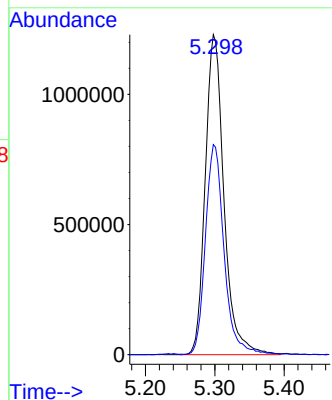
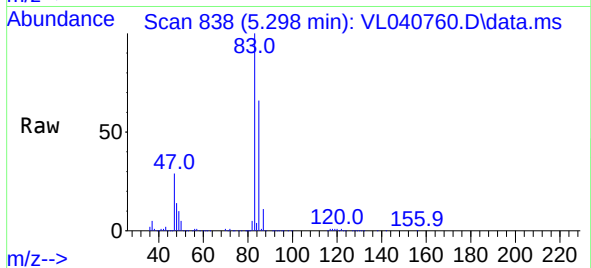
VSTDIC015

Tgt Ion: 83 Resp: 2300721

Ion Ratio Lower Upper

83 100

85 65.5 51.3 76.9



#30

Cyclohexane

Concen: 14.006 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

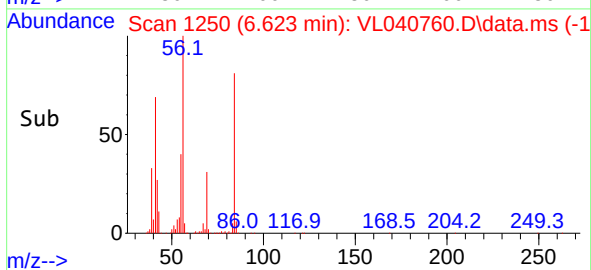
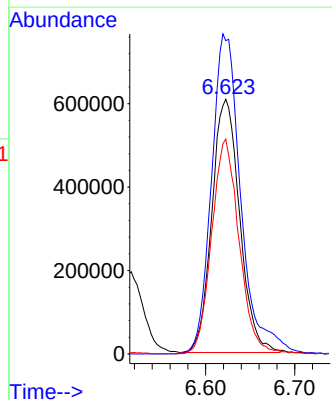
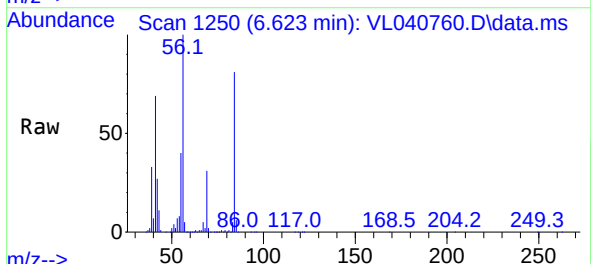
Tgt Ion: 84 Resp: 1316698

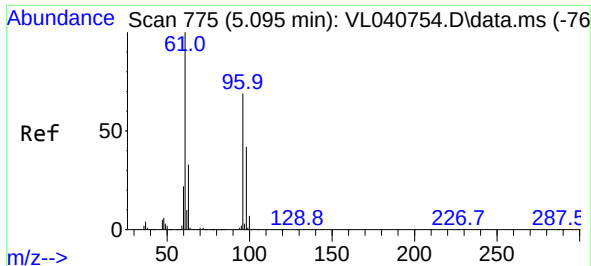
Ion Ratio Lower Upper

84 100

56 134.2 110.3 165.5

41 84.1 67.4 101.2

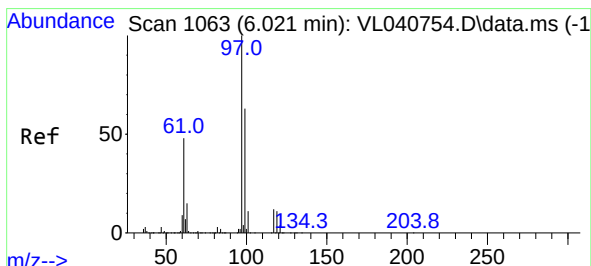
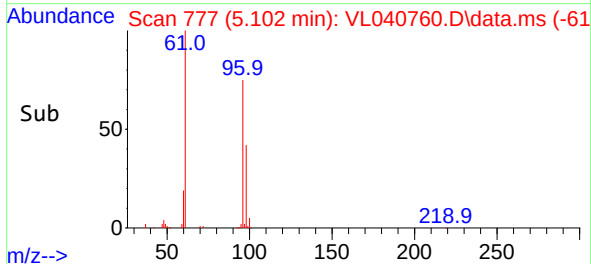
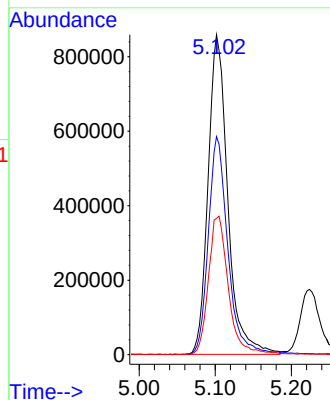
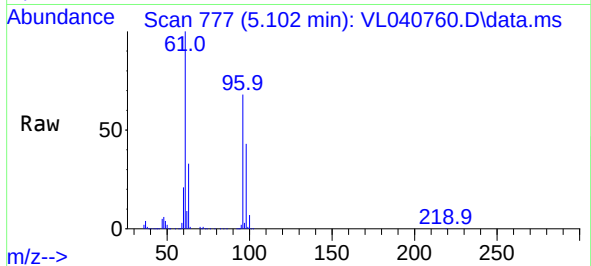




#31
cis-1,2-Dichloroethene
Concen: 15.151 ppbv
RT: 5.102 min Scan# 71
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

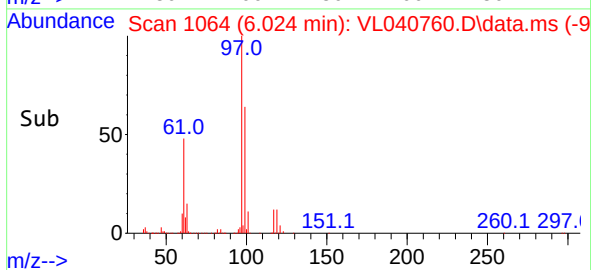
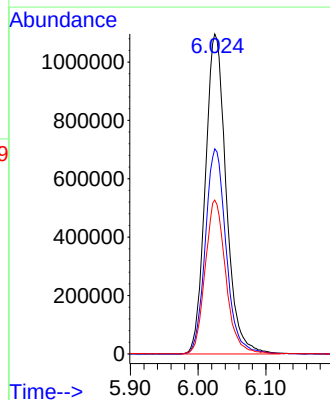
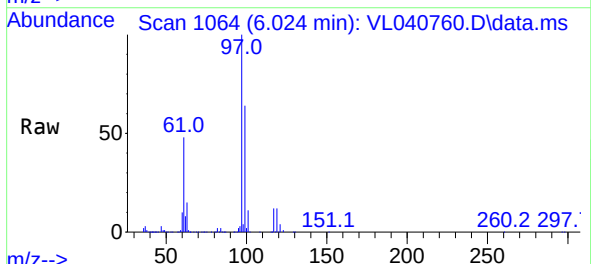
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

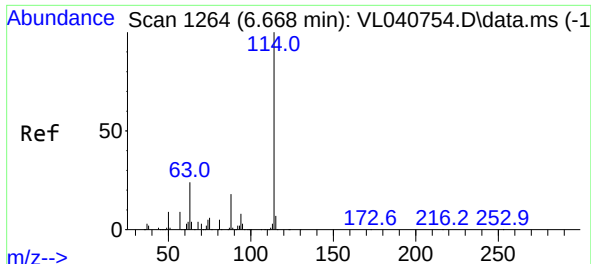
Tgt Ion: 61 Resp: 1542498
Ion Ratio Lower Upper
61 100
96 68.2 55.1 82.7
98 42.6 33.5 50.3



#32
1,1,1-Trichloroethane
Concen: 13.735 ppbv
RT: 6.024 min Scan# 1064
Delta R.T. 0.003 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 97 Resp: 2336836
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.6
61 47.7 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

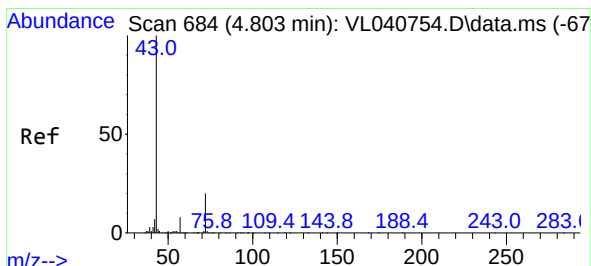
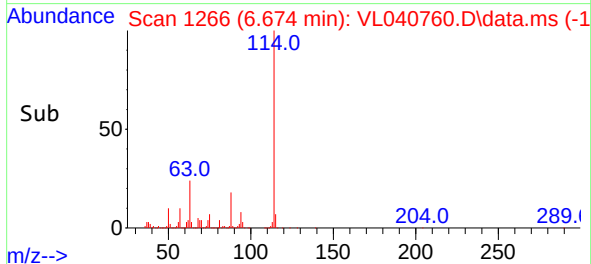
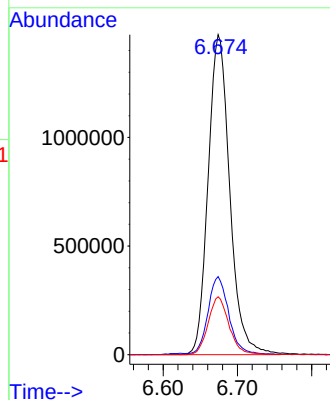
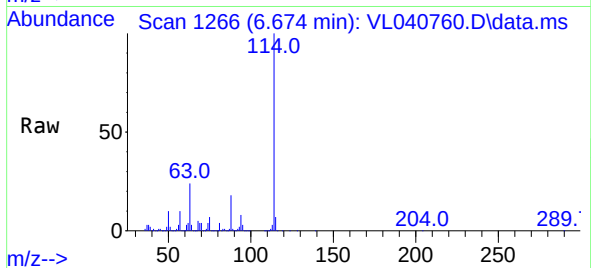
Tgt Ion:114 Resp: 2977892

Ion Ratio Lower Upper

114 100

63 24.0 19.8 29.6

88 17.5 14.2 21.2



#34

2-Butanone

Concen: 15.888 ppbv

RT: 4.809 min Scan# 686

Delta R.T. 0.006 min

Lab File: VL040760.D

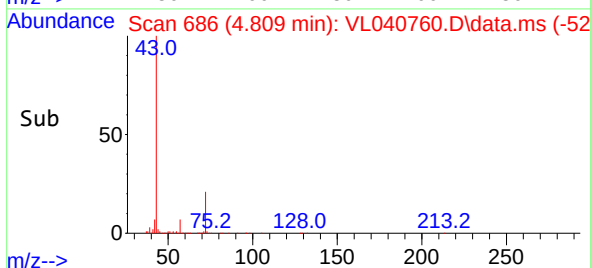
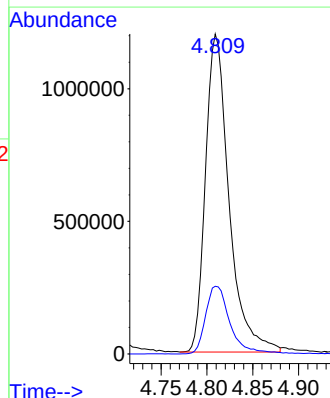
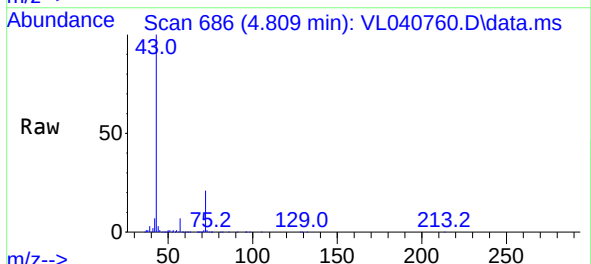
Acq: 11 Oct 2023 15:51

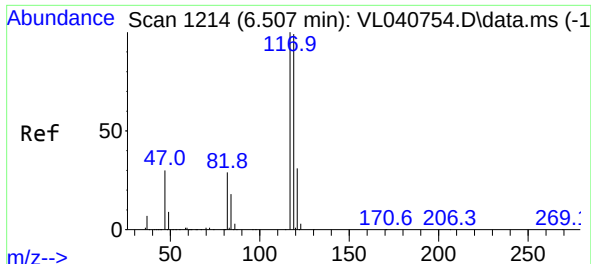
Tgt Ion: 43 Resp: 2141636

Ion Ratio Lower Upper

43 100

72 22.5 16.8 25.2

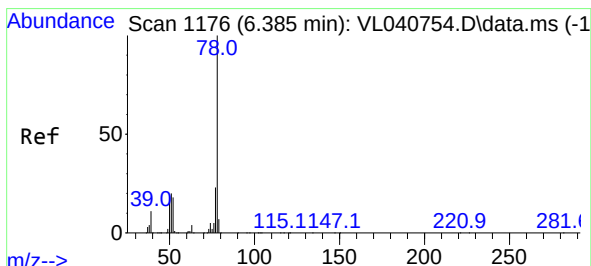
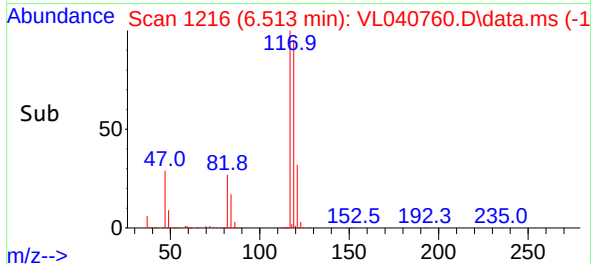
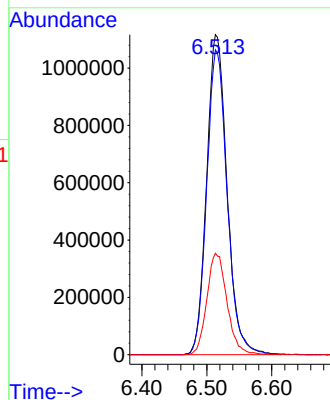
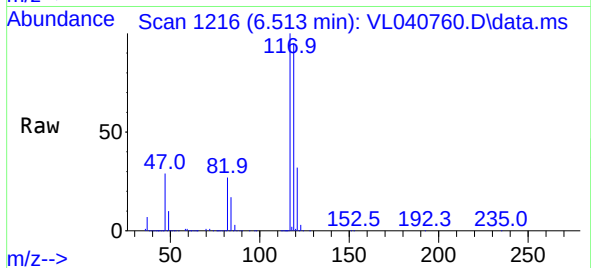




#35
Carbon Tetrachloride
Concen: 14.620 ppbv
RT: 6.513 min Scan# 117
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

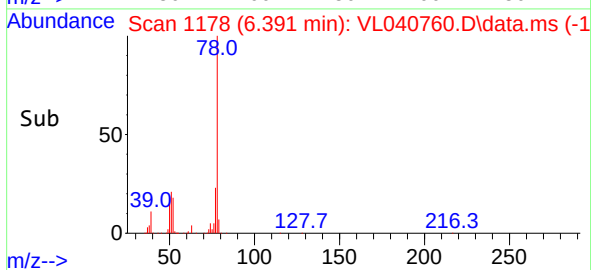
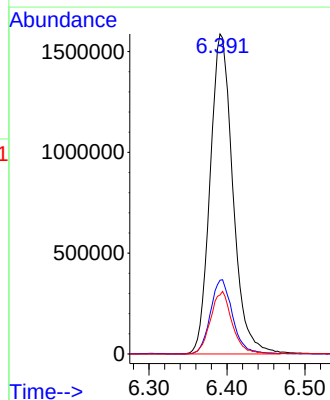
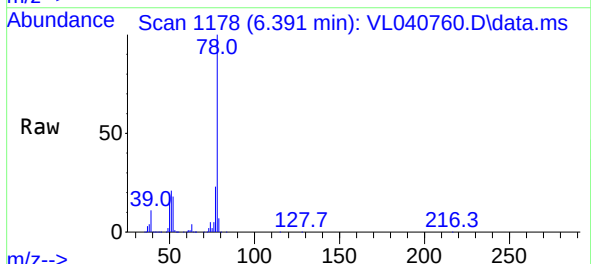
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

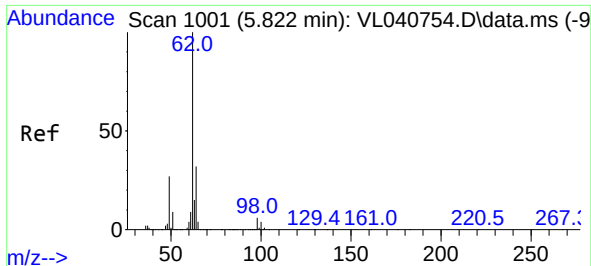
Tgt Ion:117 Resp: 2443629
Ion Ratio Lower Upper
117 100
119 95.2 79.4 119.0
121 31.7 25.0 37.4



#36
Benzene
Concen: 14.054 ppbv
RT: 6.391 min Scan# 1178
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 78 Resp: 3219244
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6
50 18.4 15.0 22.4

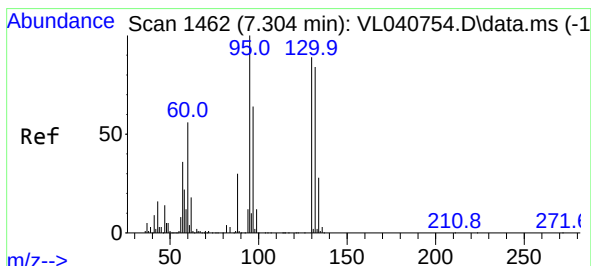
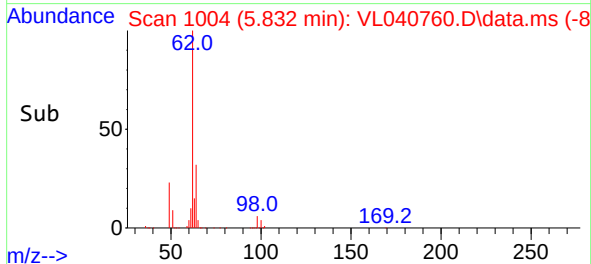
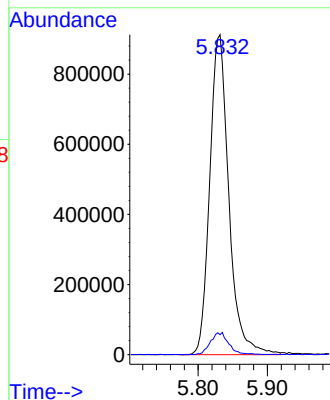
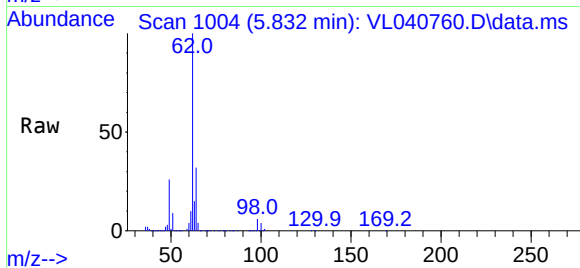




#37
1,2-Dichloroethane
Concen: 14.831 ppbv
RT: 5.832 min Scan# 1004
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

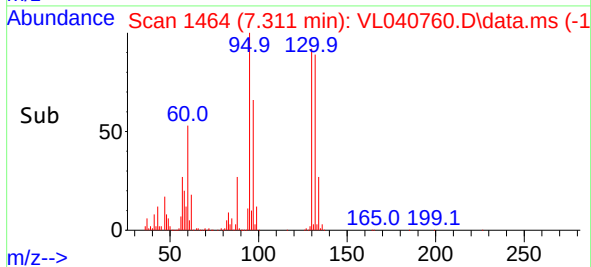
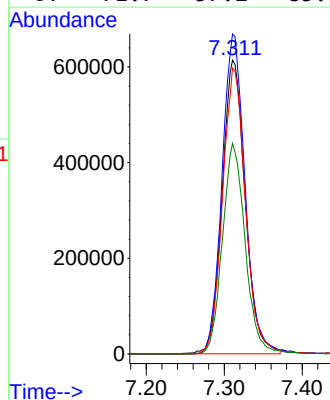
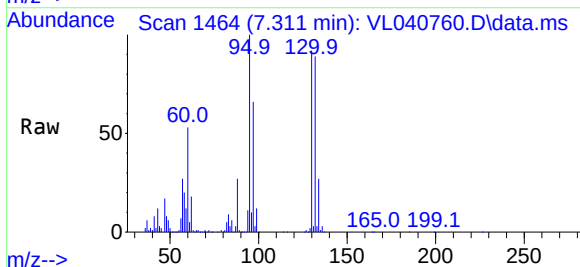
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

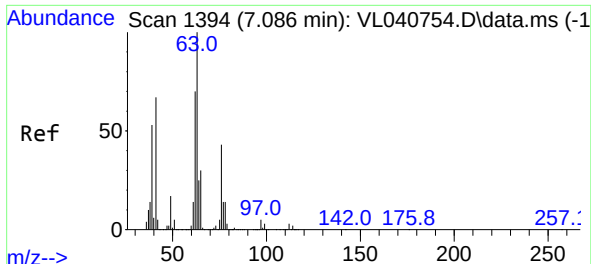
Tgt Ion: 62 Resp: 1739732
Ion Ratio Lower Upper
62 100
98 6.9 5.4 8.0



#38
Trichloroethene
Concen: 12.467 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:130 Resp: 1263778
Ion Ratio Lower Upper
130 100
95 108.9 89.4 134.2
132 97.3 74.8 112.2
97 71.7 57.2 85.8





#39

1,2-Dichloropropane

Concen: 14.139 ppbv

RT: 7.092 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

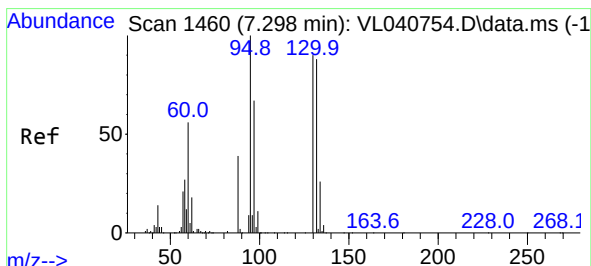
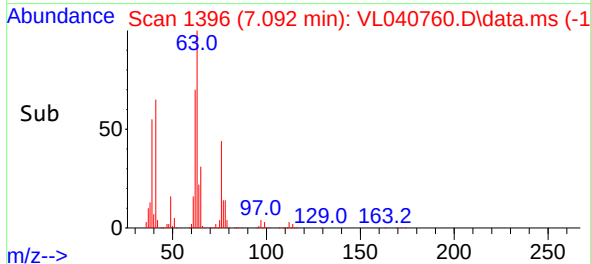
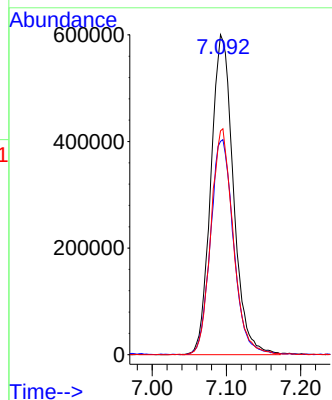
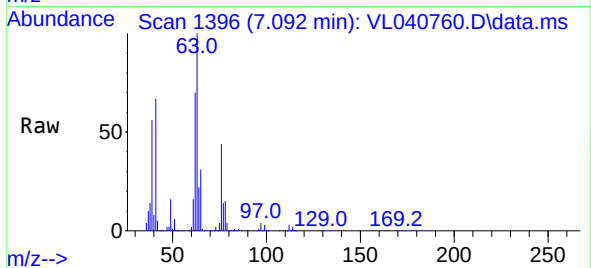
Tgt Ion: 63 Resp: 1265293

Ion Ratio Lower Upper

63 100

41 66.6 53.7 80.5

62 69.8 55.7 83.5



#40

1,4-Dioxane

Concen: 13.844 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.003 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Tgt Ion: 88 Resp: 468819

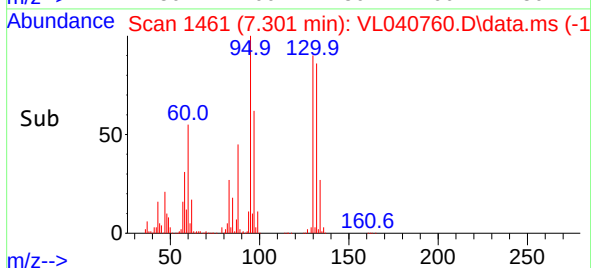
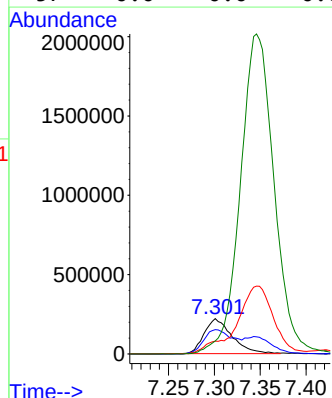
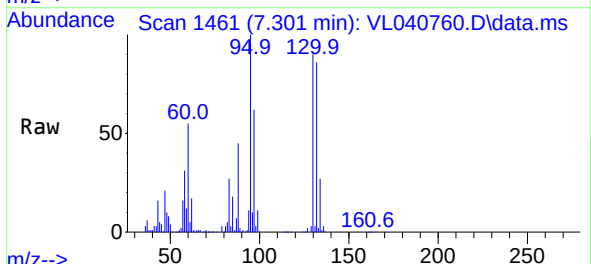
Ion Ratio Lower Upper

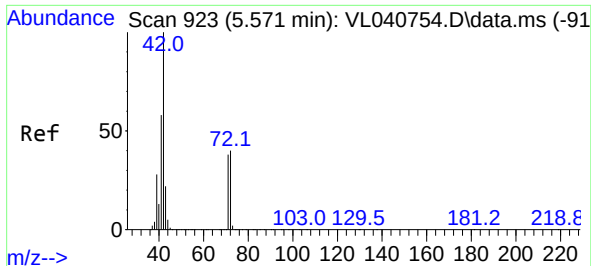
88 100

58 70.5 100.0 150.0#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 14.807 ppbv

RT: 5.578 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

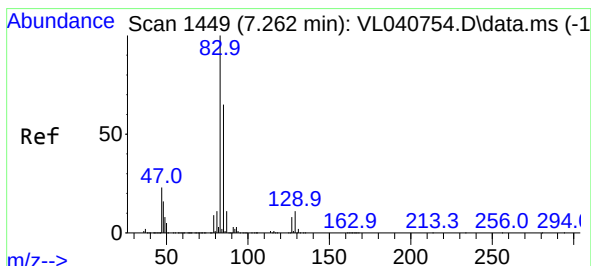
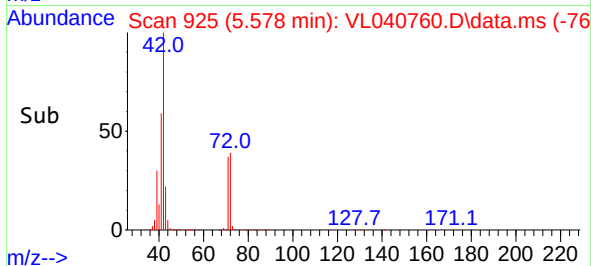
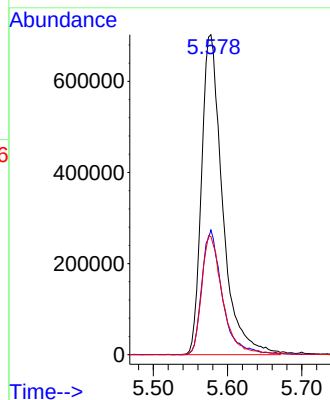
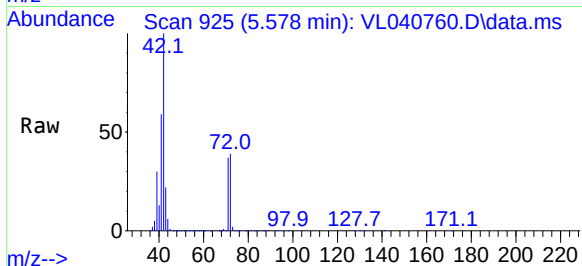
MSVOA_L

ClientSampleId :

VSTDICC015

Tgt Ion: 42 Resp: 1382163

Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.1	46.7
71	37.3	29.7	44.5



#42

Bromodichloromethane

Concen: 14.512 ppbv

RT: 7.269 min Scan# 1451

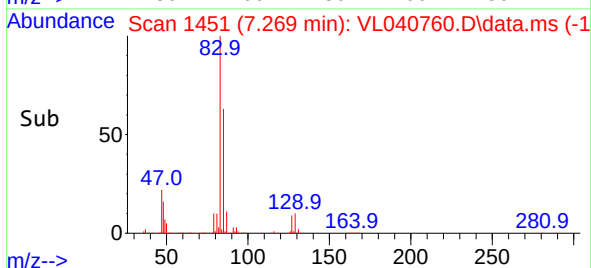
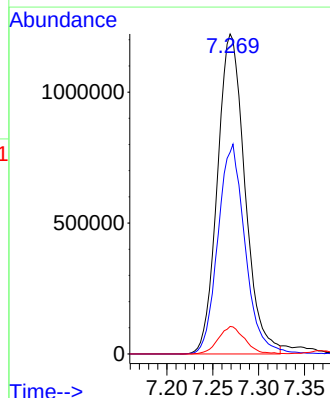
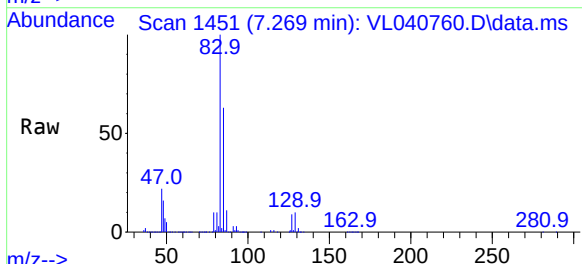
Delta R.T. 0.006 min

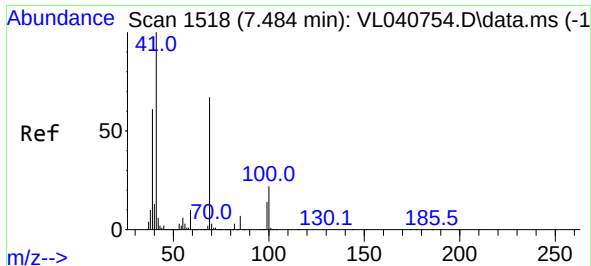
Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Tgt Ion: 83 Resp: 2550114

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.1	78.1
127	8.6	6.7	10.1



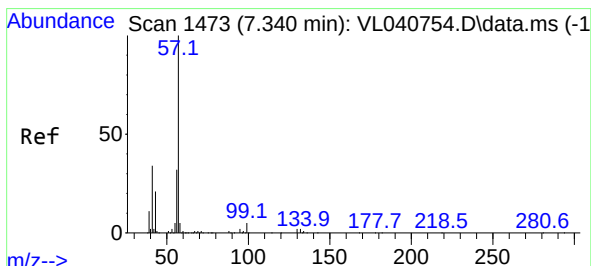
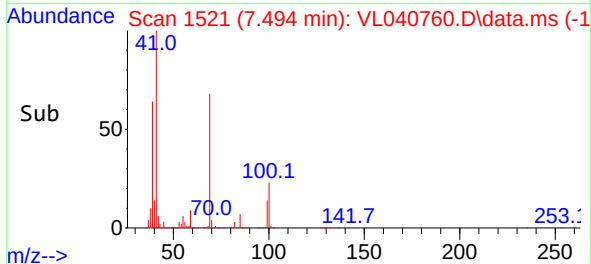
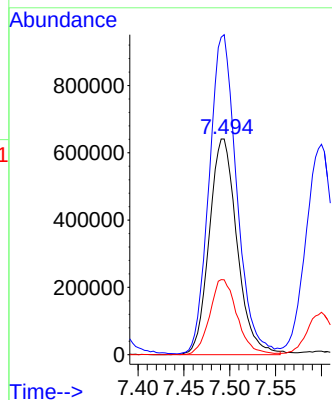
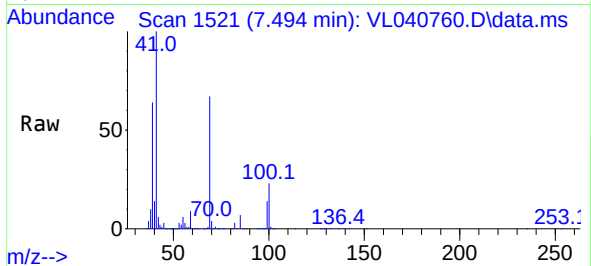


#43
Methyl Methacrylate
Concen: 14.726 ppbv
RT: 7.494 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Instrument :
MSVOA_1
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 1350177

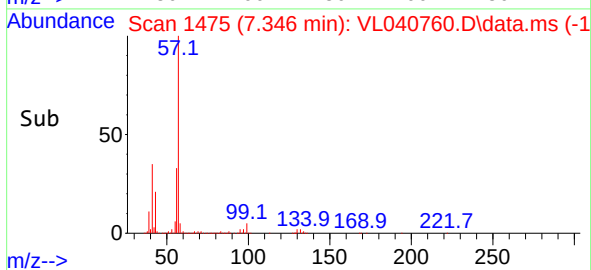
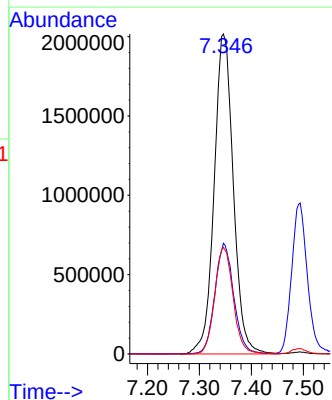
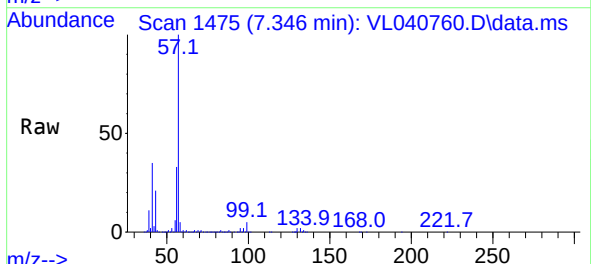
Ion	Ratio	Lower	Upper
69	100		
41	147.5	120.6	181.0
100	34.3	27.1	40.7

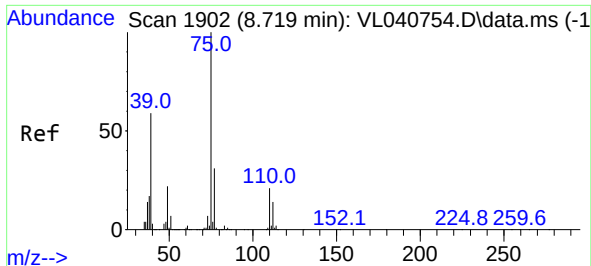


#44
2,2,4-Trimethylpentane
Concen: 13.345 ppbv
RT: 7.346 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 57 Resp: 5169123

Ion	Ratio	Lower	Upper
57	100		
41	34.2	27.4	41.0
56	32.0	25.0	37.6

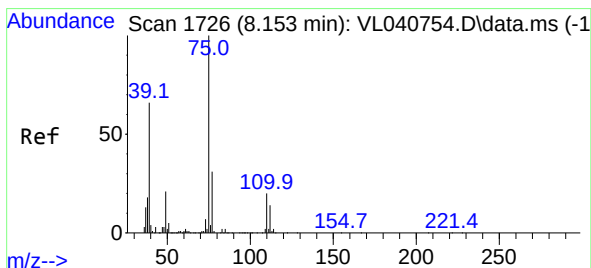
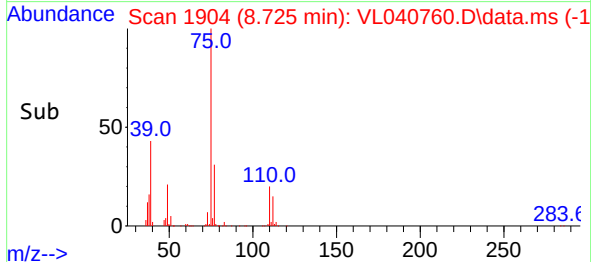
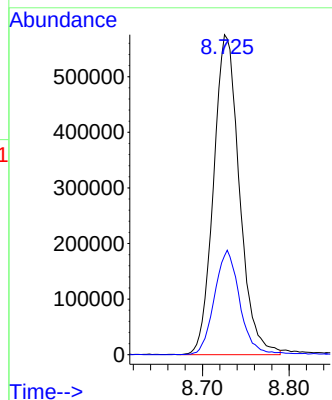
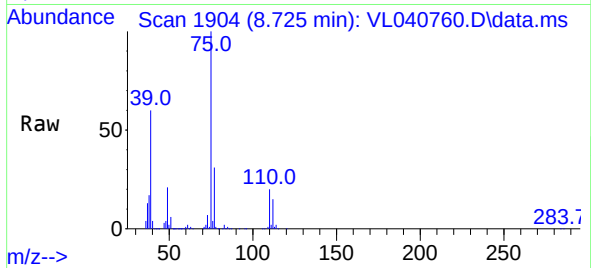




#45
 t-1,3-Dichloropropene
 Concen: 16.354 ppbv
 RT: 8.725 min Scan# 1902
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

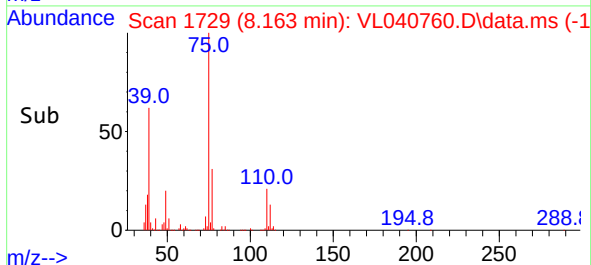
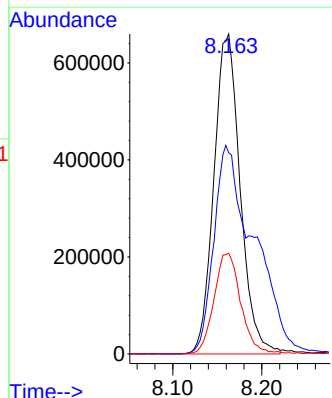
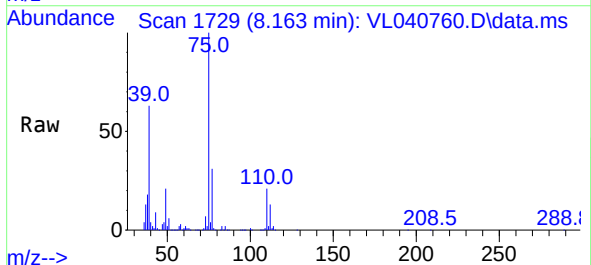
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

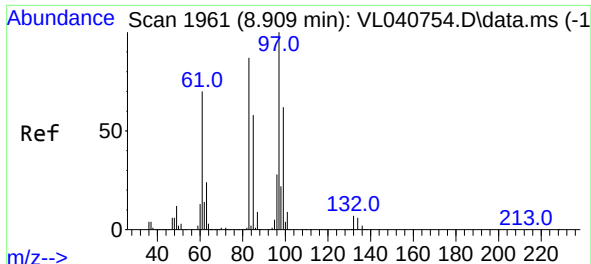
Tgt Ion: 75 Resp: 1195669
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.9 37.3



#46
 cis-1,3-Dichloropropene
 Concen: 15.146 ppbv
 RT: 8.163 min Scan# 1729
 Delta R.T. 0.010 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Tgt Ion: 75 Resp: 1352875
 Ion Ratio Lower Upper
 75 100
 39 62.8 52.4 78.6
 77 31.5 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 14.147 ppbv

RT: 8.918 min Scan# 1961

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1329789

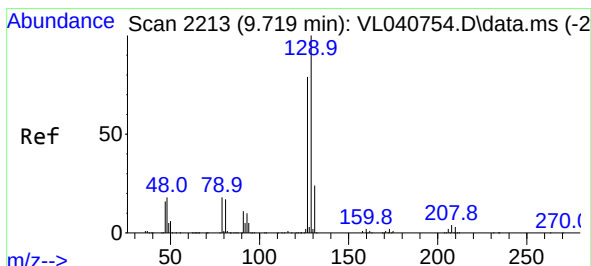
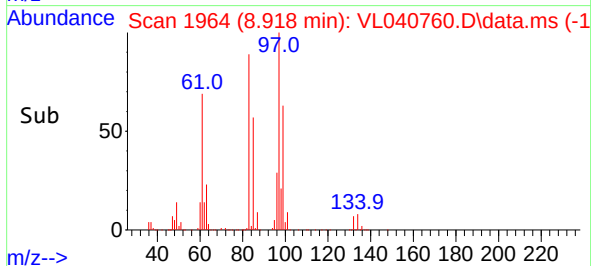
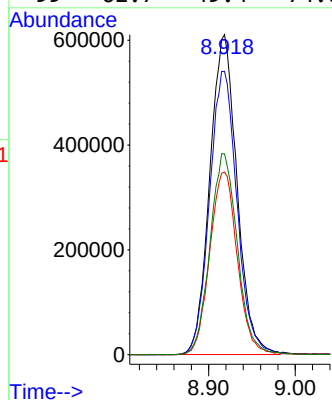
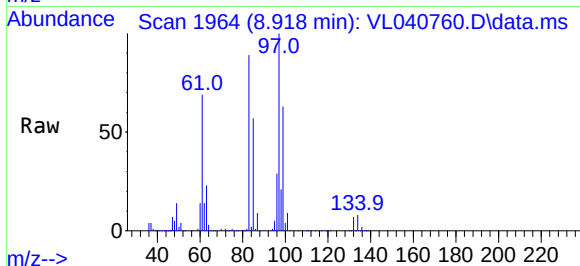
Ion Ratio Lower Upper

97 100

83 88.4 69.5 104.3

85 56.9 46.6 69.8

99 62.7 49.4 74.0



#48

Dibromochloromethane

Concen: 14.859 ppbv

RT: 9.729 min Scan# 2216

Delta R.T. 0.010 min

Lab File: VL040760.D

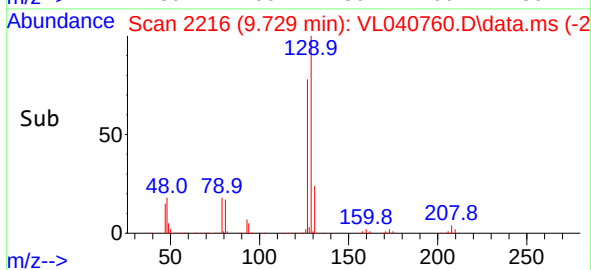
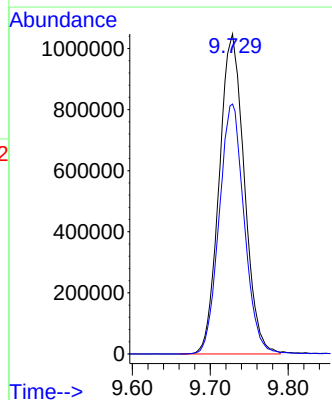
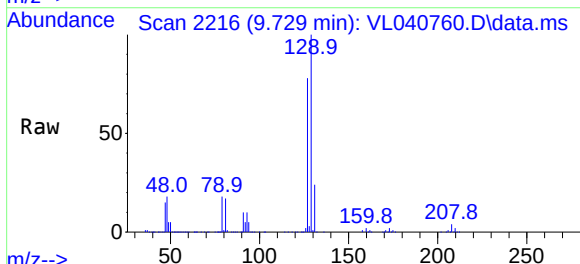
Acq: 11 Oct 2023 15:51

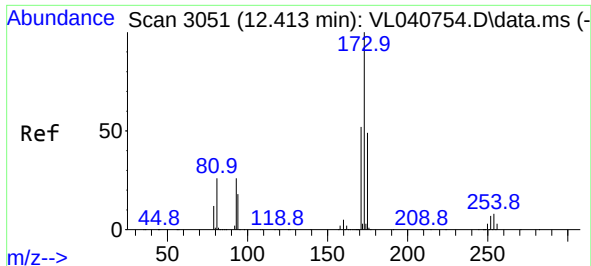
Tgt Ion: 129 Resp: 2340656

Ion Ratio Lower Upper

129 100

127 78.3 39.1 117.3

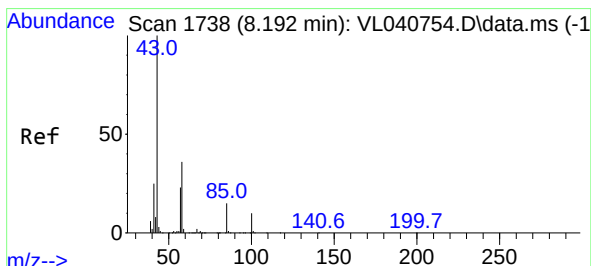
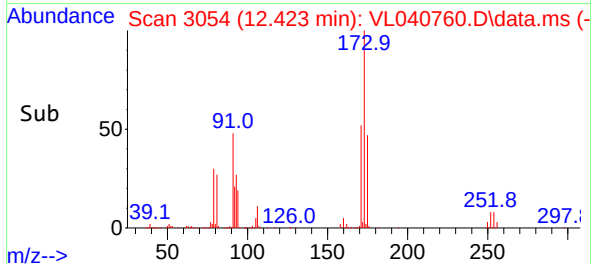
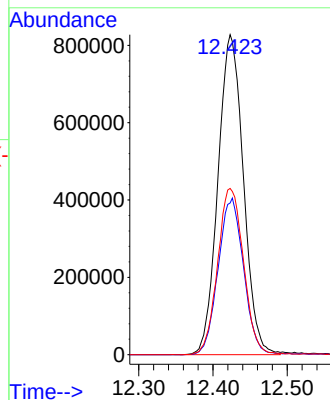
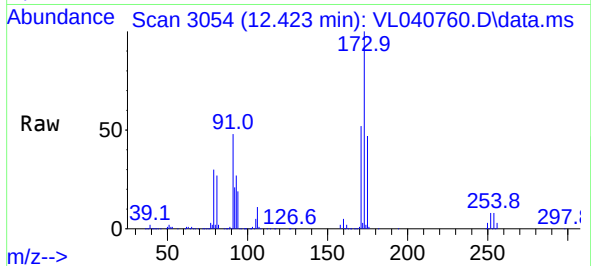




#49
Bromoform
Concen: 15.393 ppbv
RT: 12.423 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

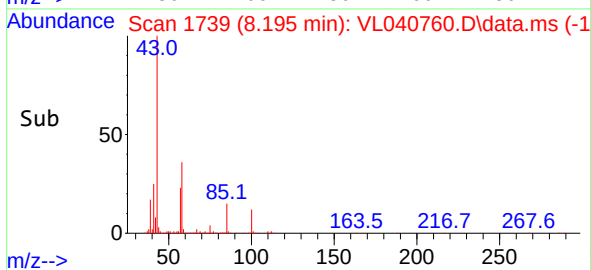
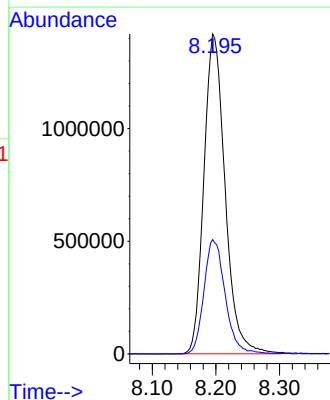
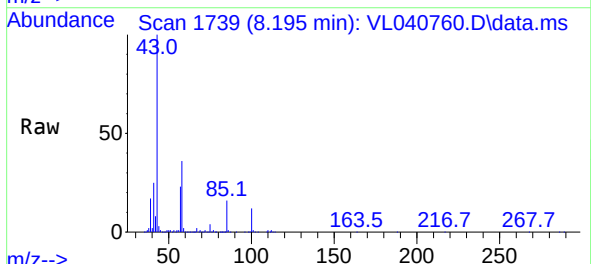
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

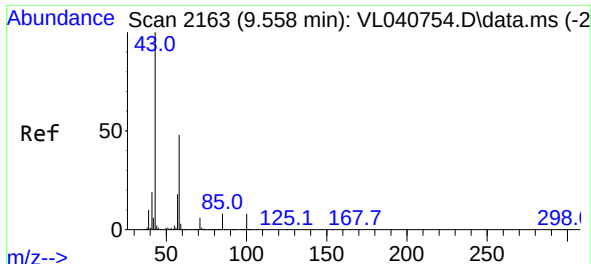
Tgt Ion:173 Resp: 1971116
Ion Ratio Lower Upper
173 100
175 49.1 39.2 58.8
171 53.2 42.0 63.0



#50
4-Methyl-2-Pentanone
Concen: 14.227 ppbv
RT: 8.195 min Scan# 1739
Delta R.T. 0.003 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 43 Resp: 3280519
Ion Ratio Lower Upper
43 100
58 36.0 28.8 43.2

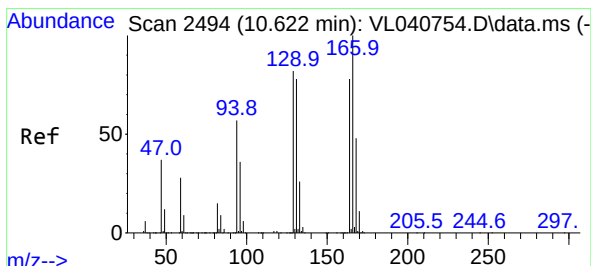
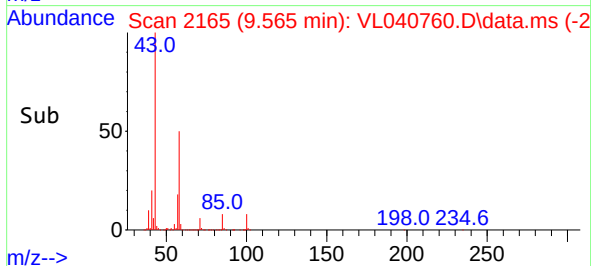
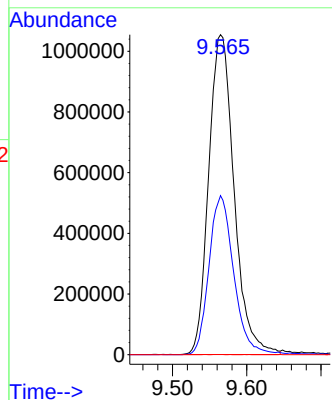
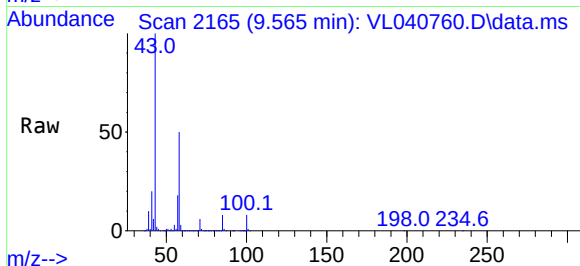




#51
2-Hexanone
Concen: 14.280 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

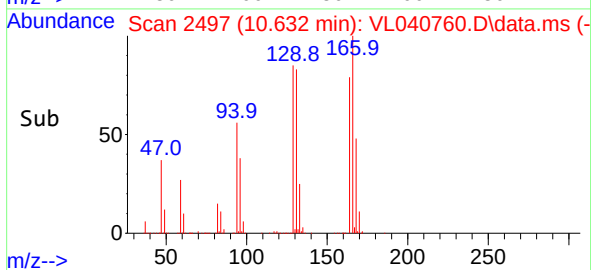
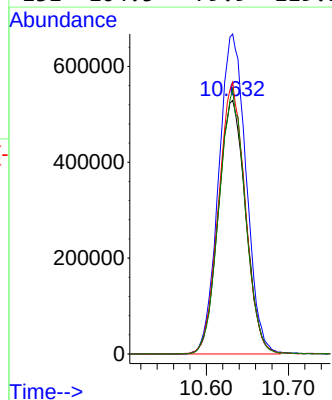
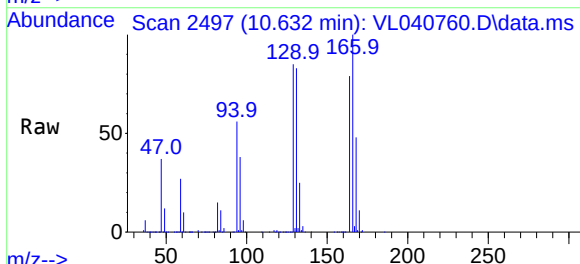
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

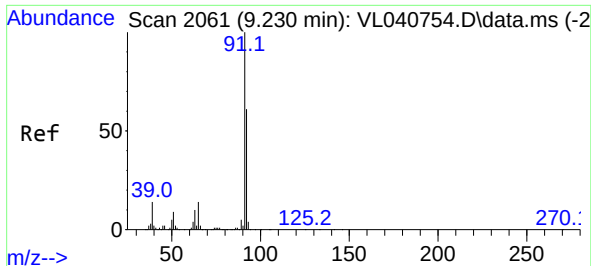
Tgt Ion: 43 Resp: 2506096
Ion Ratio Lower Upper
43 100
58 49.1 38.6 58.0
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 13.183 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:164 Resp: 1226536
Ion Ratio Lower Upper
164 100
166 126.3 102.4 153.6
129 107.1 84.2 126.4
131 104.5 79.9 119.9

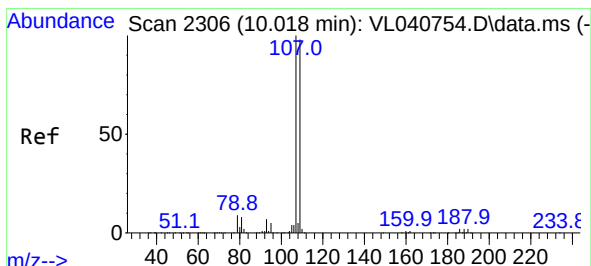
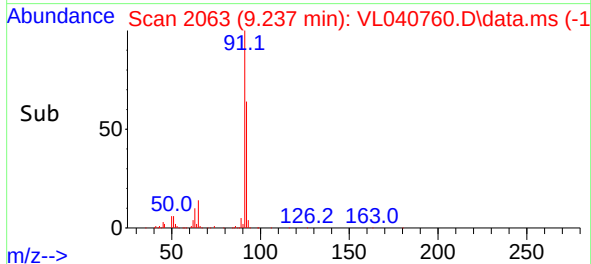
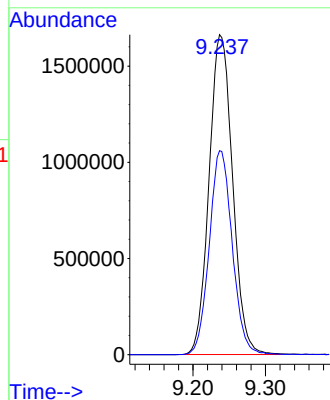
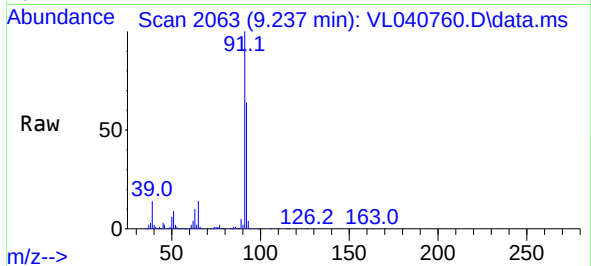




#53
Toluene
Concen: 13.736 ppbv
RT: 9.237 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

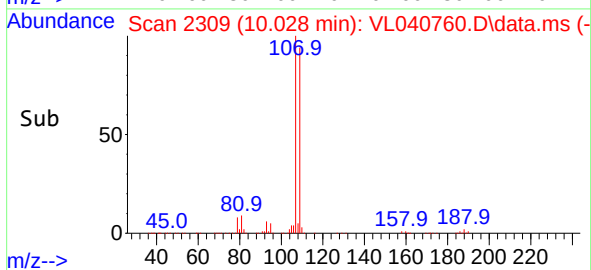
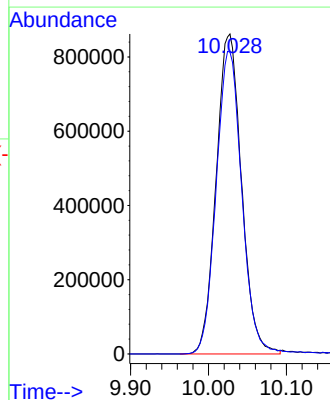
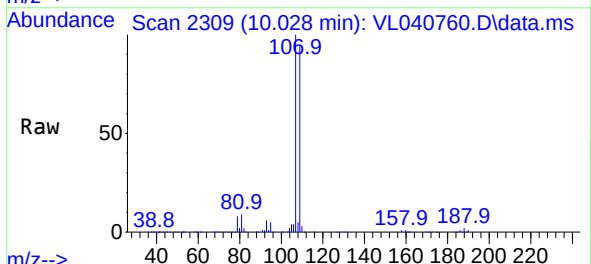
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

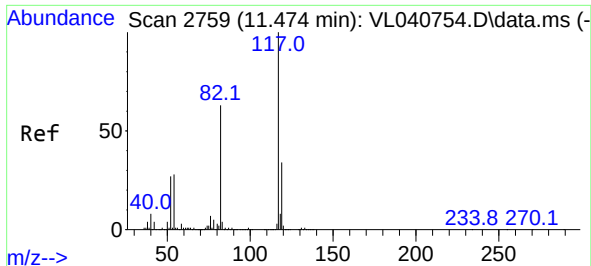
Tgt Ion: 91 Resp: 3744491
Ion Ratio Lower Upper
91 100
92 62.5 50.2 75.2



#54
1,2-Dibromoethane
Concen: 14.796 ppbv
RT: 10.028 min Scan# 2309
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 107 Resp: 1949799
Ion Ratio Lower Upper
107 100
109 94.3 78.2 117.2

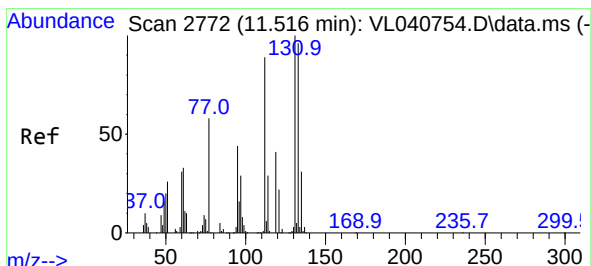
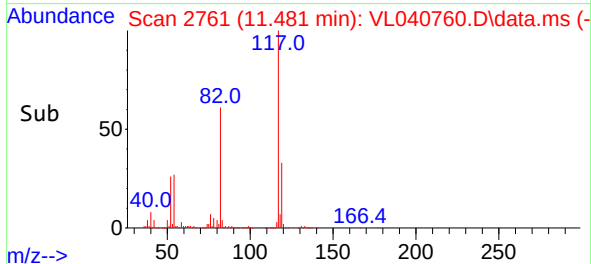
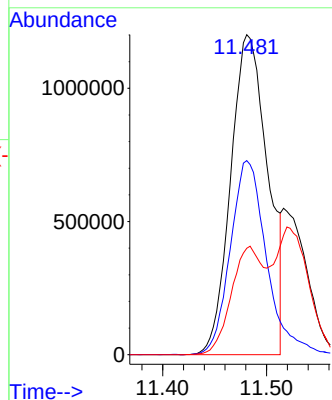
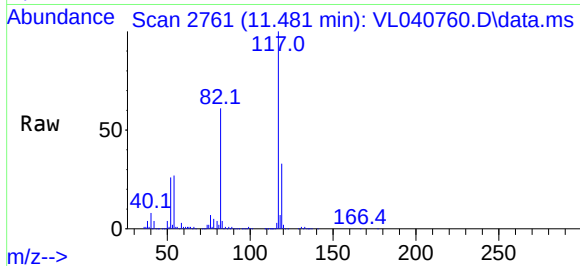




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

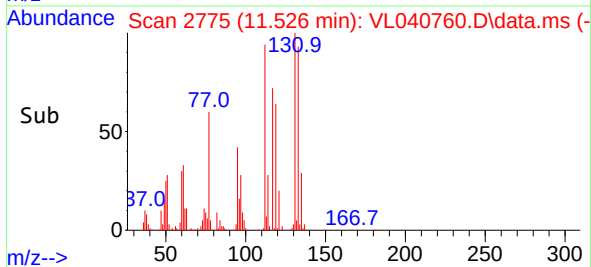
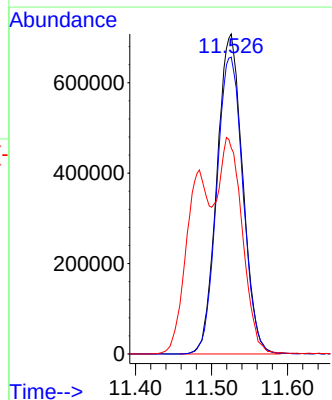
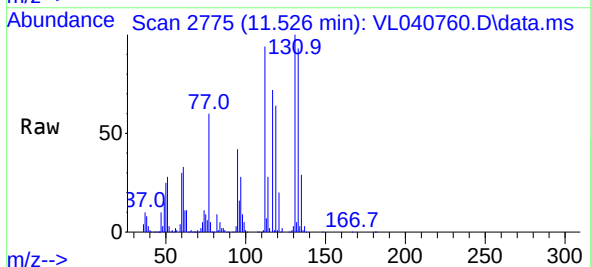
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

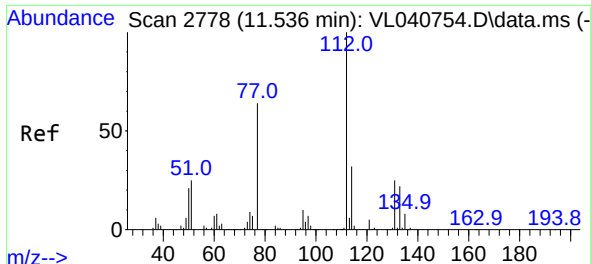
Tgt Ion:117 Resp: 2977568
Ion Ratio Lower Upper
117 100
82 59.9 46.6 70.0
119 27.4 26.0 39.0



#56
1,1,1,2-Tetrachloroethane
Concen: 13.698 ppbv
RT: 11.526 min Scan# 2775
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:131 Resp: 1664595
Ion Ratio Lower Upper
131 100
133 94.9 75.0 112.6
119 62.5 45.4 68.0

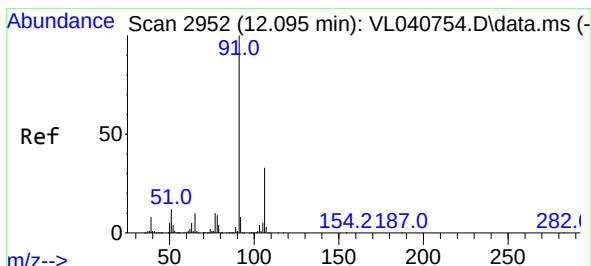
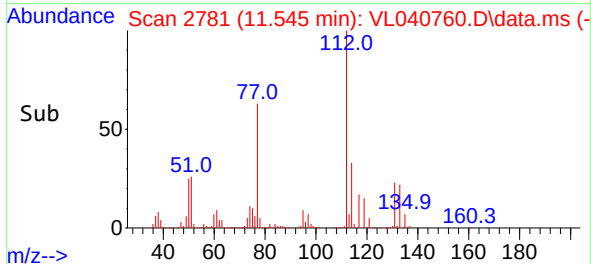
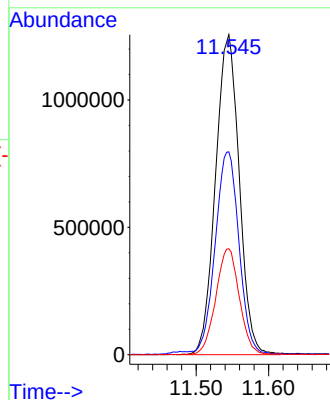
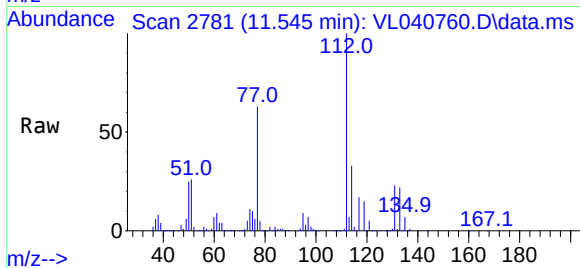




#57
Chlorobenzene
Concen: 13.372 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

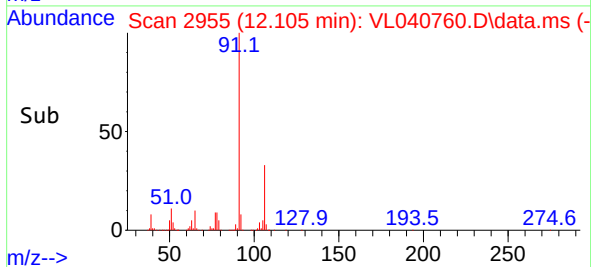
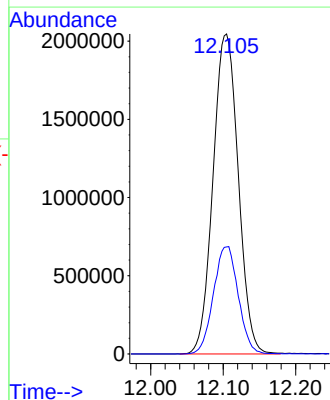
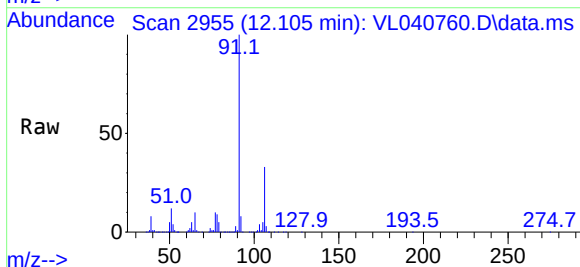
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

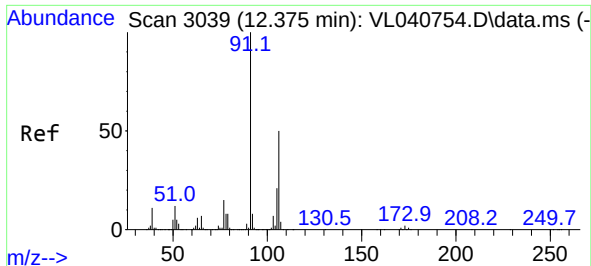
Tgt Ion:112 Resp: 2852906
Ion Ratio Lower Upper
112 100
77 63.1 51.9 77.9
114 33.0 28.6 35.0



#58
Ethyl Benzene
Concen: 13.188 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 91 Resp: 4944221
Ion Ratio Lower Upper
91 100
106 33.4 26.7 40.1





#59

m/p-Xylene

Concen: 13.328 ppbv

RT: 12.388 min Scan# 3039

Delta R.T. 0.013 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

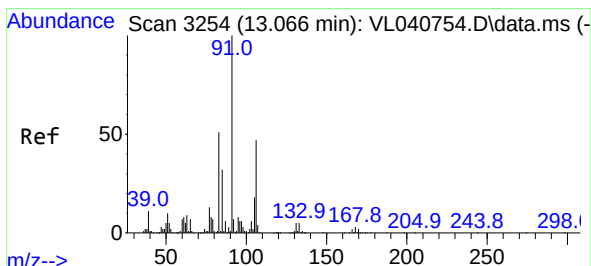
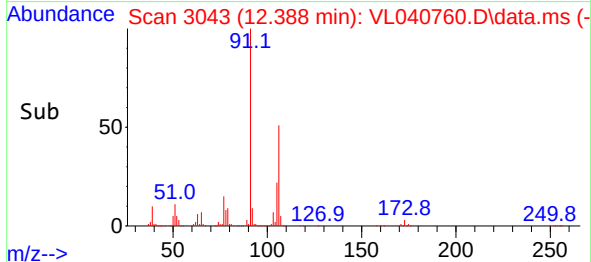
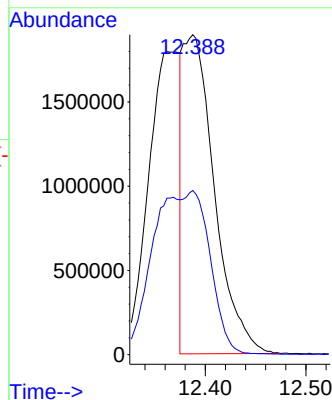
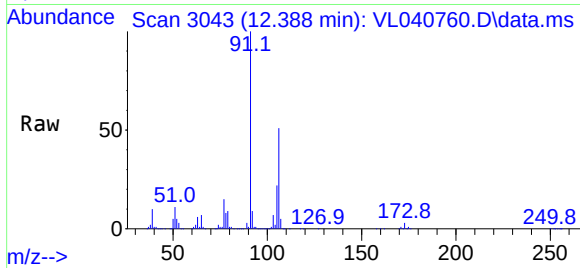
VSTDIC015

Tgt Ion: 91 Resp: 4112365

Ion Ratio Lower Upper

91 100

106 93.4 37.7 56.5#



#60

o-Xylene

Concen: 12.955 ppbv

RT: 13.076 min Scan# 3257

Delta R.T. 0.010 min

Lab File: VL040760.D

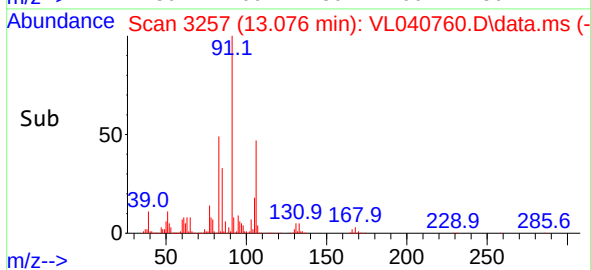
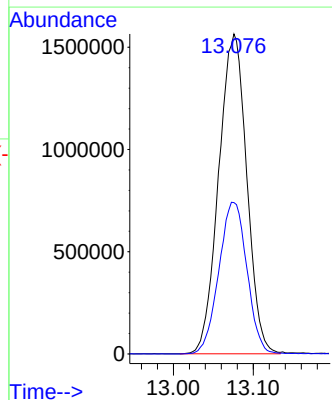
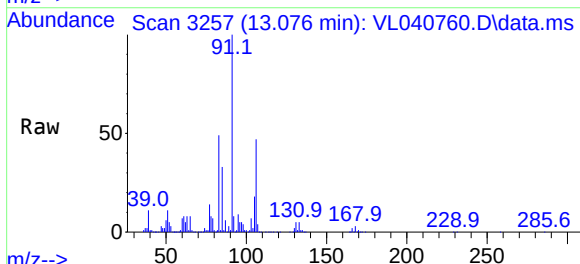
Acq: 11 Oct 2023 15:51

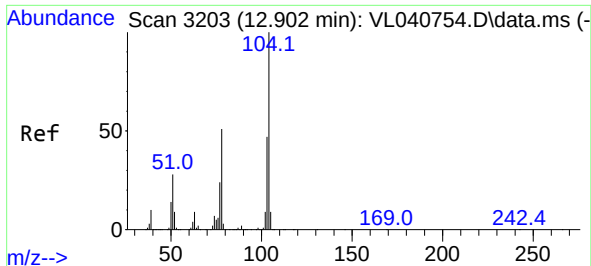
Tgt Ion: 91 Resp: 3808798

Ion Ratio Lower Upper

91 100

106 47.7 23.5 70.5

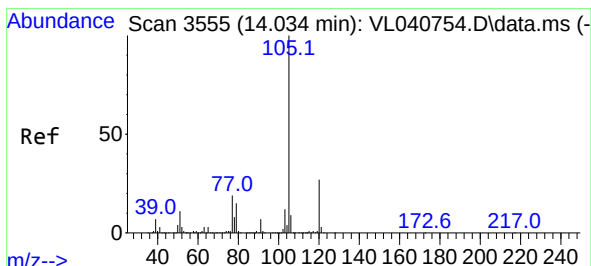
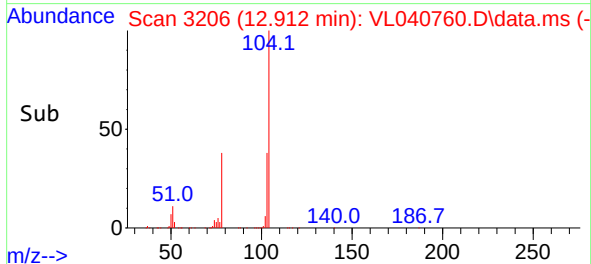
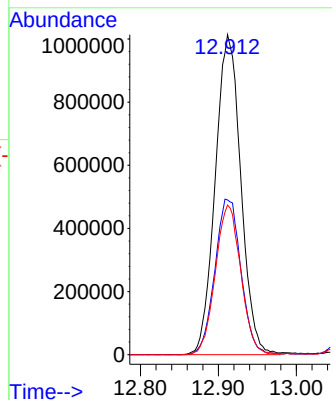
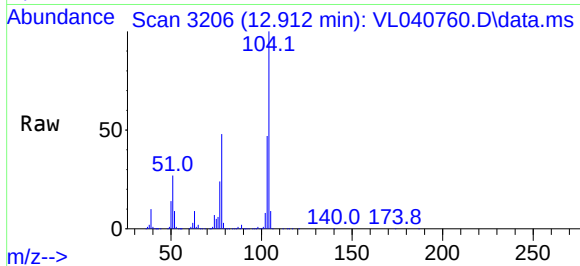




#61
Styrene
Concen: 14.202 ppbv
RT: 12.912 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

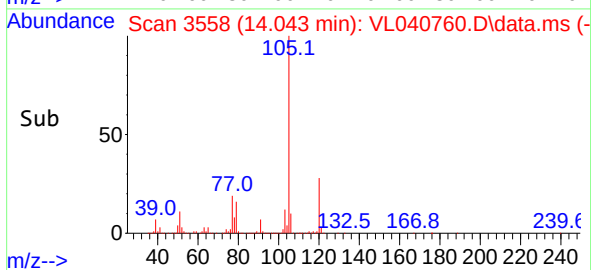
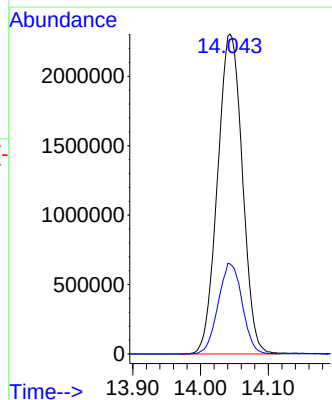
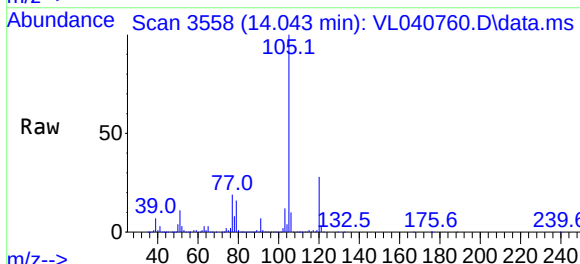
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

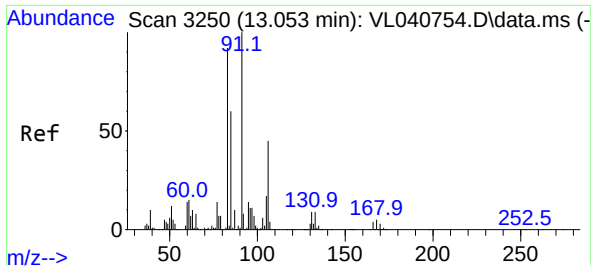
Tgt Ion:104 Resp: 2313412
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.6
103 46.8 37.5 56.3



#62
Isopropylbenzene
Concen: 12.948 ppbv
RT: 14.043 min Scan# 3558
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:105 Resp: 5856158
Ion Ratio Lower Upper
105 100
120 27.4 21.5 32.3

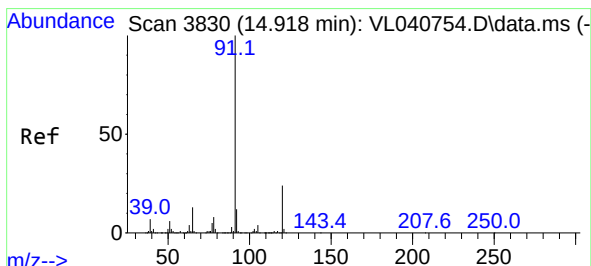
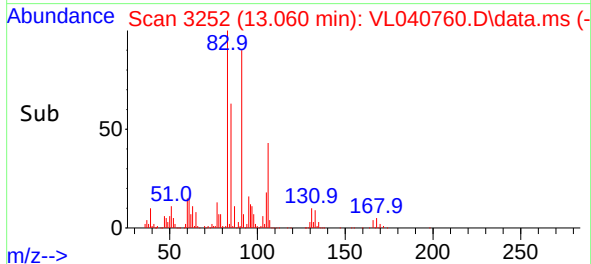
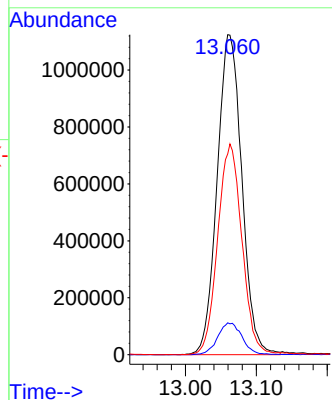
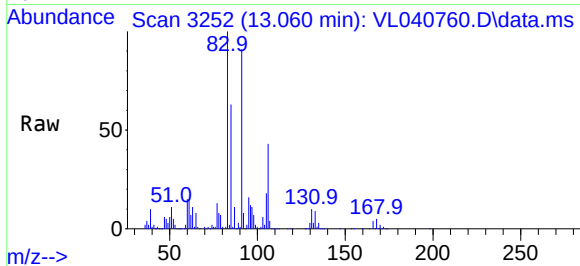




#63
1,1,2,2-Tetrachloroethane
Concen: 12.357 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

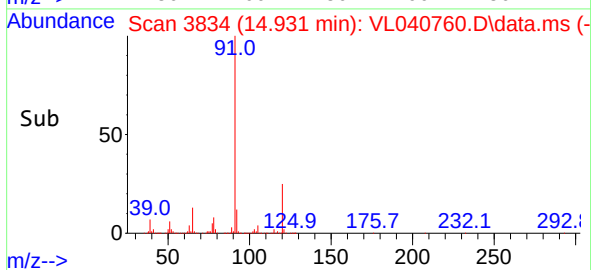
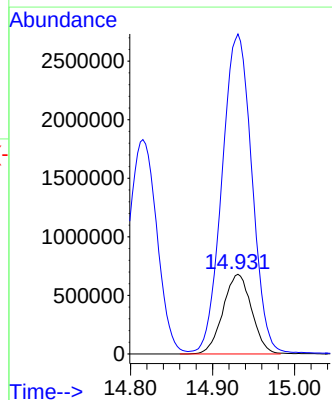
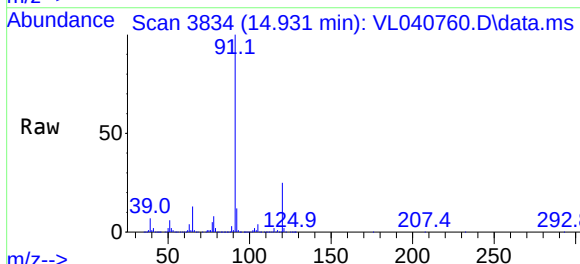
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

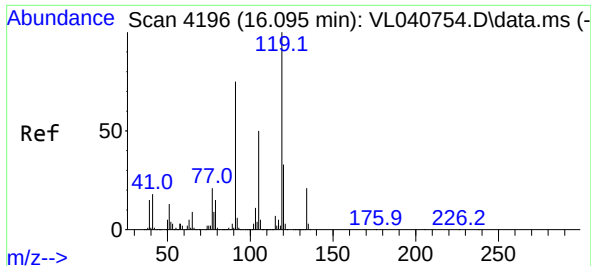
Tgt Ion: 83 Resp: 2723791
Ion Ratio Lower Upper
83 100
131 9.9 4.9 14.6
85 65.3 32.9 98.7



#64
n-propylbenzene
Concen: 13.524 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. 0.013 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:120 Resp: 1643180
Ion Ratio Lower Upper
120 100
91 422.5 345.9 518.9

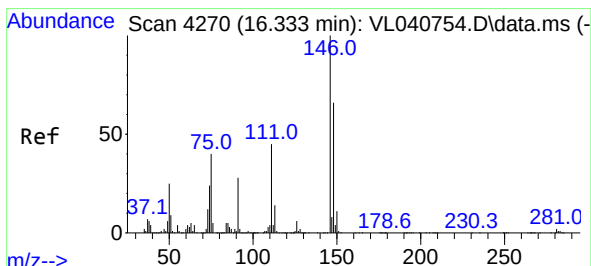
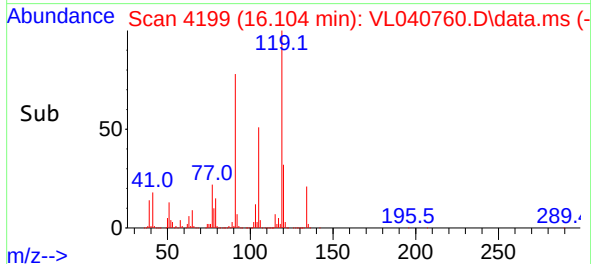
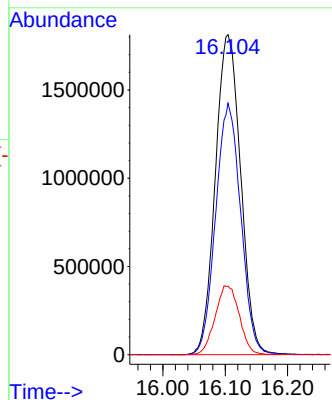
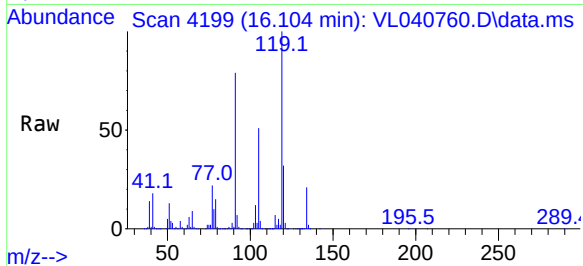




#65
tert-Butylbenzene
Concen: 12.547 ppbv
RT: 16.104 min Scan# 4196
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

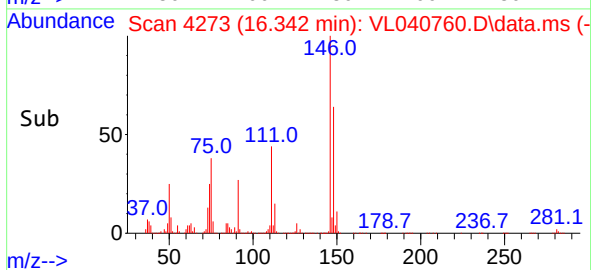
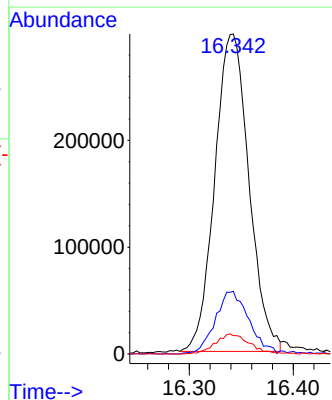
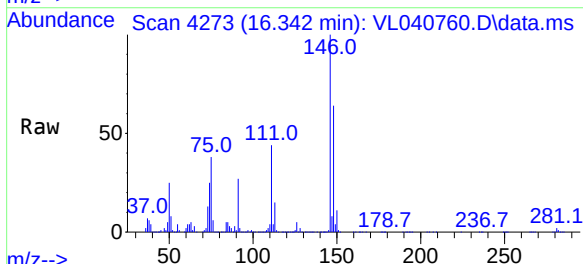
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

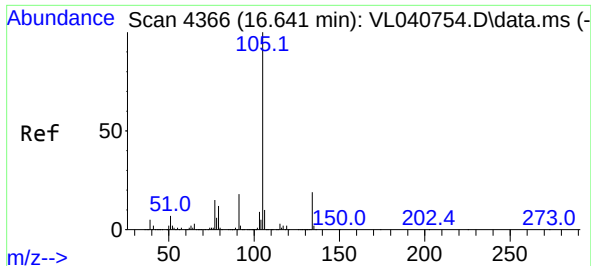
Tgt Ion:119 Resp: 5118402
Ion Ratio Lower Upper
119 100
91 77.7 62.2 93.2
134 20.5 16.1 24.1



#66
Benzyl Chloride
Concen: 16.539 ppbv
RT: 16.342 min Scan# 4273
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 91 Resp: 679722
Ion Ratio Lower Upper
91 100
126 20.0 16.1 24.1
128 6.3 5.2 7.8

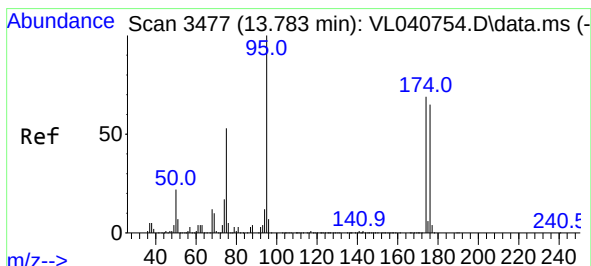
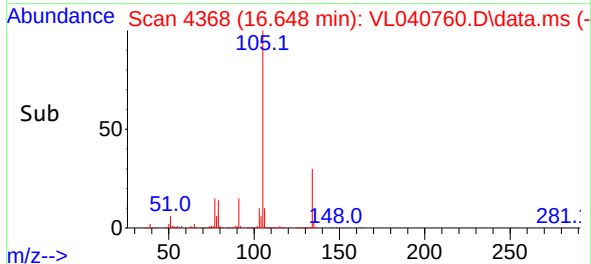
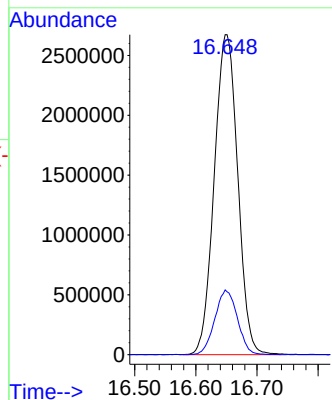
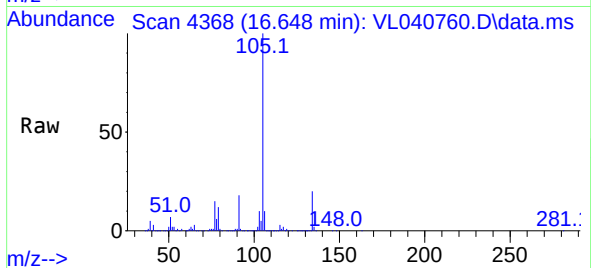




#67
sec-Butylbenzene
Concen: 12.760 ppbv
RT: 16.648 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

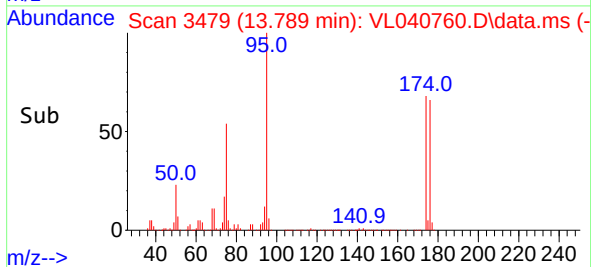
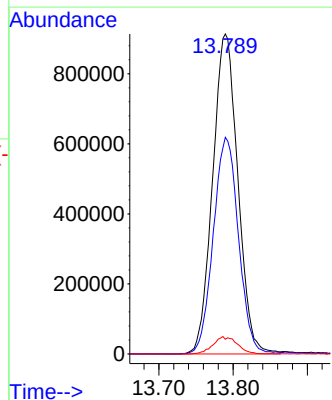
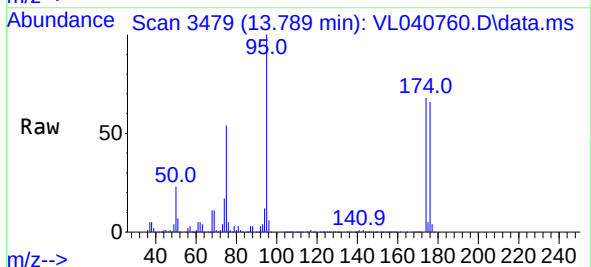
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

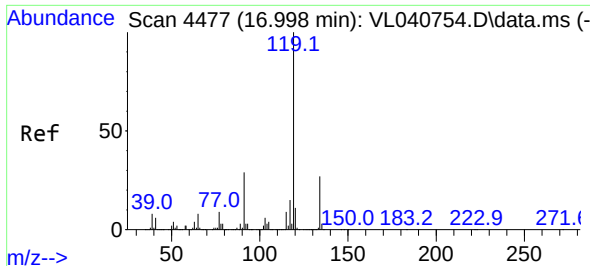
Tgt Ion:105 Resp: 7126812
Ion Ratio Lower Upper
105 100
134 19.5 15.4 23.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.835 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 95 Resp: 2154780
Ion Ratio Lower Upper
95 100
174 68.3 54.7 82.1
175 5.3 4.2 6.4

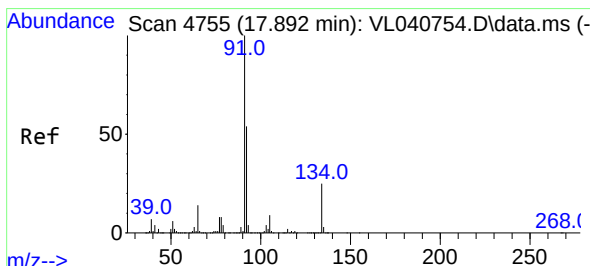
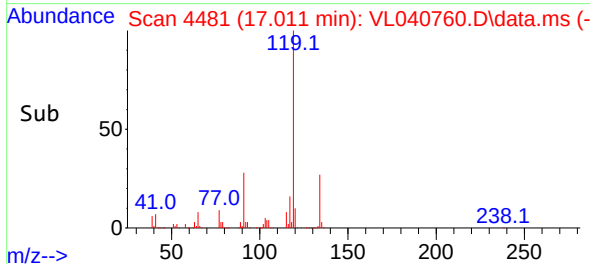
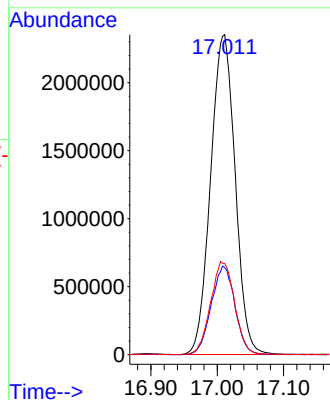
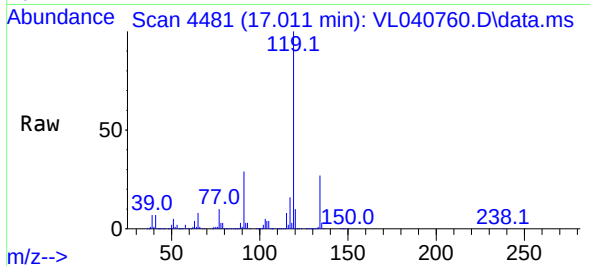




#69
p-Isopropyltoluene
Concen: 12.902 ppbv
RT: 17.011 min Scan# 44
Delta R.T. 0.013 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

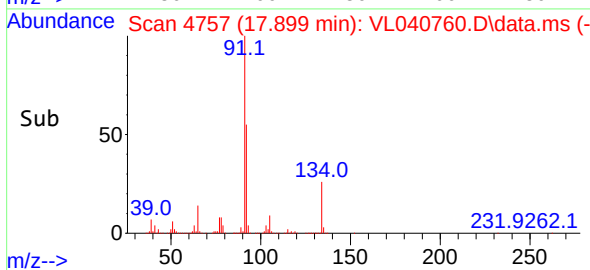
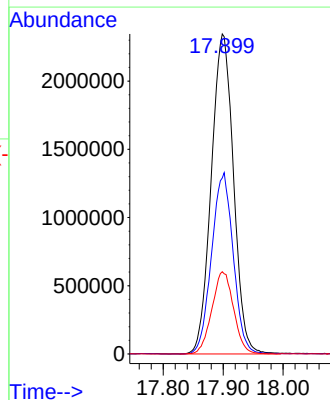
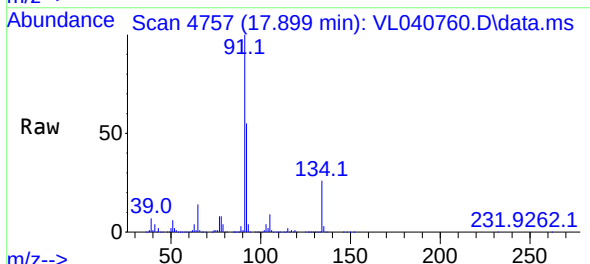
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

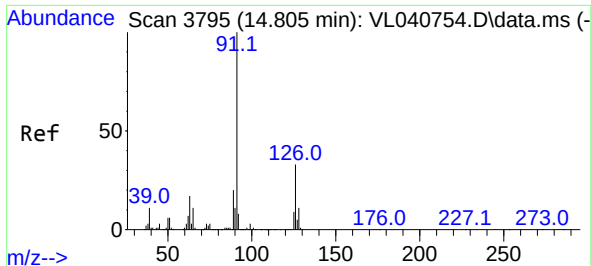
Tgt Ion:119 Resp: 6038125
Ion Ratio Lower Upper
119 100
134 26.9 21.0 31.4
91 28.4 22.8 34.2



#70
n-Butylbenzene
Concen: 13.123 ppbv
RT: 17.899 min Scan# 4757
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion: 91 Resp: 6030712
Ion Ratio Lower Upper
91 100
92 55.3 44.1 66.1
134 25.2 19.5 29.3

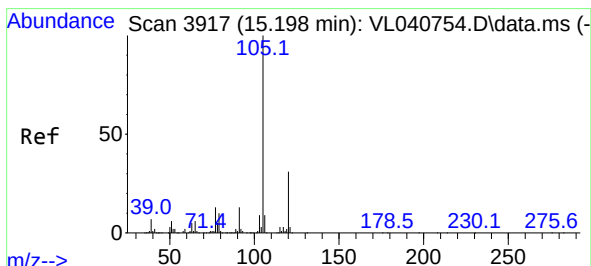
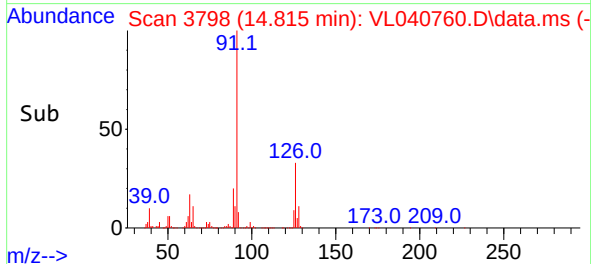
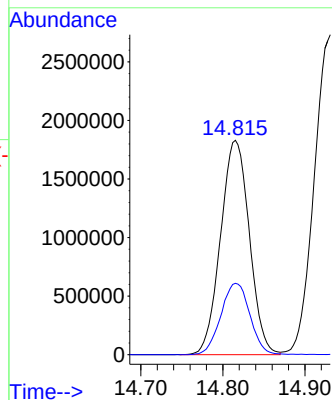
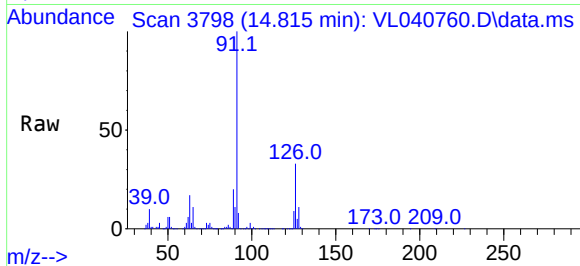




#71
2-Chlorotoluene
Concen: 13.157 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

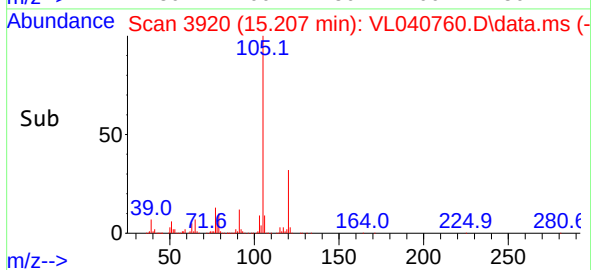
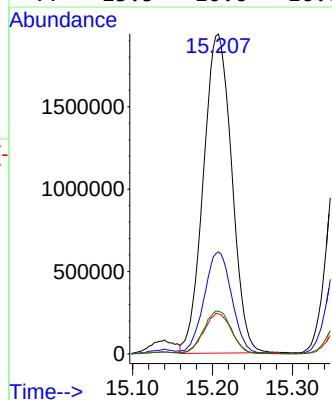
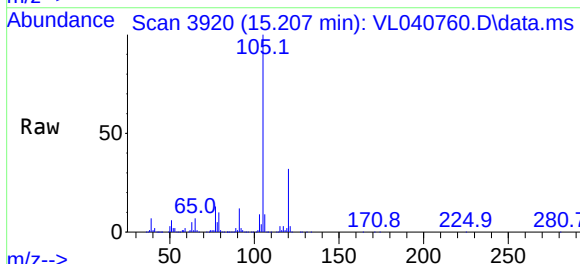
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

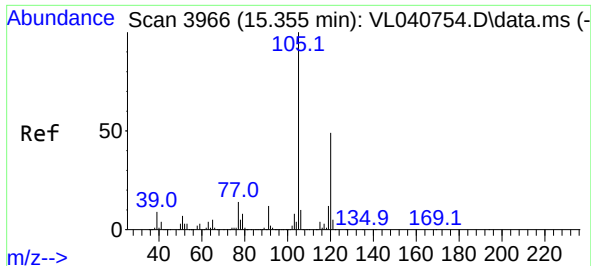
Tgt Ion: 91 Resp: 4470181
Ion Ratio Lower Upper
91 100
126 33.7 13.3 53.1



#72
4-Ethyltoluene
Concen: 13.852 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:105 Resp: 4769025
Ion Ratio Lower Upper
105 100
120 31.5 25.0 37.4
91 12.5 9.8 14.8
77 13.5 10.6 16.0

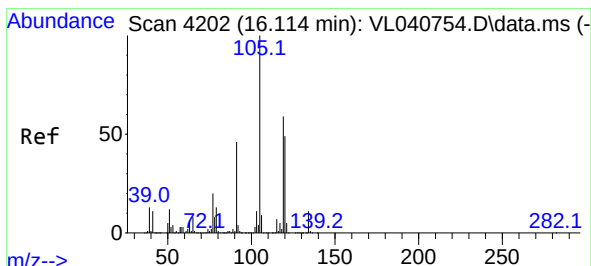
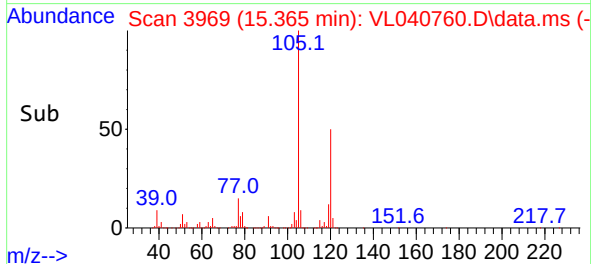
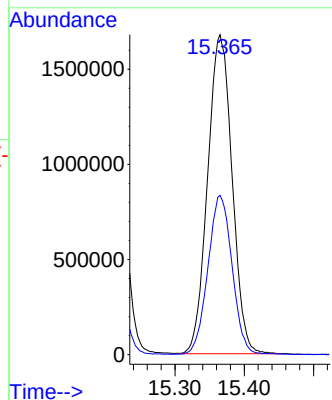
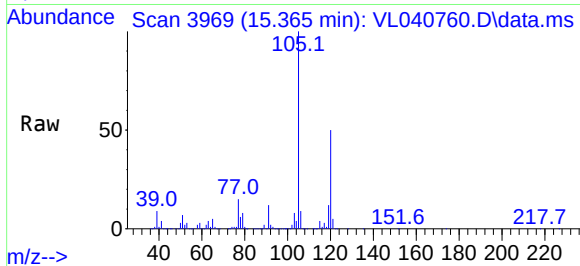




#73
1,3,5-Trimethylbenzene
Concen: 13.569 ppbv
RT: 15.365 min Scan# 3966
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

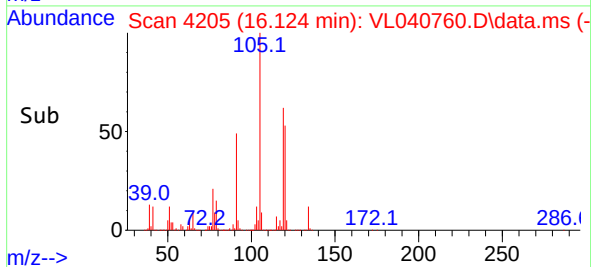
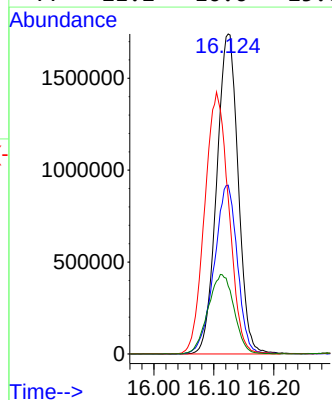
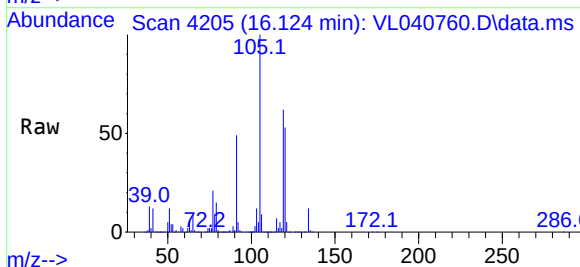
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

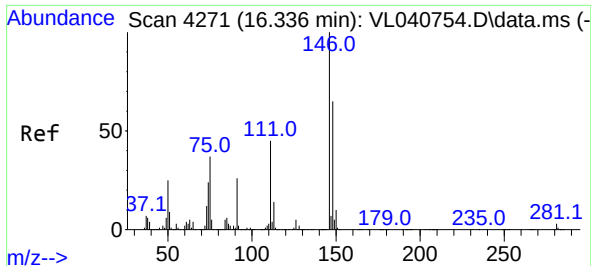
Tgt Ion:105 Resp: 4112917
Ion Ratio Lower Upper
105 100
120 49.7 39.4 59.2



#74
1,2,4-Trimethylbenzene
Concen: 13.033 ppbv
RT: 16.124 min Scan# 4205
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:105 Resp: 4316410
Ion Ratio Lower Upper
105 100
120 52.7 39.4 59.2
91 48.7 38.6 58.0
77 21.2 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 13.518 ppbv

RT: 16.346 min Scan# 4271

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

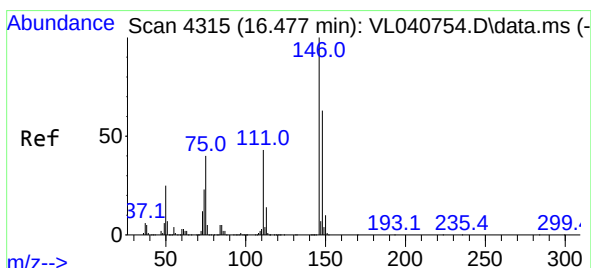
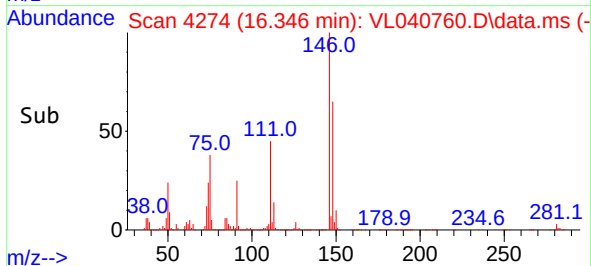
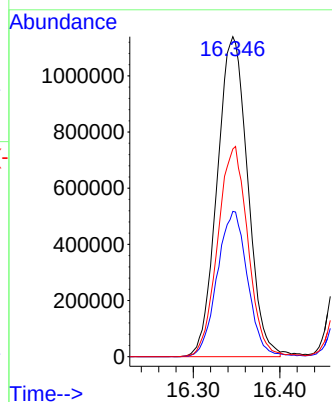
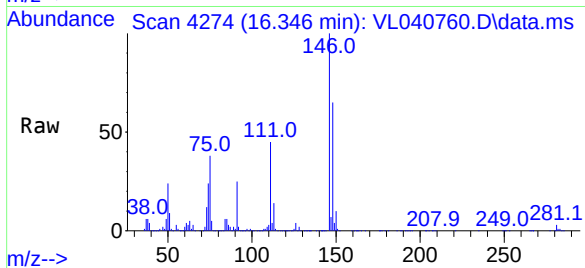
Tgt Ion:146 Resp: 2784299

Ion Ratio Lower Upper

146 100

111 45.3 22.6 67.7

148 65.2 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 13.673 ppbv

RT: 16.487 min Scan# 4318

Delta R.T. 0.010 min

Lab File: VL040760.D

Acq: 11 Oct 2023 15:51

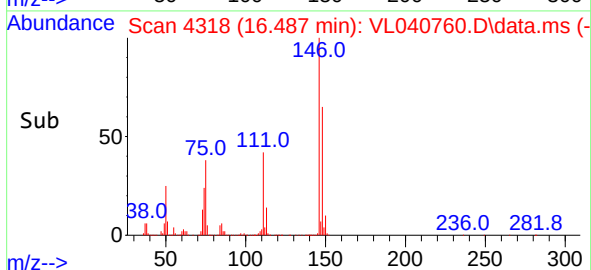
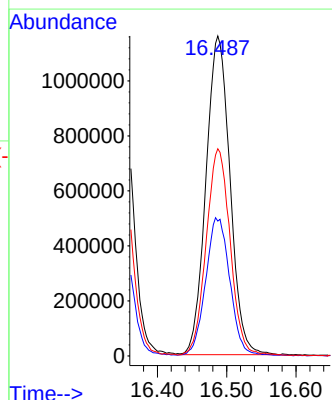
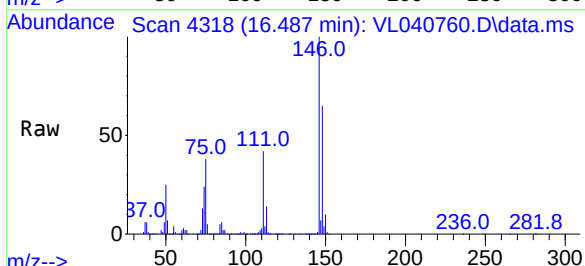
Tgt Ion:146 Resp: 2789049

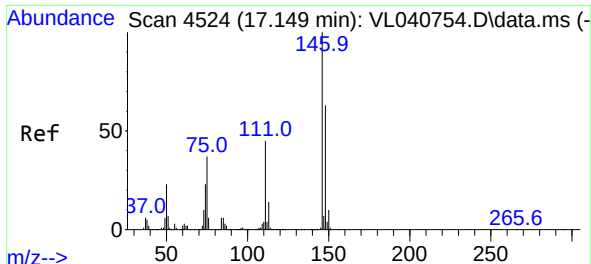
Ion Ratio Lower Upper

146 100

111 43.9 22.0 66.0

148 65.1 33.4 100.1

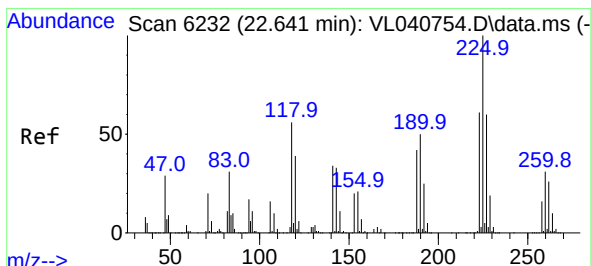
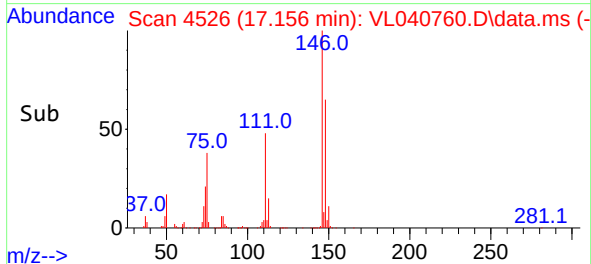
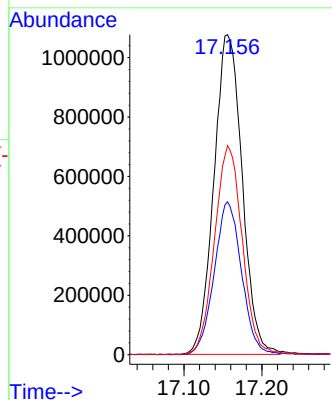
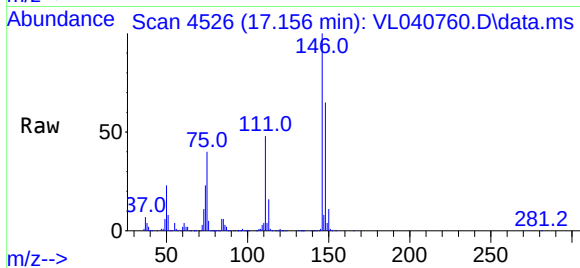




#77
1,2-Dichlorobenzene
Concen: 13.432 ppbv
RT: 17.156 min Scan# 4526
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

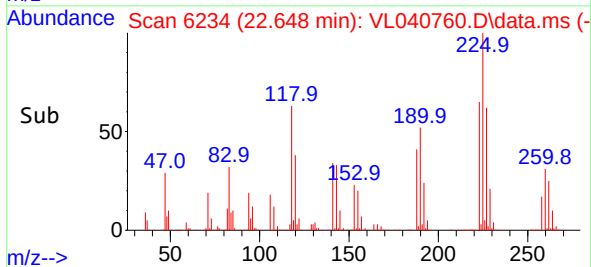
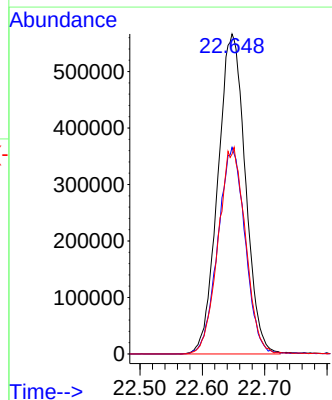
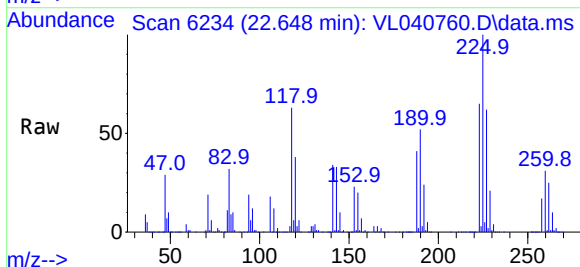
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MSVOA_L
ClientSampleId :
VSTDIC015

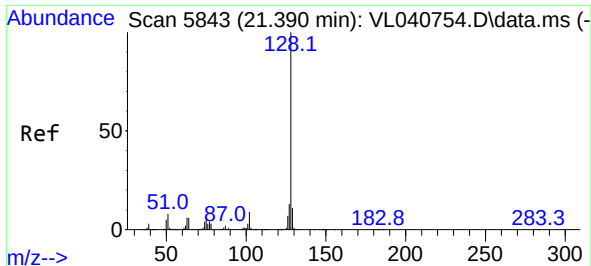
Tgt Ion:146 Resp: 2714482
Ion Ratio Lower Upper
146 100
111 46.3 22.9 68.8
148 64.4 32.3 96.8



#78
Hexachloro-1,3-Butadiene
Concen: 12.009 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:225 Resp: 1736651
Ion Ratio Lower Upper
225 100
223 63.9 50.7 76.1
227 64.2 51.4 77.0

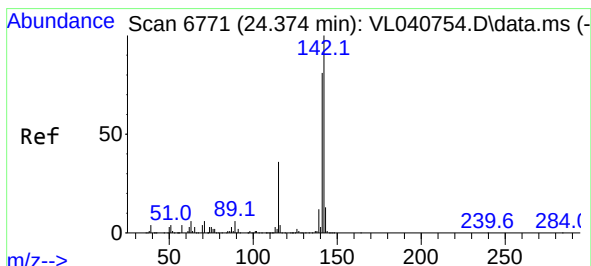
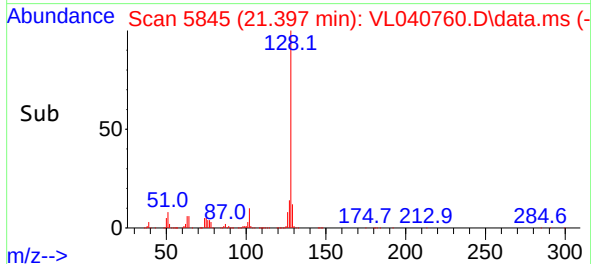
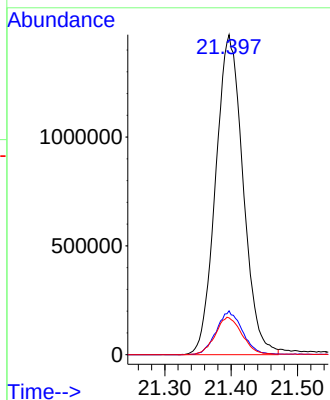
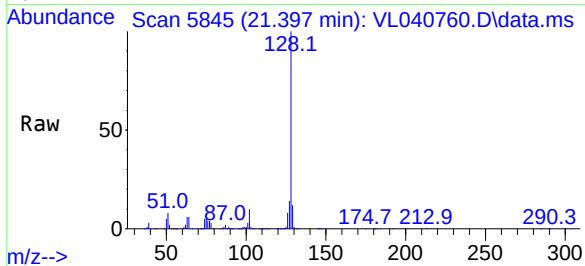




#79
Naphthalene
Concen: 15.658 ppbv
RT: 21.397 min Scan# 5845
Delta R.T. 0.006 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

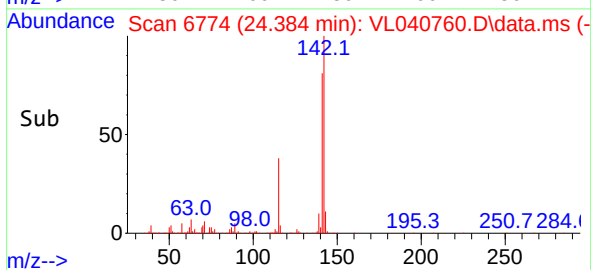
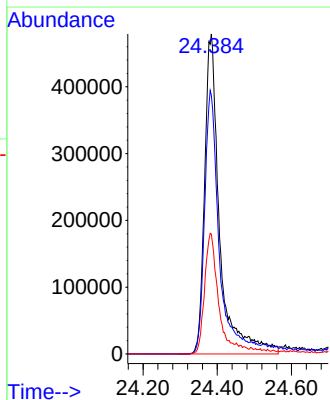
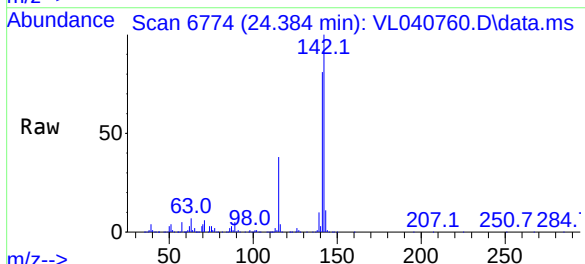
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ClientSampleId :
VSTDIC015

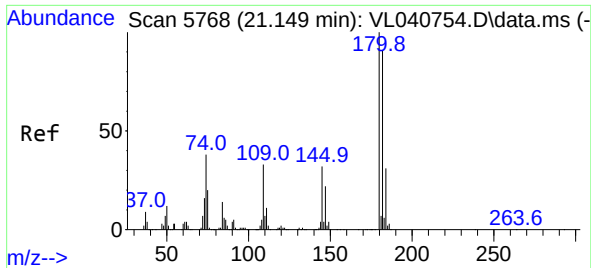
Tgt Ion:128 Resp: 4215333
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 11.5 9.0 13.4



#80
Naphthalene,2-methyl-
Concen: 17.902 ppbv
RT: 24.384 min Scan# 6774
Delta R.T. 0.010 min
Lab File: VL040760.D
Acq: 11 Oct 2023 15:51

Tgt Ion:142 Resp: 1352427
Ion Ratio Lower Upper
142 100
141 83.8 66.3 99.5
115 36.0 30.0 45.0





#81
 1,2,4-Trichlorobenzene
 Concen: 14.298 ppbv
 RT: 21.156 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL040760.D
 Acq: 11 Oct 2023 15:51

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 2089792

Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.9	116.9
184	31.0	25.0	37.6

