

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040431.D
 Acq On : 16 May 2023 9:34
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: May 17 07:25:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1103536	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.655	114	2763812	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.471	117	2673969	10.000	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2139477	9.951	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	2044682	9.432	ppbv	100
3) Chlorodifluoromethane	2.665	51	1298849	9.113	ppbv	100
4) Chloromethane	2.803	50	819492	9.257	ppbv	100
5) Vinyl Chloride	2.909	62	680626	8.663	ppbv	100
6) Bromomethane	3.112	94	225175	9.427	ppbv	100
7) Chloroethane	3.189	64	262263	9.447	ppbv	100
8) Dichlorotetrafluoroethane	2.848	85	1807780	9.281	ppbv	100
9) Propene	2.684	41	517793	9.339	ppbv	100
10) Heptane	7.581	43	1311800	10.239	ppbv	99
11) Trichlorofluoromethane	3.555	101	1817215	9.284	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1312696	9.146	ppbv	100
13) Ethanol	3.237	45	23910	5.690	ppbv	69
14) Bromoethene	3.359	108	537434	9.392	ppbv	100
15) Acetone	3.459	43	1241649	8.894	ppbv	100
16) 1,3-Butadiene	2.973	39	617831	9.641	ppbv	100
17) tert-Butyl alcohol	3.870	59	1384232	9.899	ppbv	100
18) 1,1-Dichloroethene	3.874	96	597703	9.447	ppbv	100
19) Isopropyl Alcohol	3.565	45	669162	9.840	ppbv	100
20) Methylene Chloride	3.928	84	489727	7.875	ppbv	100
21) Allyl Chloride	3.989	41	858806	9.622	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	617809	9.777	ppbv	100
23) Vinyl Acetate	4.623	43	323109	8.374	ppbv #	97
24) 1,1-Dichloroethane	4.558	63	1223612	9.268	ppbv	100
25) Ethyl Acetate	5.201	43	2432129	9.251	ppbv	100
26) Hexane	5.208	57	1030307	9.453	ppbv	100
27) Carbon Disulfide	4.118	76	1472945	10.282	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1094465	9.452	ppbv	100
29) Chloroform	5.272	83	1827639	9.197	ppbv	100
30) Cyclohexane	6.603	84	870901	9.823	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	1091198	10.109	ppbv	100
32) 1,1,1-Trichloroethane	6.002	97	1832893	8.878	ppbv	100
34) 2-Butanone	4.783	43	1375545	9.349	ppbv	100
35) Carbon Tetrachloride	6.494	117	1878383	9.469	ppbv	100
36) Benzene	6.372	78	2193353	9.771	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1429072	9.743	ppbv	100
38) Trichloroethene	7.295	130	1358992	9.827	ppbv	100
39) 1,2-Dichloropropane	7.076	63	846798	9.630	ppbv	100
40) 1,4-Dioxane	7.295	88	309610	9.257	ppbv	100
41) Tetrahydrofuran	5.555	42	830420	10.171	ppbv	100
42) Bromodichloromethane	7.253	83	1996722	10.057	ppbv	100
43) Methyl Methacrylate	7.478	69	889795	10.715	ppbv	100
44) 2,2,4-Trimethylpentane	7.327	57	3637906	9.793	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	864365	11.882	ppbv	100

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

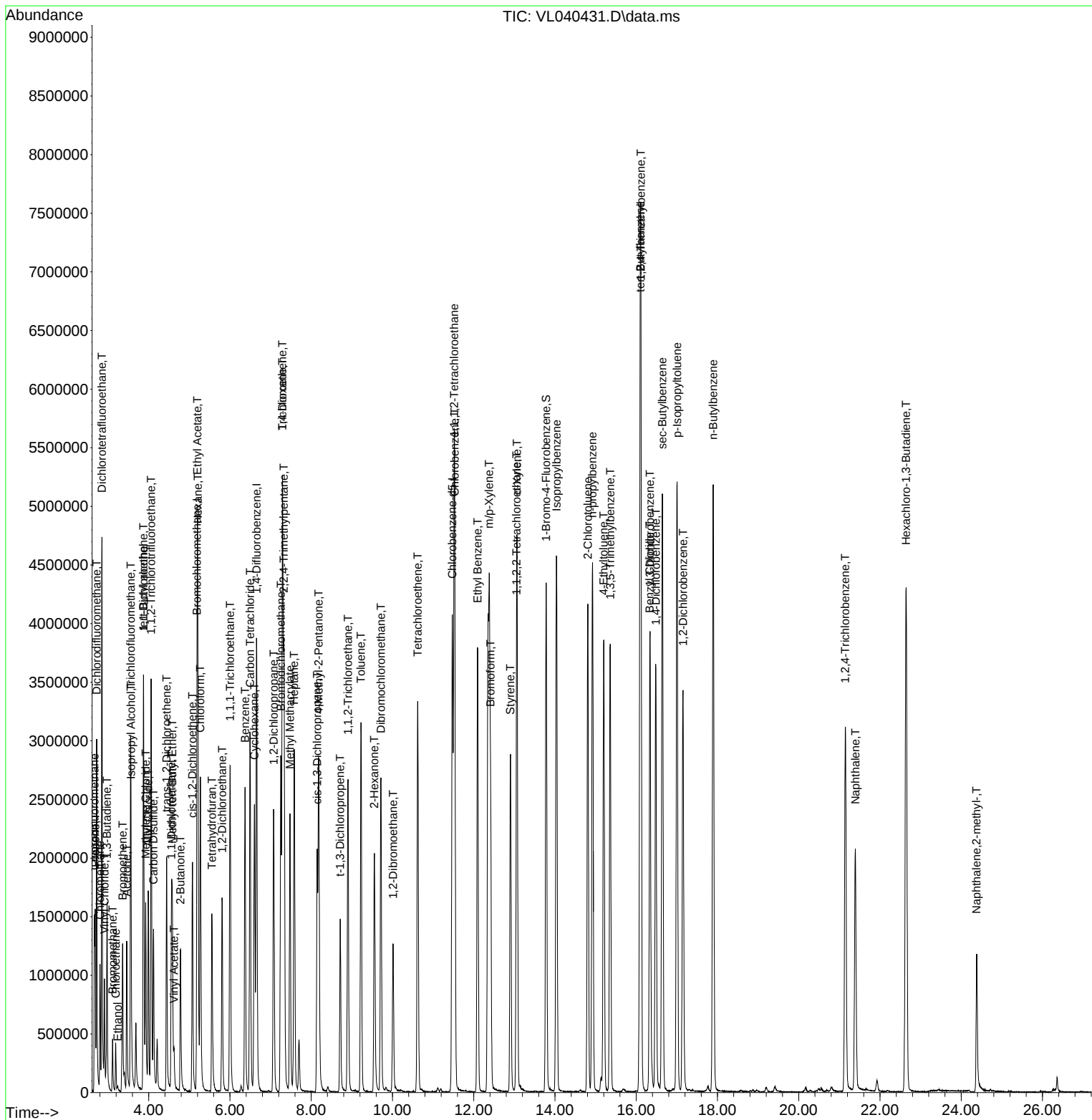
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

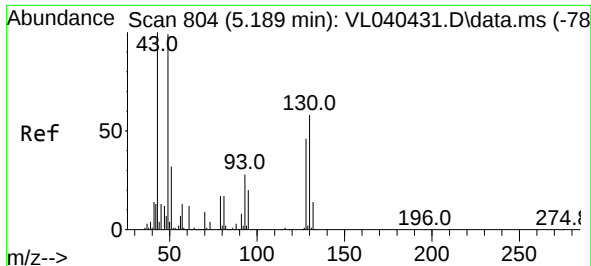
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed May 17 05:12:40 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1167464	11.356	ppbv	100
47) 1,1,2-Trichloroethane	8.906	97	940547	9.800	ppbv	100
48) Dibromochloromethane	9.716	129	1616958	10.548	ppbv	100
49) Bromoform	12.413	173	1313440	10.860	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2299601	10.117	ppbv	100
51) 2-Hexanone	9.555	43	1793713	10.714	ppbv	100
52) Tetrachloroethene	10.622	164	757403	9.936	ppbv	100
53) Toluene	9.224	91	2520792	10.632	ppbv	100
54) 1,2-Dibromoethane	10.015	107	1014217	10.575	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	1167148	9.425	ppbv	98
57) Chlorobenzene	11.536	112	2002580	9.302	ppbv	100
58) Ethyl Benzene	12.095	91	3483069	10.293	ppbv	100
59) m/p-Xylene	12.381	91	3311293	10.728	ppbv #	43
60) o-Xylene	13.066	91	2946642	10.031	ppbv	100
61) Styrene	12.902	104	1679724	11.289	ppbv	100
62) Isopropylbenzene	14.037	105	4132781	9.625	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.053	83	882195	8.326	ppbv	100
64) n-propylbenzene	14.925	120	1050946	9.921	ppbv	100
65) tert-Butylbenzene	16.101	119	3632838	9.647	ppbv	100
66) Benzyl Chloride	16.333	91	228601	10.231	ppbv	100
67) sec-Butylbenzene	16.642	105	5192715	9.575	ppbv	100
69) p-Isopropyltoluene	17.005	119	4151223	9.745	ppbv	100
70) n-Butylbenzene	17.895	91	4559036	9.603	ppbv	100
71) 2-Chlorotoluene	14.809	91	3221445	9.862	ppbv	100
72) 4-Ethyltoluene	15.201	105	3367530	10.110	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3027552	9.901	ppbv	100
74) 1,2,4-Trimethylbenzene	16.117	105	3308085	9.403	ppbv	100
75) 1,3-Dichlorobenzene	16.339	146	1822389	9.415	ppbv	100
76) 1,4-Dichlorobenzene	16.484	146	1798505	9.607	ppbv	100
77) 1,2-Dichlorobenzene	17.153	146	1759485	9.382	ppbv	100
78) Hexachloro-1,3-Butadiene	22.641	225	1197286	8.533	ppbv	100
79) Naphthalene	21.394	128	2518415	11.840	ppbv	100
80) Naphthalene,2-methyl-	24.378	142	777037	12.759	ppbv	97
81) 1,2,4-Trichlorobenzene	21.146	180	1328805	10.092	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
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QLast Update : Wed May 17 05:12:40 2023
Response via : Initial Calibration

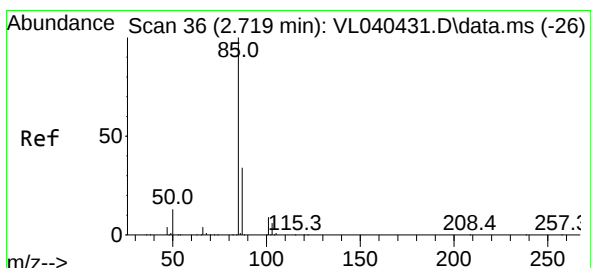
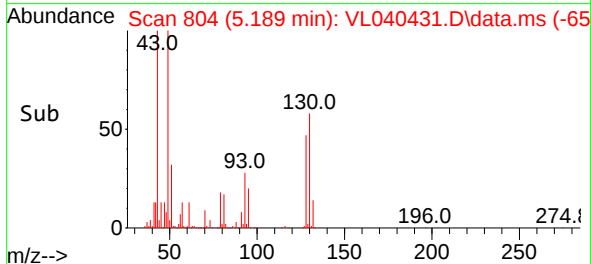
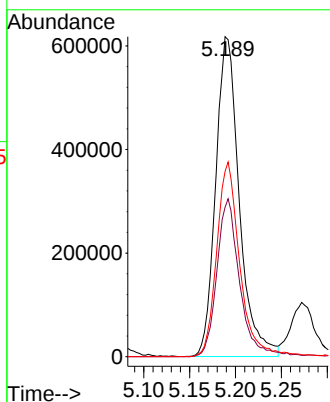
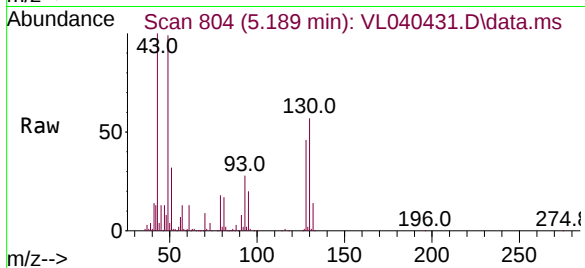




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

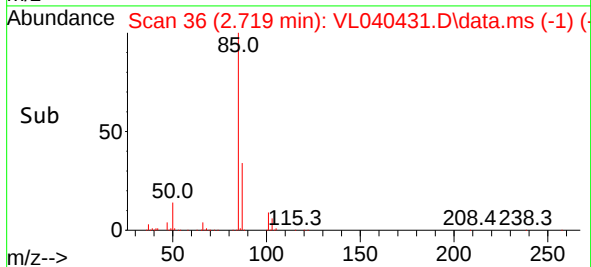
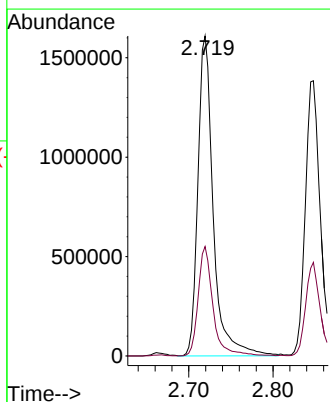
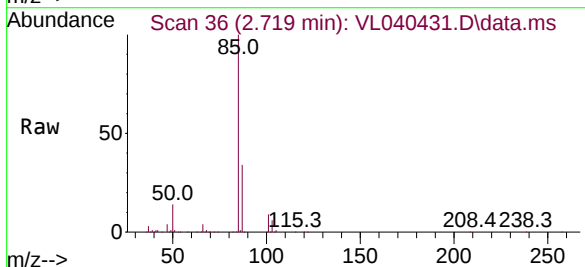
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

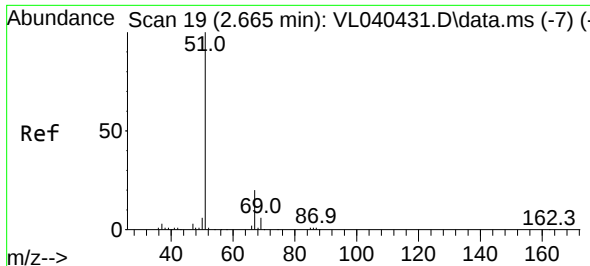
Tgt Ion: 49 Resp: 1103536
Ion Ratio Lower Upper
49 100
128 48.3 24.3 72.8
130 60.4 30.2 90.6



#2
Dichlorodifluoromethane
Concen: 9.432 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.010 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 85 Resp: 2044682
Ion Ratio Lower Upper
85 100
87 34.2 27.4 41.0

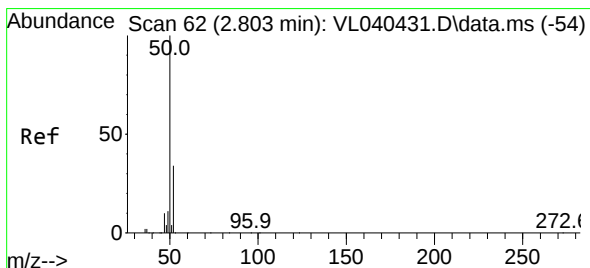
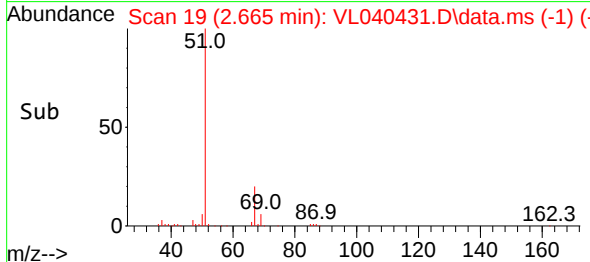
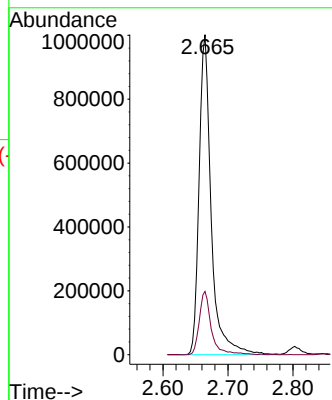
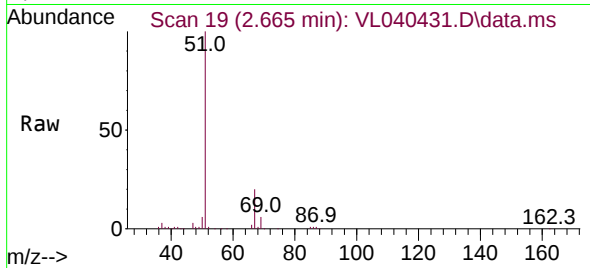




#3
Chlorodifluoromethane
Concen: 9.113 ppbv
RT: 2.665 min Scan# 19
Delta R.T. -0.010 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

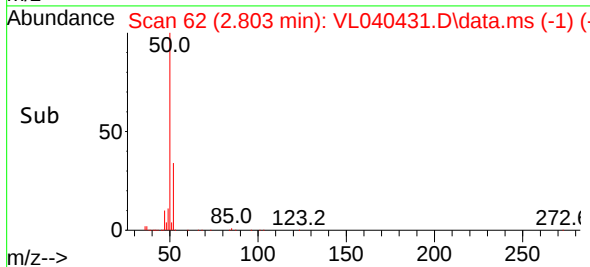
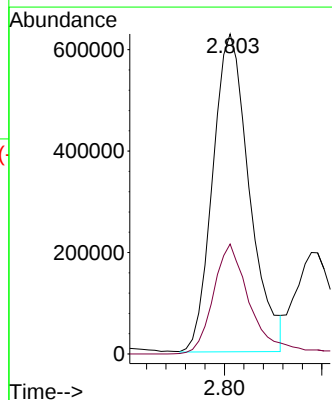
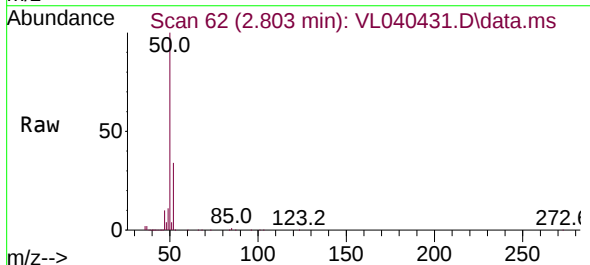
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ClientSampleId :
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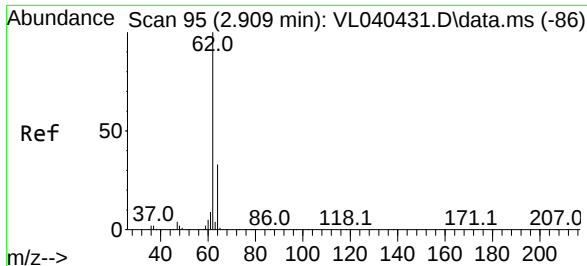
Tgt Ion: 51 Resp: 1298849
Ion Ratio Lower Upper
51 100
67 19.7 15.8 23.6



#4
Chloromethane
Concen: 9.257 ppbv
RT: 2.803 min Scan# 62
Delta R.T. -0.010 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 50 Resp: 819492
Ion Ratio Lower Upper
50 100
52 34.5 27.6 41.4

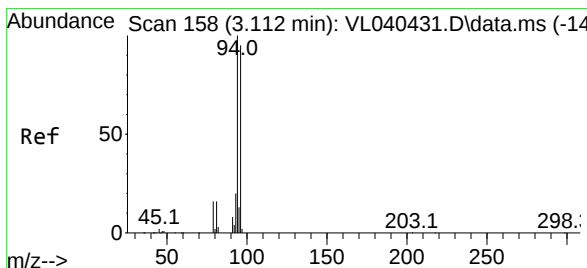
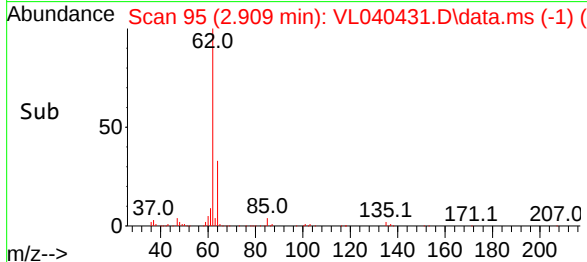
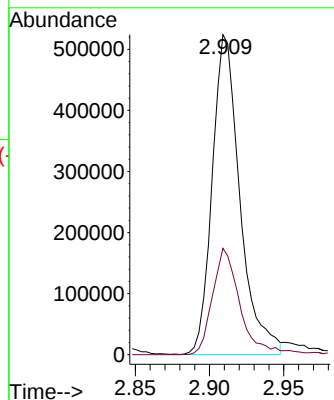
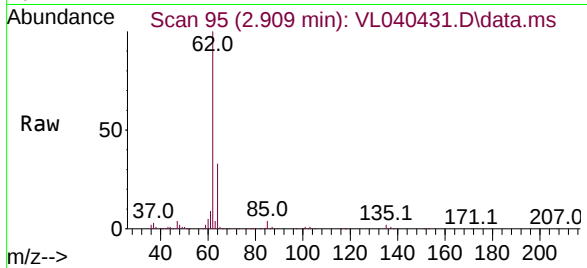




#5
 Vinyl Chloride
 Concen: 8.663 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. -0.013 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

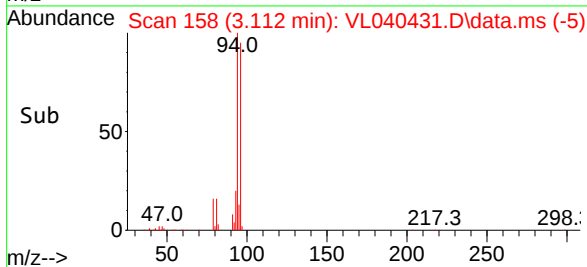
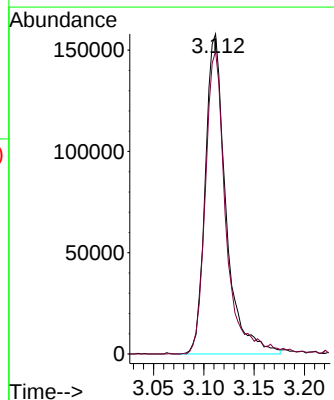
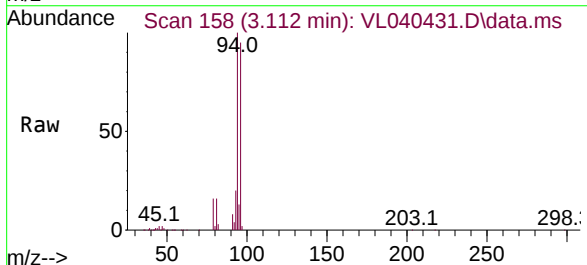
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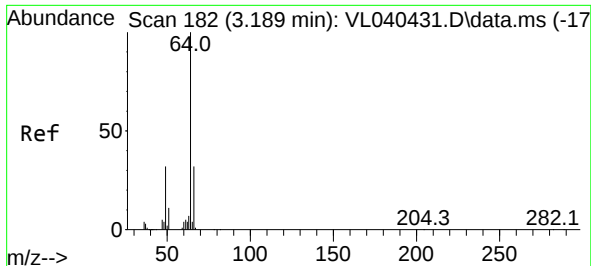
Tgt Ion: 62 Resp: 680626
 Ion Ratio Lower Upper
 62 100
 64 33.3 26.6 40.0



#6
 Bromomethane
 Concen: 9.427 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. -0.010 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion: 94 Resp: 225175
 Ion Ratio Lower Upper
 94 100
 96 94.6 75.7 113.5

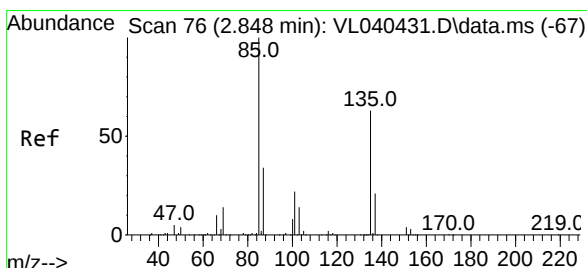
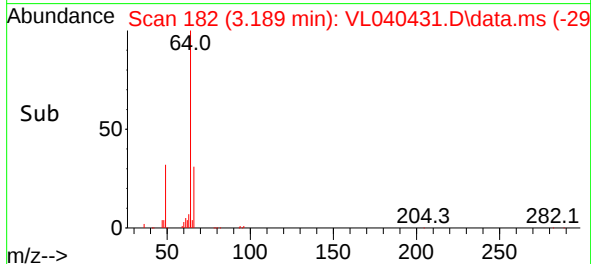
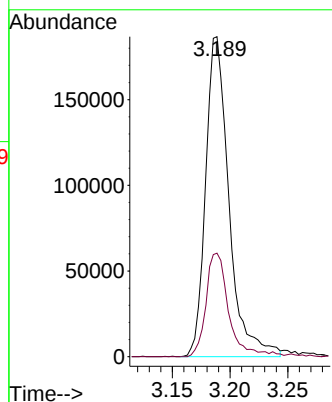
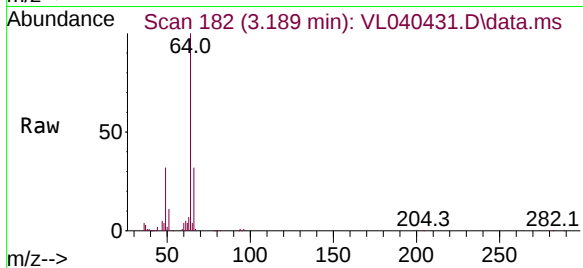




#7
Chloroethane
Concen: 9.447 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

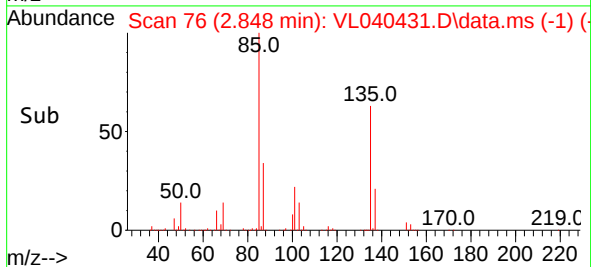
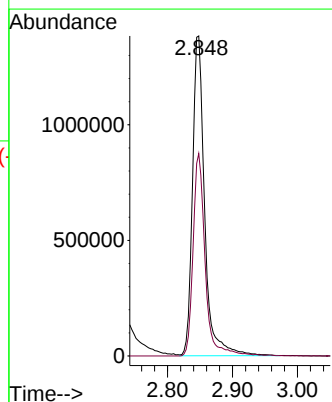
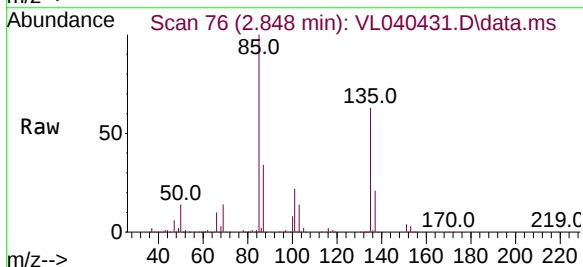
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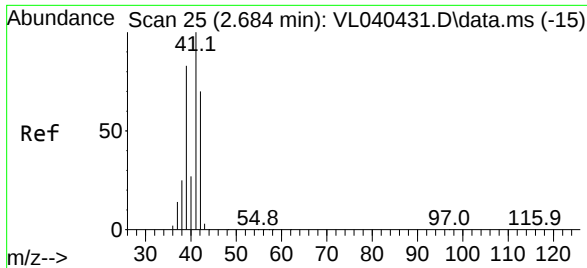
Tgt Ion: 64 Resp: 262263
Ion Ratio Lower Upper
64 100
66 32.3 25.8 38.8



#8
Dichlorotetrafluoroethane
Concen: 9.281 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.010 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 85 Resp: 1807780
Ion Ratio Lower Upper
85 100
135 63.2 50.6 75.8

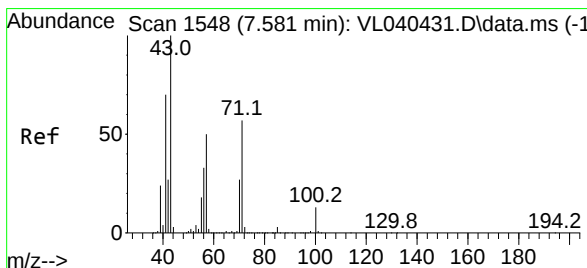
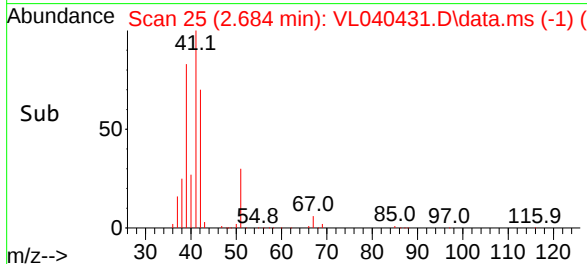
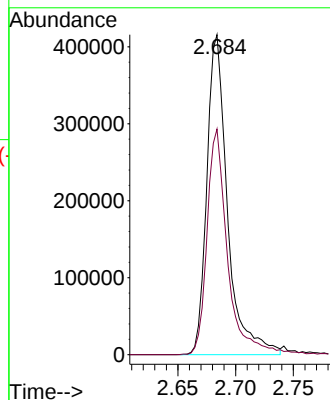
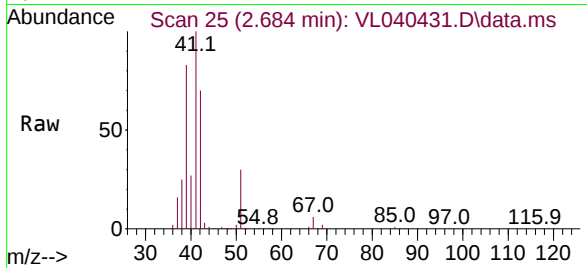




#9
 Propene
 Concen: 9.339 ppbv
 RT: 2.684 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

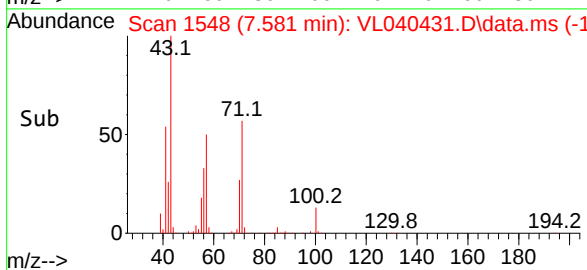
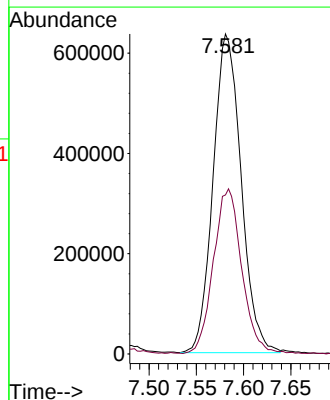
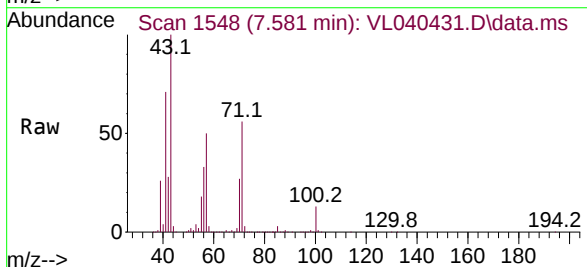
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

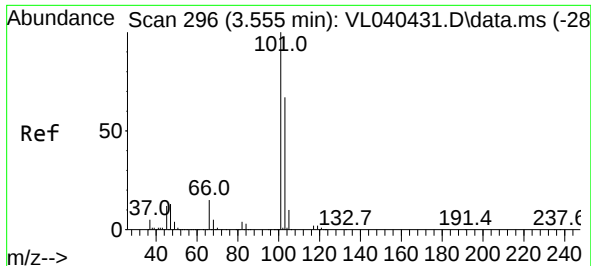
Tgt Ion: 41 Resp: 517793
 Ion Ratio Lower Upper
 41 100
 42 70.7 56.6 84.8



#10
 Heptane
 Concen: 10.239 ppbv
 RT: 7.581 min Scan# 1548
 Delta R.T. -0.016 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion: 43 Resp: 1311800
 Ion Ratio Lower Upper
 43 100
 57 51.9 42.2 63.2

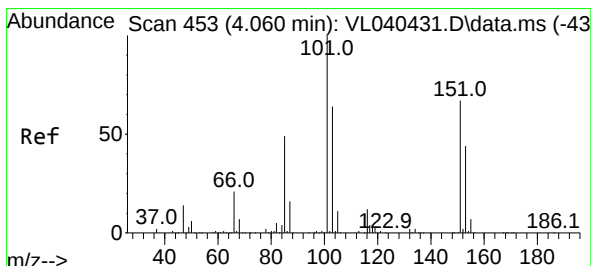
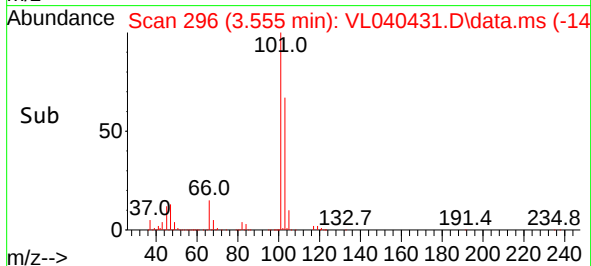
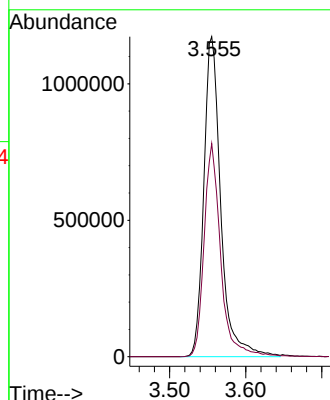
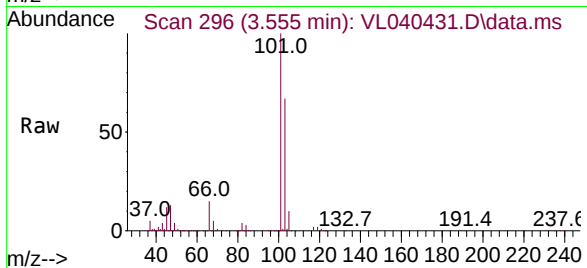




#11
 Trichlorofluoromethane
 Concen: 9.284 ppbv
 RT: 3.555 min Scan# 296
 Delta R.T. -0.013 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

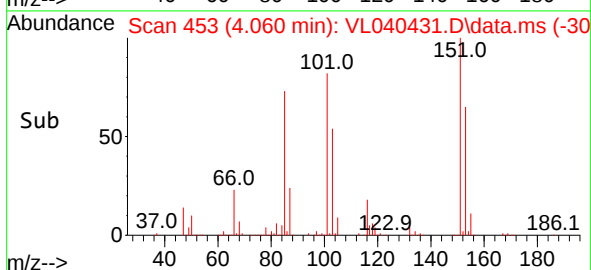
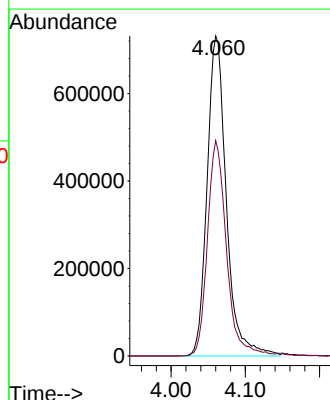
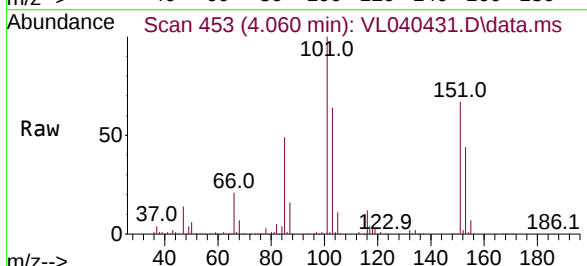
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

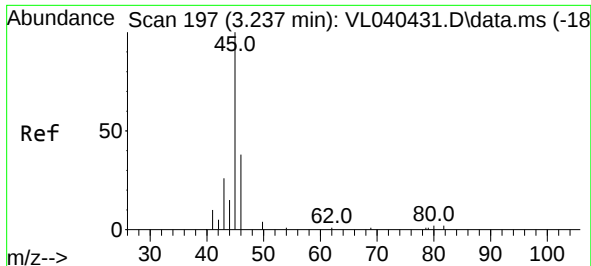
Tgt Ion:101 Resp: 1817215
 Ion Ratio Lower Upper
 101 100
 103 66.6 53.3 79.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.146 ppbv
 RT: 4.060 min Scan# 453
 Delta R.T. -0.013 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion:101 Resp: 1312696
 Ion Ratio Lower Upper
 101 100
 151 67.1 53.8 80.6

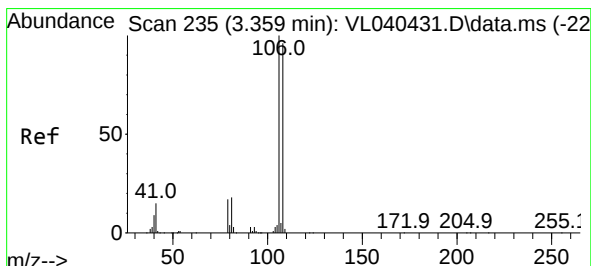
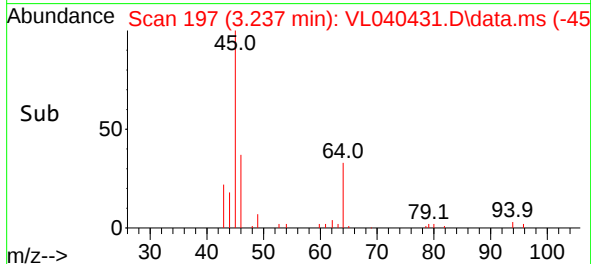
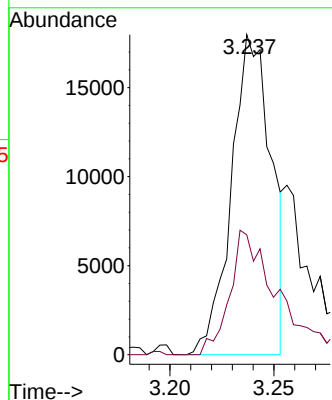
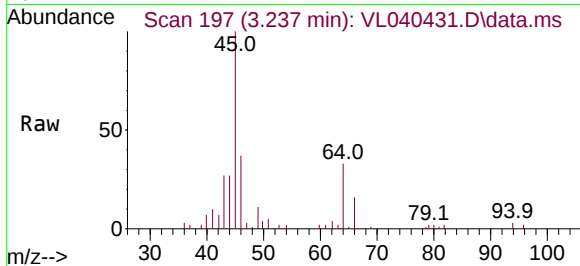




#13
Ethanol
Concen: 5.690 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.013 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

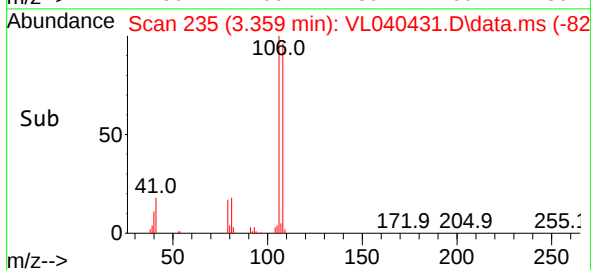
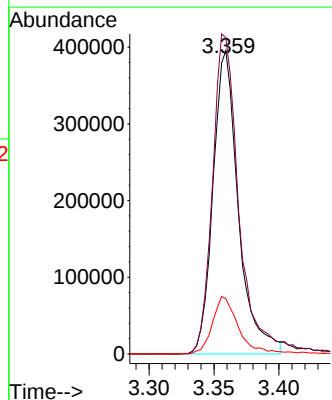
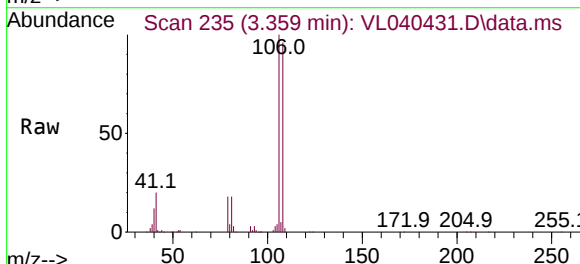
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

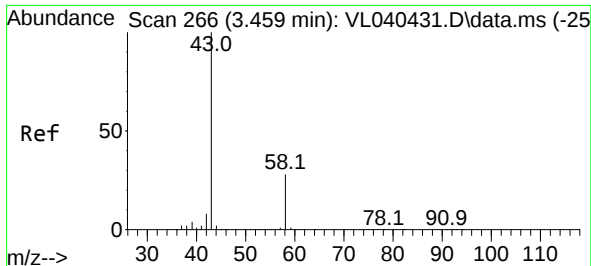
Tgt Ion: 45 Resp: 23910
Ion Ratio Lower Upper
45 100
46 50.7 13.2 52.8



#14
Bromoethene
Concen: 9.392 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.010 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 108 Resp: 537434
Ion Ratio Lower Upper
108 100
106 112.3 89.5 134.3
79 20.1 16.1 24.1

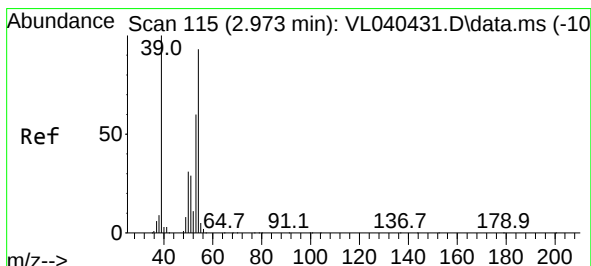
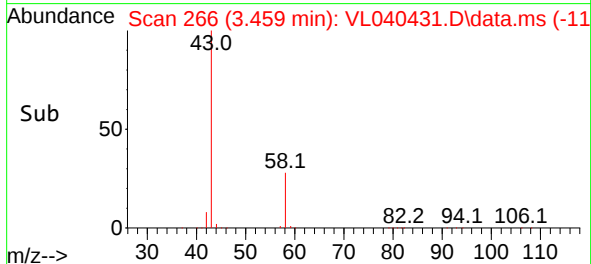
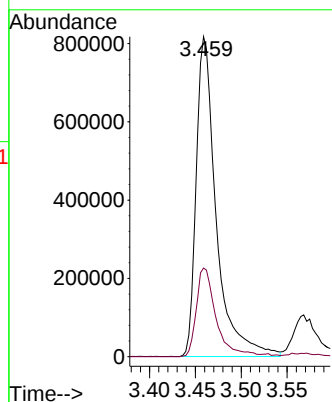
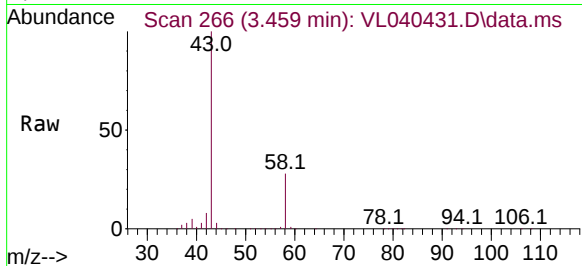




#15
Acetone
Concen: 8.894 ppbv
RT: 3.459 min Scan# 20
Delta R.T. -0.010 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

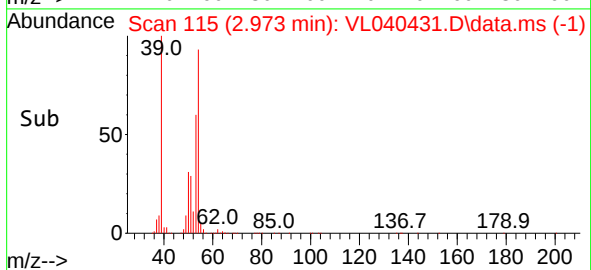
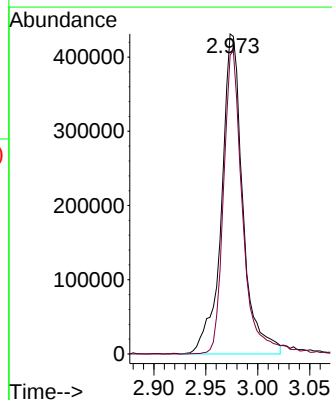
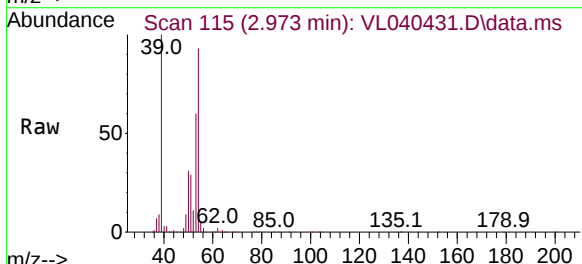
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

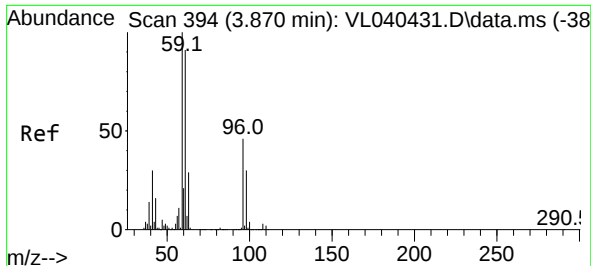
Tgt Ion: 43 Resp: 1241649
Ion Ratio Lower Upper
43 100
58 27.7 22.2 33.4



#16
1,3-Butadiene
Concen: 9.641 ppbv
RT: 2.973 min Scan# 115
Delta R.T. -0.013 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 39 Resp: 617831
Ion Ratio Lower Upper
39 100
54 86.1 68.9 103.3





#17

tert-Butyl alcohol

Concen: 9.899 ppbv

RT: 3.870 min Scan# 394

Delta R.T. -0.010 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

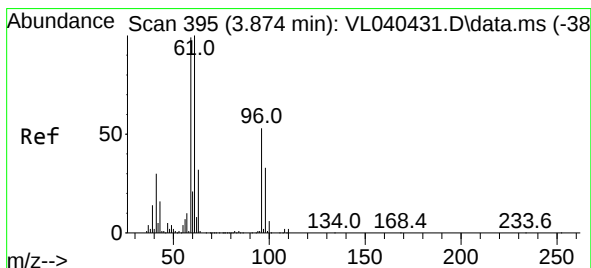
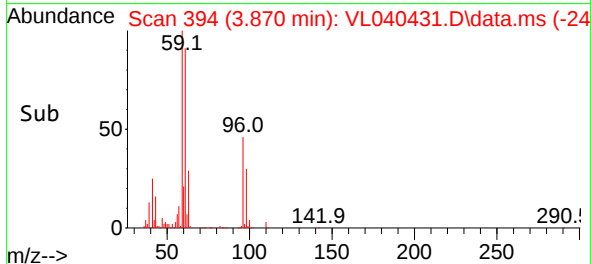
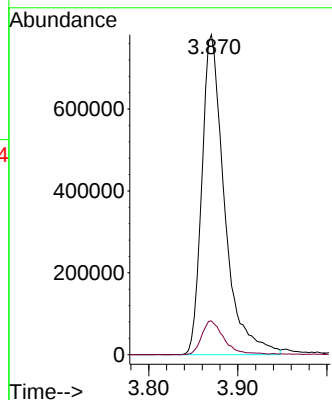
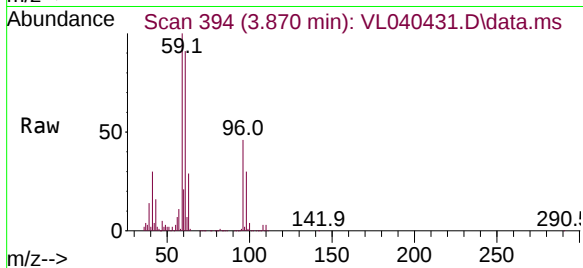
VSTDICCC010

Tgt Ion: 59 Resp: 1384232

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.447 ppbv

RT: 3.874 min Scan# 395

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

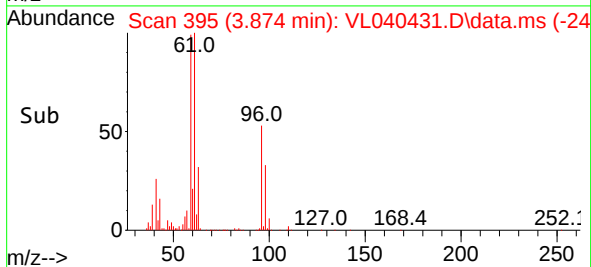
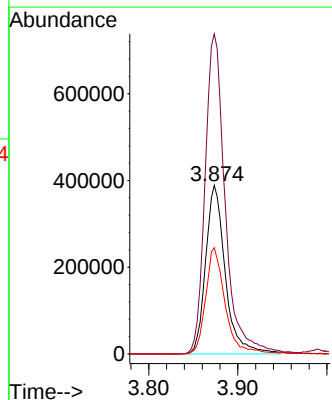
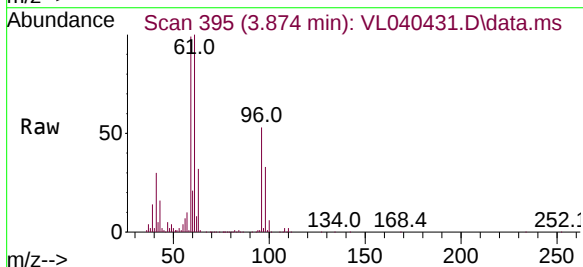
Tgt Ion: 96 Resp: 597703

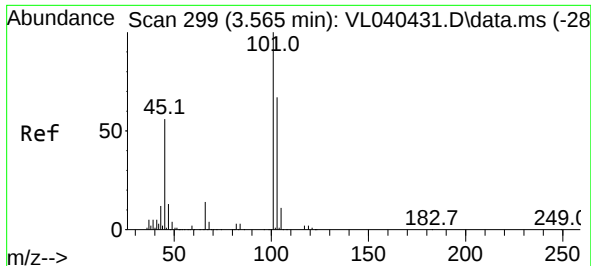
Ion Ratio Lower Upper

96 100

61 189.8 151.8 227.8

98 63.1 50.5 75.7





#19

Isopropyl Alcohol

Concen: 9.840 ppbv

RT: 3.565 min Scan# 299

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

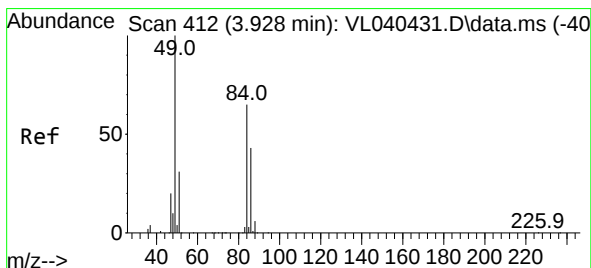
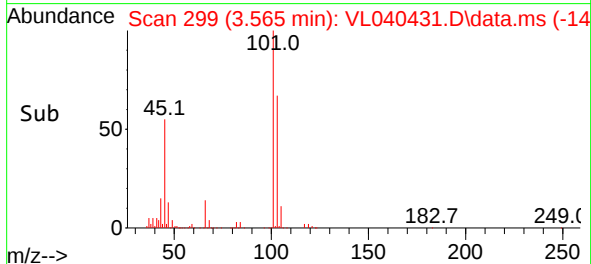
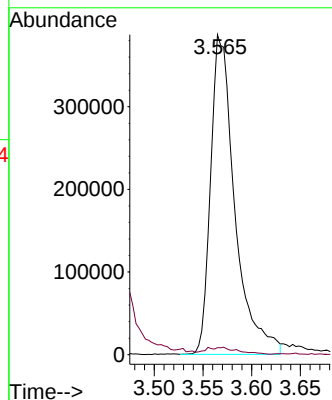
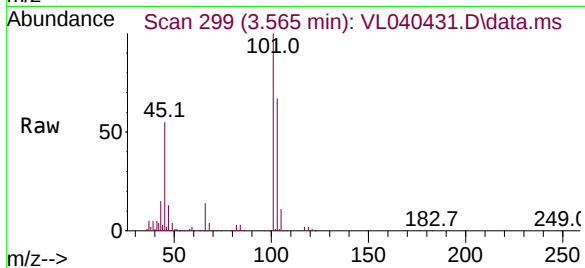
VSTDICCC010

Tgt Ion: 45 Resp: 669162

Ion Ratio Lower Upper

45 100

58 2.8 2.1 3.1



#20

Methylene Chloride

Concen: 7.875 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.010 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 84 Resp: 489727

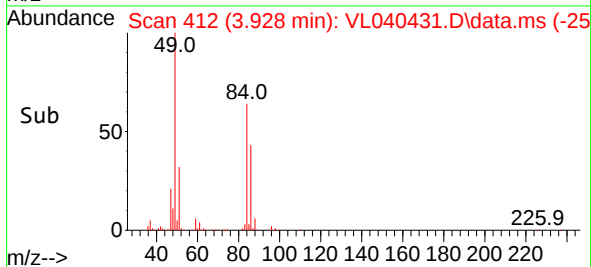
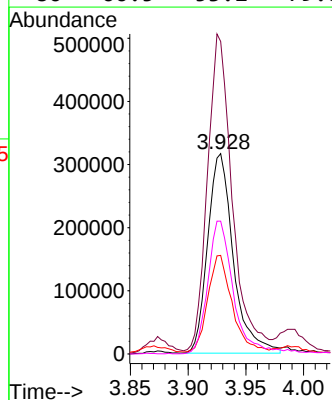
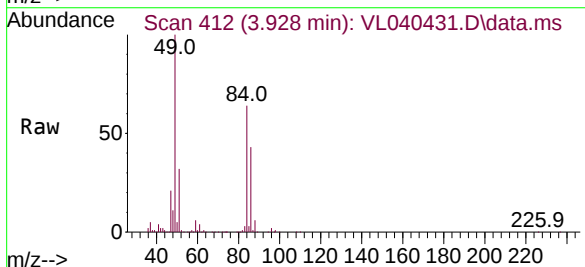
Ion Ratio Lower Upper

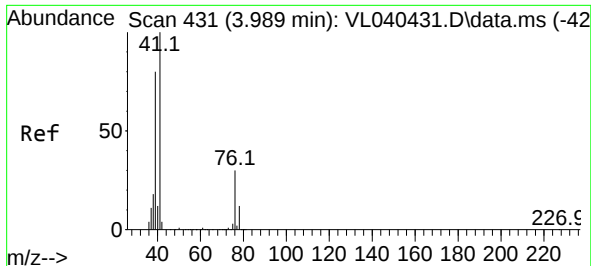
84 100

49 154.6 123.7 185.5

51 48.2 38.6 57.8

86 66.5 53.2 79.8





#21

Allyl Chloride

Concen: 9.622 ppbv

RT: 3.989 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

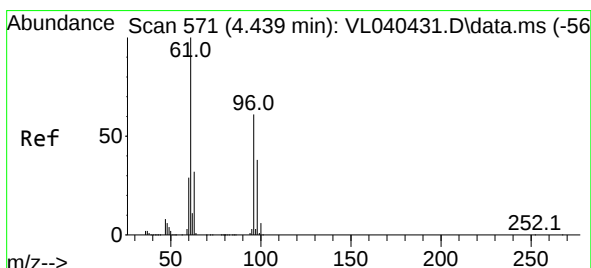
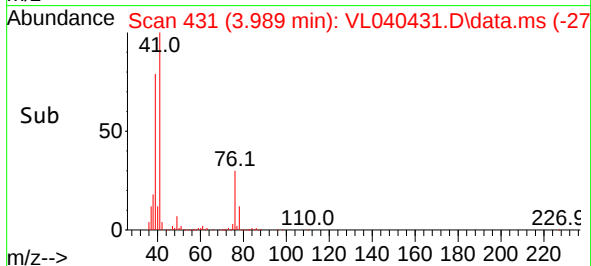
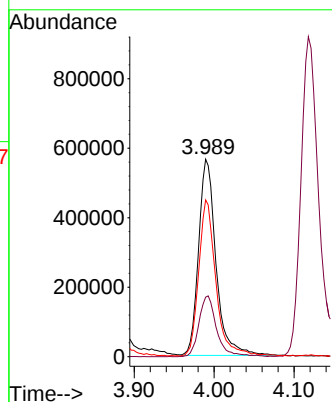
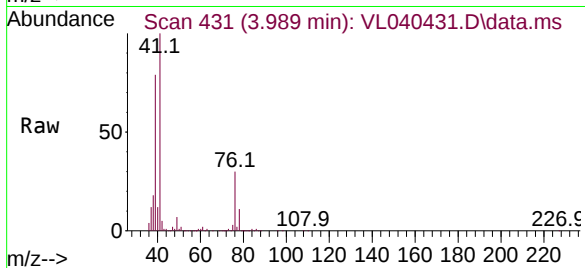
Tgt Ion: 41 Resp: 858806

Ion Ratio Lower Upper

41 100

76 31.5 25.3 37.9

39 78.3 63.5 95.3



#22

trans-1,2-Dichloroethene

Concen: 9.777 ppbv

RT: 4.439 min Scan# 571

Delta R.T. -0.016 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

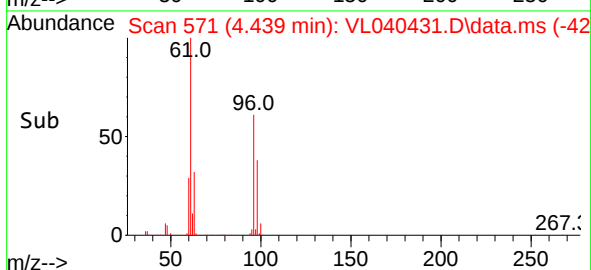
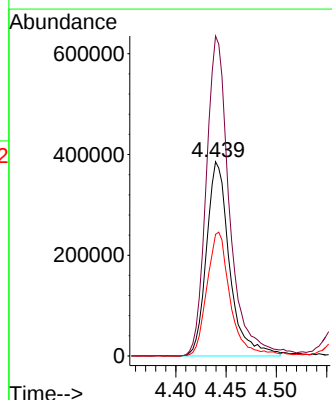
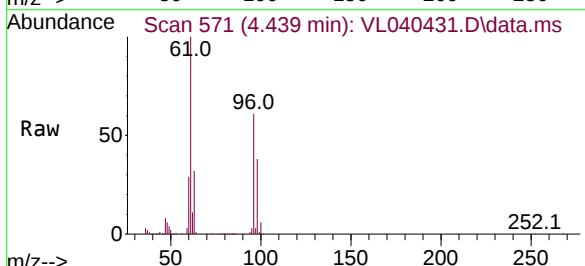
Tgt Ion: 96 Resp: 617809

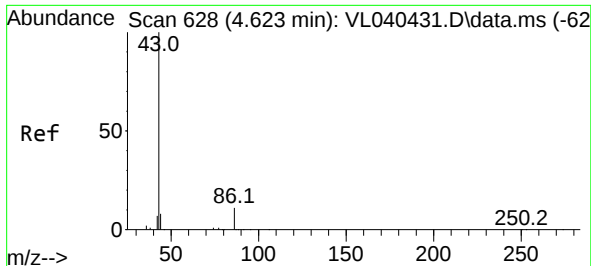
Ion Ratio Lower Upper

96 100

61 164.7 131.8 197.6

98 62.6 50.1 75.1

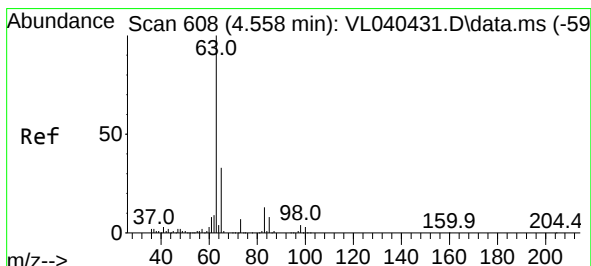
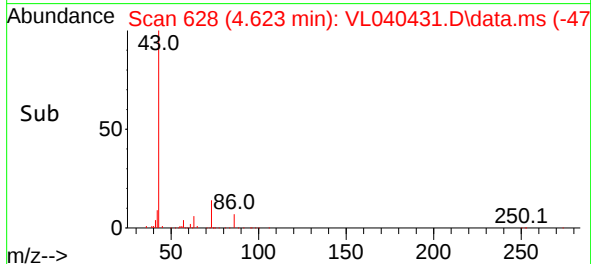
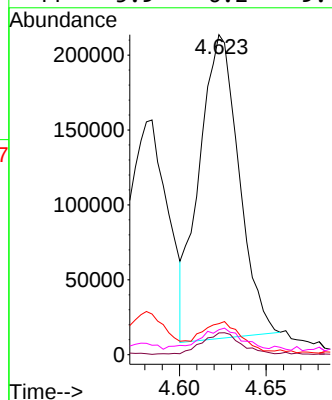
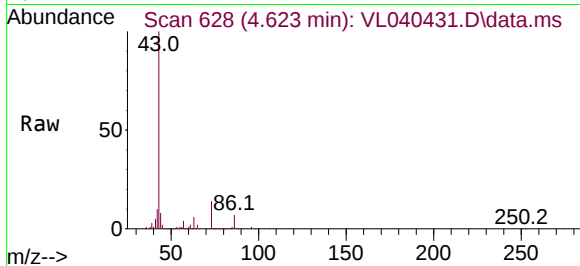




#23
 Vinyl Acetate
 Concen: 8.374 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. -0.013 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

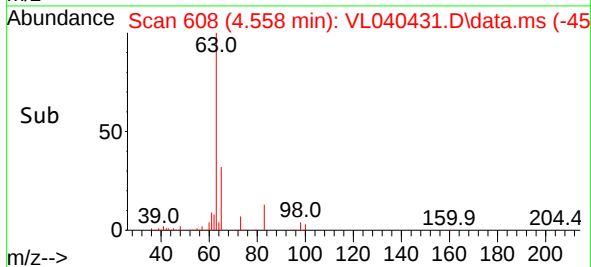
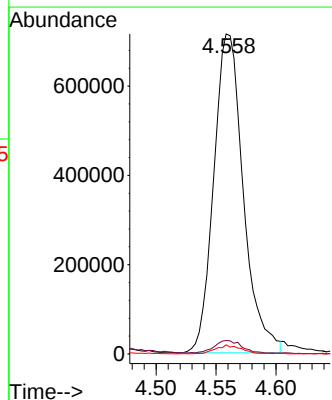
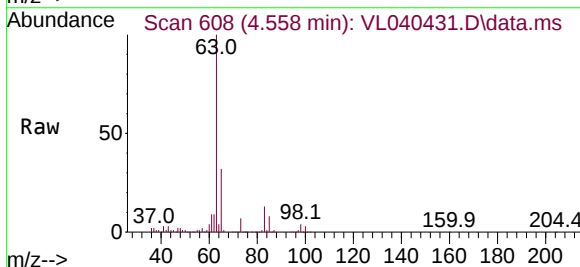
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

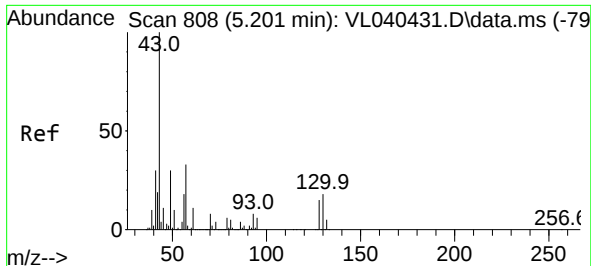
Tgt Ion:	43	Resp:	323109
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.4	8.2
42	8.8	7.8	11.6
44	5.9	6.2	9.4



#24
 1,1-Dichloroethane
 Concen: 9.268 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.013 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion:	63	Resp:	1223612
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	5.8
100	2.8	1.4	4.2





#25

Ethyl Acetate

Concen: 9.251 ppbv

RT: 5.201 min Scan# 808

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 2432129

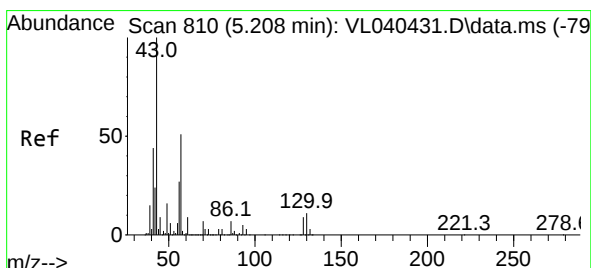
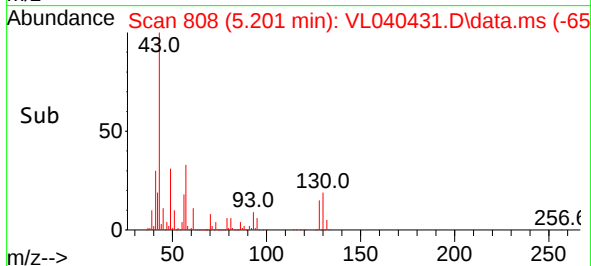
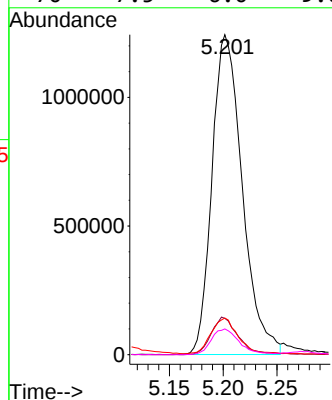
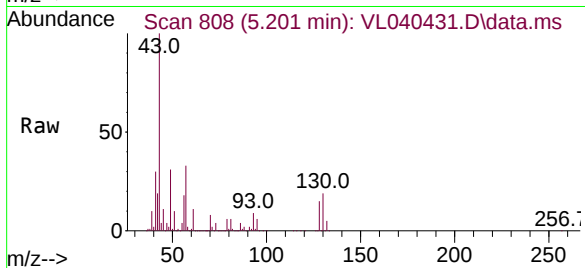
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	13.0
61	10.7	8.6	12.8
70	7.5	6.0	9.0

43 100

45 10.8 8.6 13.0

61 10.7 8.6 12.8

70 7.5 6.0 9.0



#26

Hexane

Concen: 9.453 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.016 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 57 Resp: 1030307

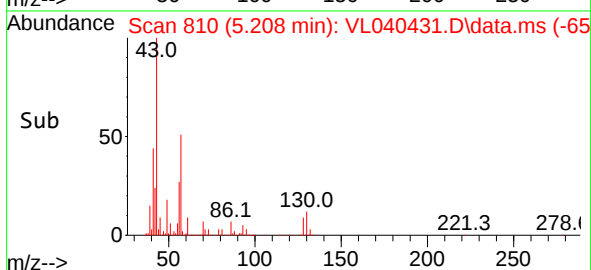
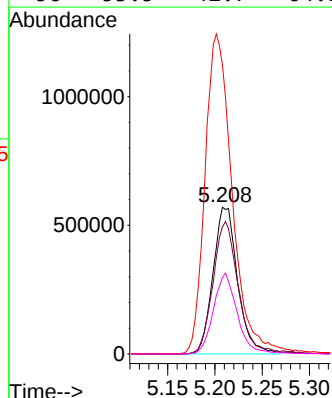
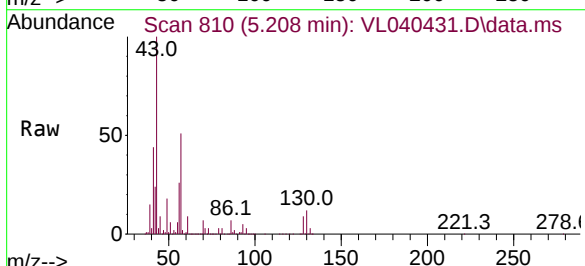
Ion	Ratio	Lower	Upper
57	100		
41	93.8	75.1	112.7
43	242.9	194.4	291.6
56	53.5	42.7	64.1

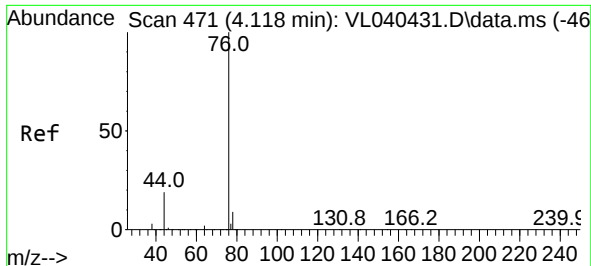
57 100

41 93.8 75.1 112.7

43 242.9 194.4 291.6

56 53.5 42.7 64.1





#27

Carbon Disulfide

Concen: 10.282 ppbv

RT: 4.118 min Scan# 471

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

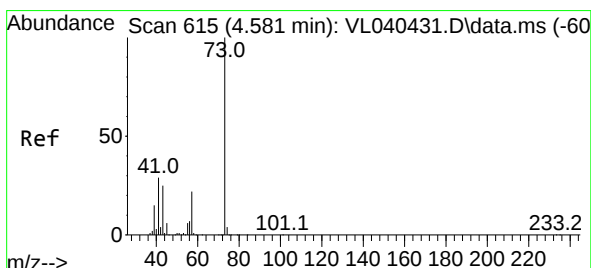
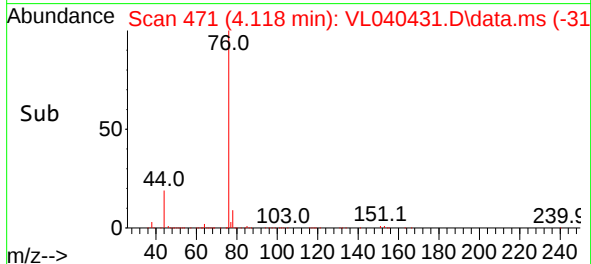
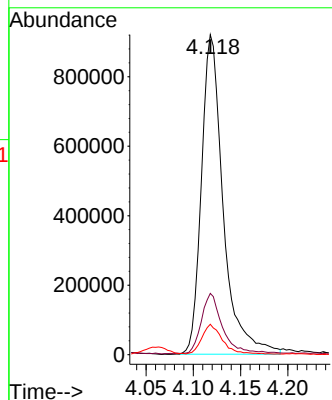
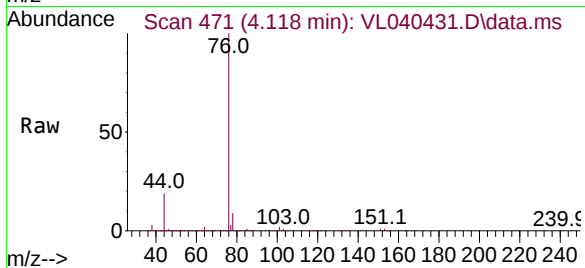
Tgt Ion: 76 Resp: 1472945

Ion Ratio Lower Upper

76 100

44 18.3 15.3 22.9

78 9.2 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 9.452 ppbv

RT: 4.581 min Scan# 615

Delta R.T. -0.013 min

Lab File: VL040431.D

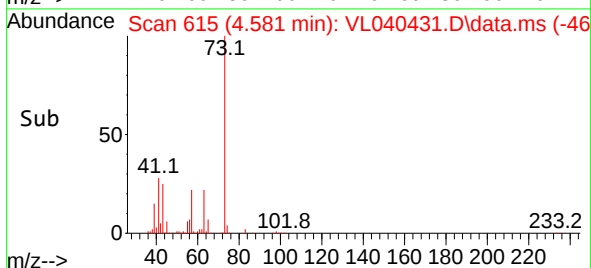
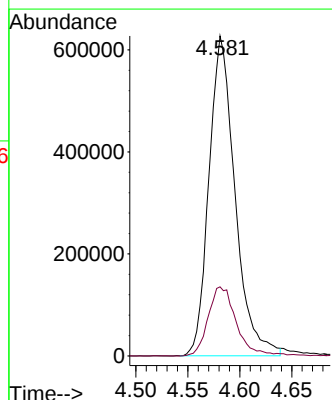
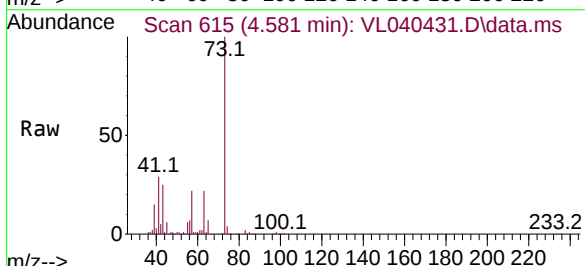
Acq: 16 May 2023 9:34

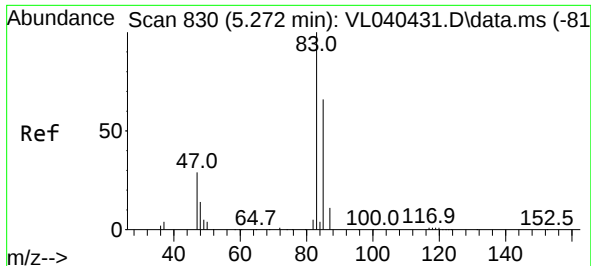
Tgt Ion: 73 Resp: 1094465

Ion Ratio Lower Upper

73 100

57 23.6 18.9 28.3





#29

Chloroform

Concen: 9.197 ppbv

RT: 5.272 min Scan# 81

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

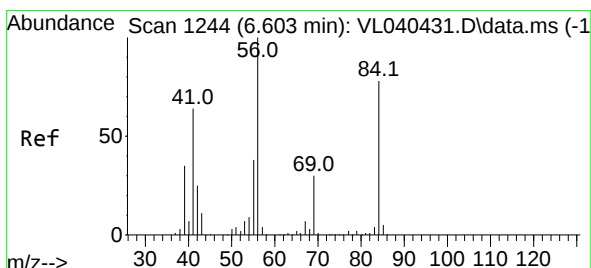
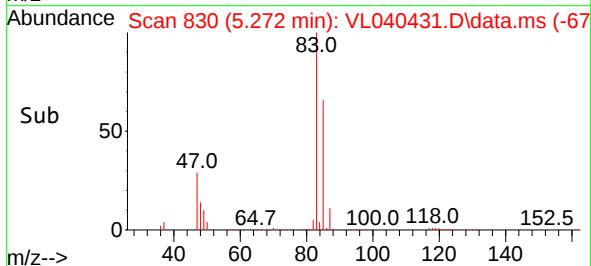
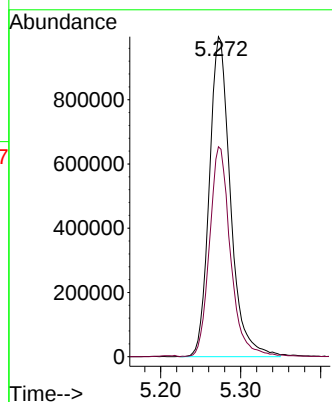
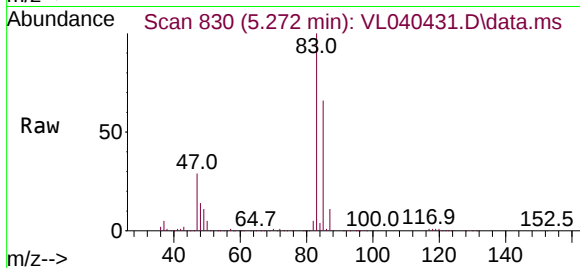
VSTDICCC010

Tgt Ion: 83 Resp: 1827639

Ion Ratio Lower Upper

83 100

85 65.5 52.4 78.6



#30

Cyclohexane

Concen: 9.823 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

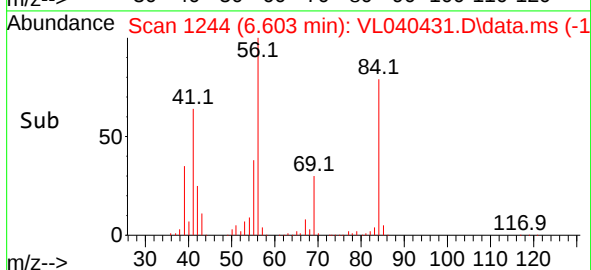
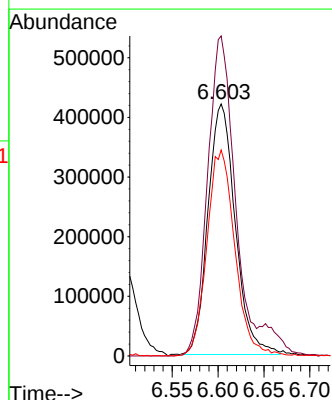
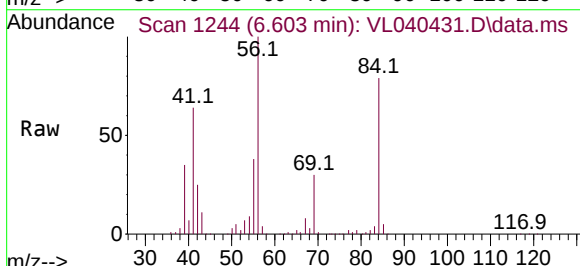
Tgt Ion: 84 Resp: 870901

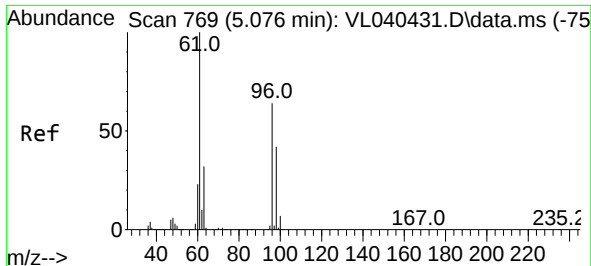
Ion Ratio Lower Upper

84 100

56 135.3 108.2 162.4

41 84.2 66.9 100.3

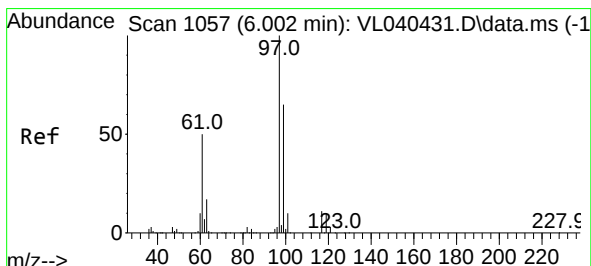
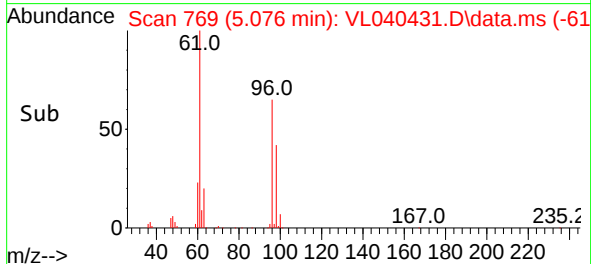
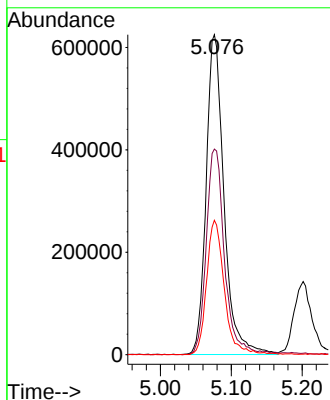
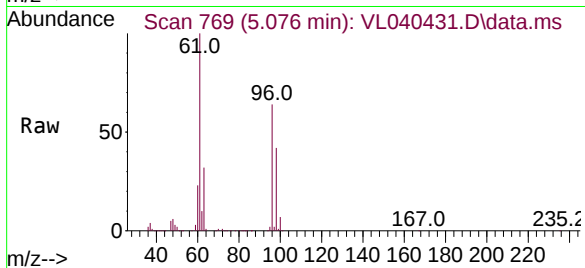




#31
 cis-1,2-Dichloroethene
 Concen: 10.109 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. -0.013 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

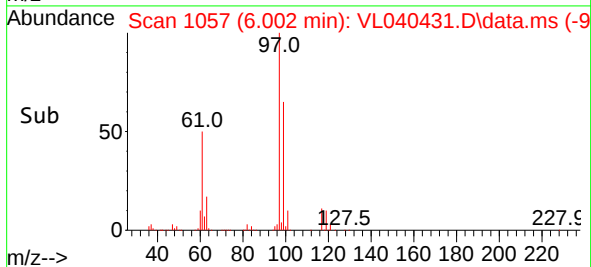
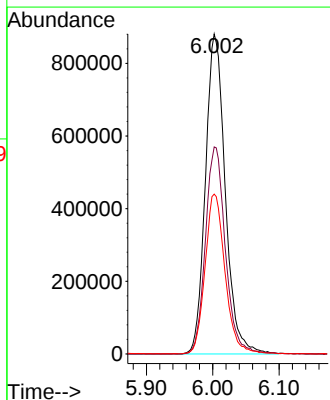
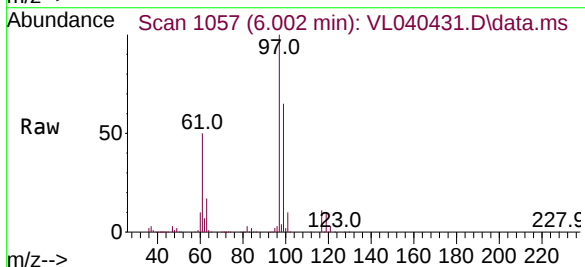
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

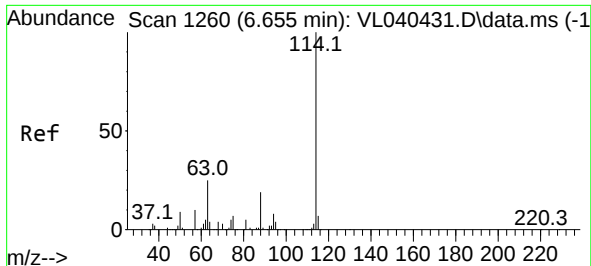
Tgt Ion: 61 Resp: 1091198
 Ion Ratio Lower Upper
 61 100
 96 64.2 51.4 77.0
 98 42.0 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 8.878 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. -0.013 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion: 97 Resp: 1832893
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.2 78.2
 61 50.7 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. -0.016 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

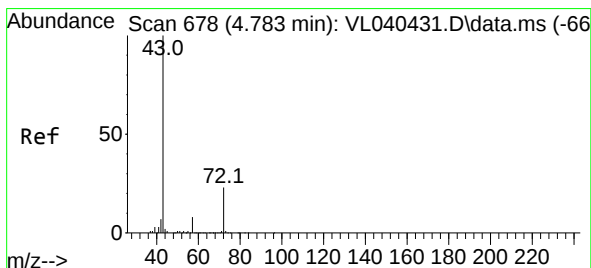
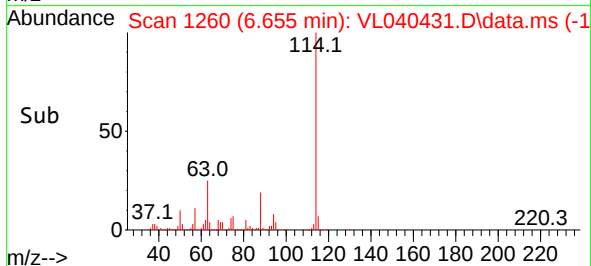
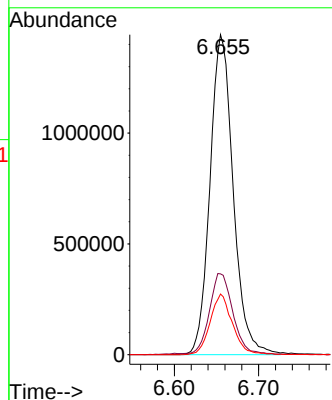
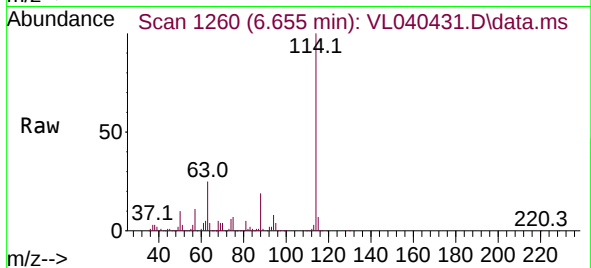
Tgt Ion:114 Resp: 2763812

Ion Ratio Lower Upper

114 100

63 26.3 21.0 31.6

88 18.3 14.6 22.0



#34

2-Butanone

Concen: 9.349 ppbv

RT: 4.783 min Scan# 678

Delta R.T. -0.013 min

Lab File: VL040431.D

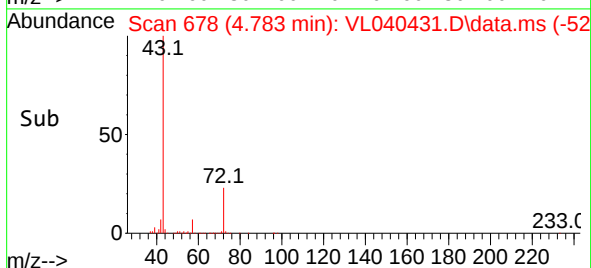
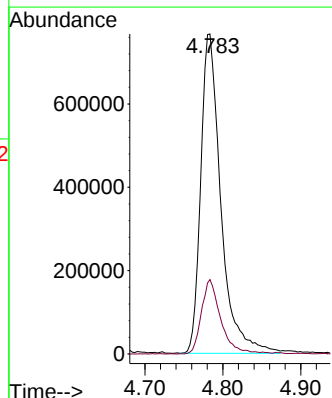
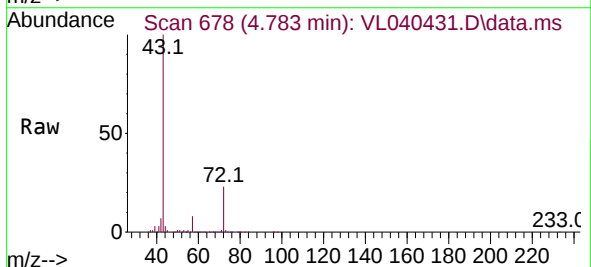
Acq: 16 May 2023 9:34

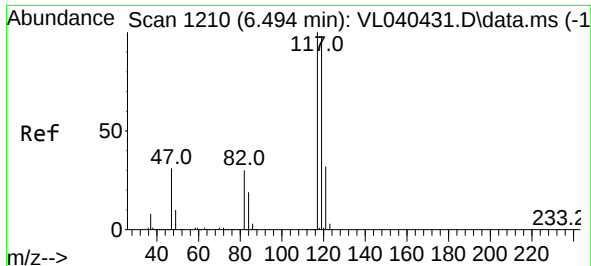
Tgt Ion: 43 Resp: 1375545

Ion Ratio Lower Upper

43 100

72 22.9 18.3 27.5

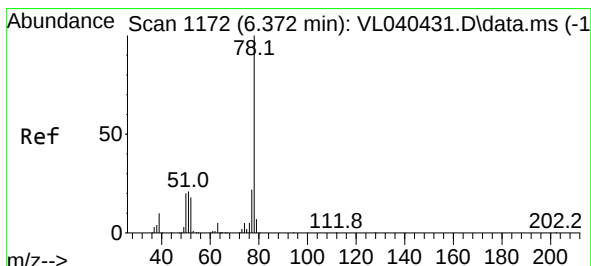
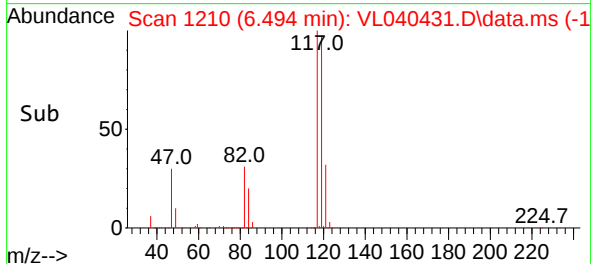
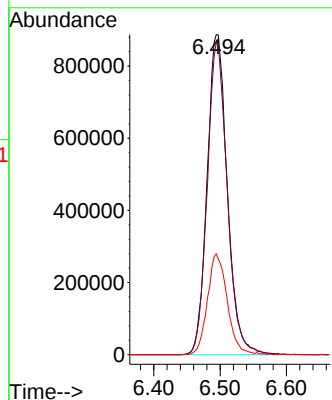
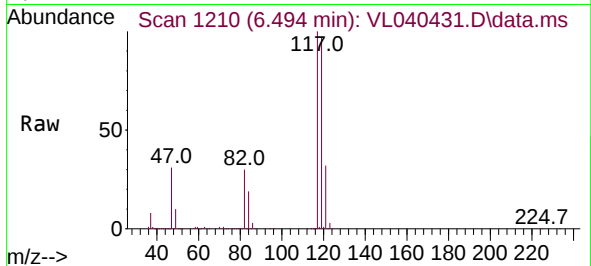




#35
Carbon Tetrachloride
Concen: 9.469 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

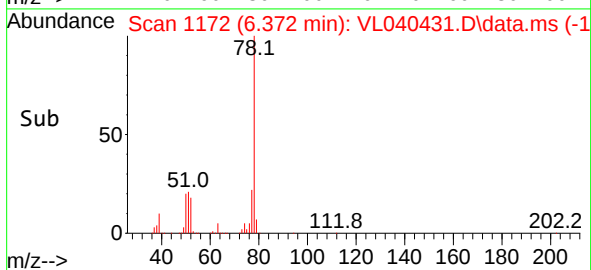
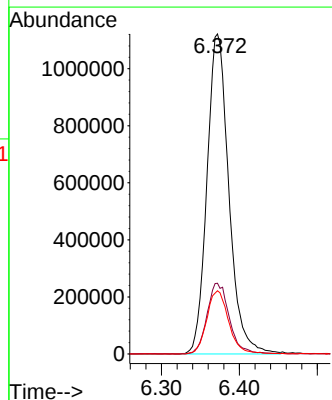
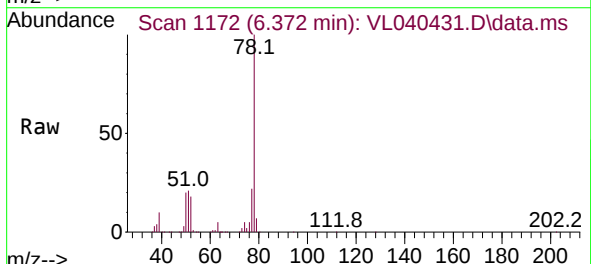
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

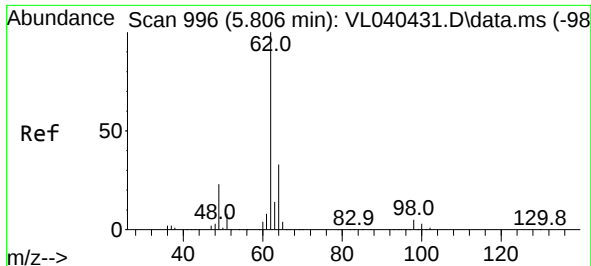
Tgt Ion:117 Resp: 1878383
Ion Ratio Lower Upper
117 100
119 97.5 78.0 117.0
121 31.5 25.2 37.8



#36
Benzene
Concen: 9.771 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. -0.013 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 78 Resp: 2193353
Ion Ratio Lower Upper
78 100
77 22.1 17.7 26.5
50 19.8 15.8 23.8

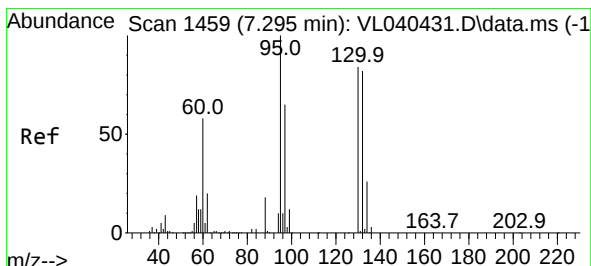
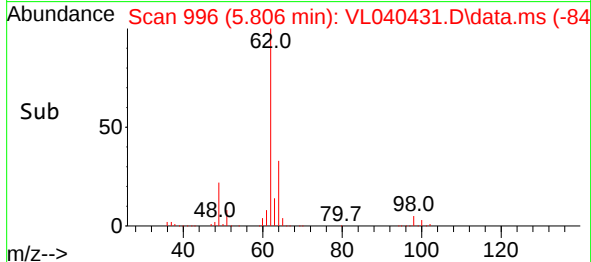
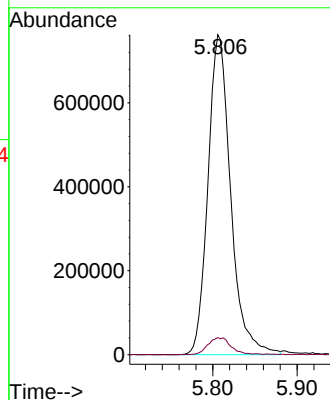
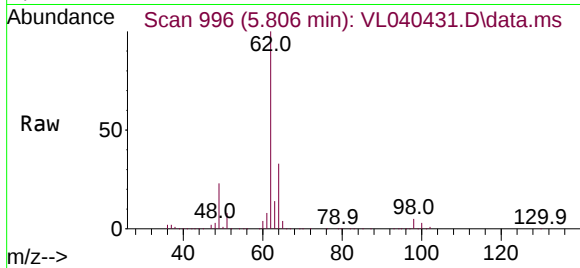




#37
1,2-Dichloroethane
Concen: 9.743 ppbv
RT: 5.806 min Scan# 996
Delta R.T. -0.013 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

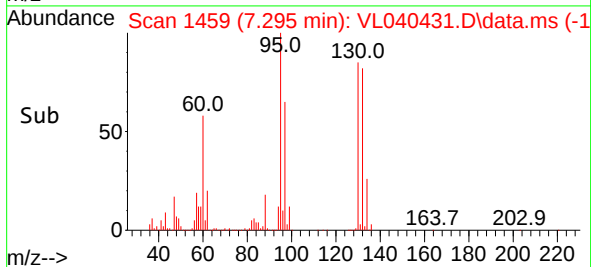
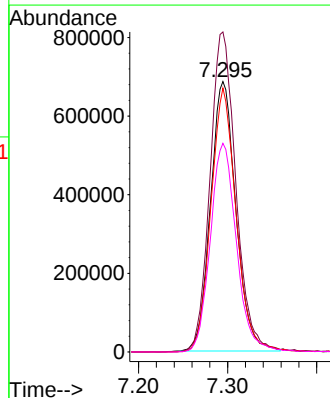
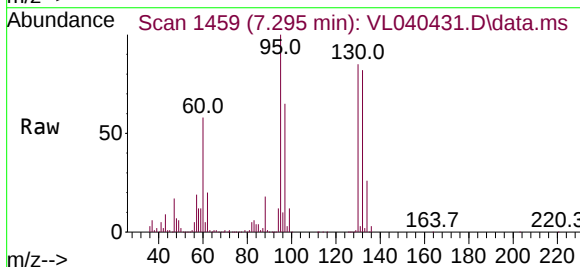
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

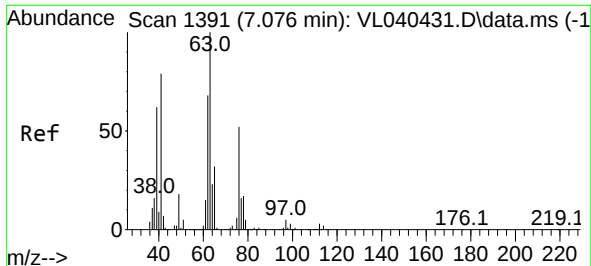
Tgt Ion: 62 Resp: 1429072
Ion Ratio Lower Upper
62 100
98 5.6 4.5 6.7



#38
Trichloroethene
Concen: 9.827 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion:130 Resp: 1358992
Ion Ratio Lower Upper
130 100
95 118.5 94.8 142.2
132 97.8 78.2 117.4
97 77.3 61.8 92.8





#39

1,2-Dichloropropane

Concen: 9.630 ppbv

RT: 7.076 min Scan# 1391

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

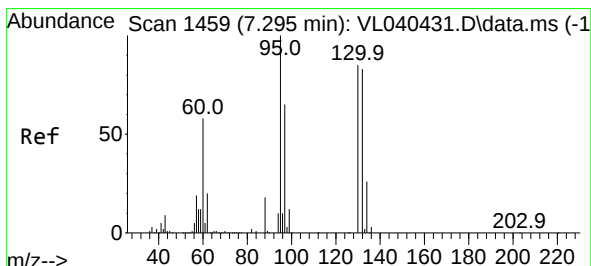
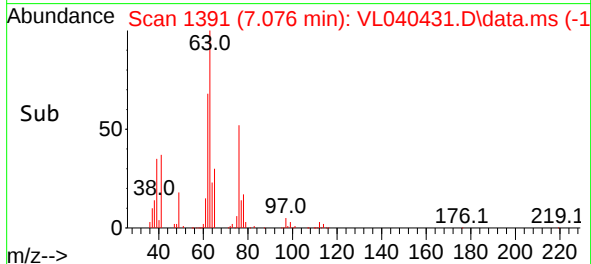
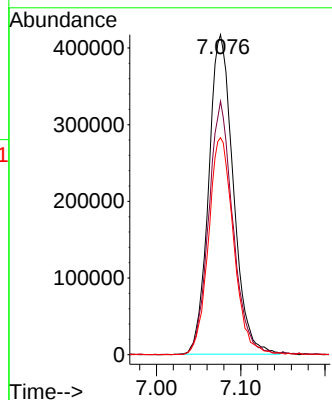
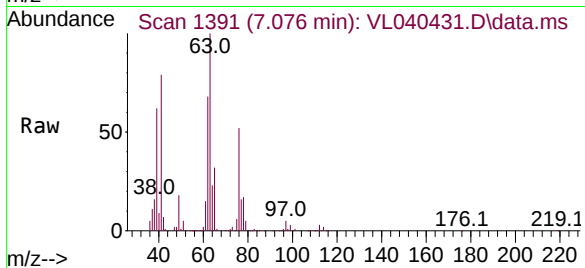
Tgt Ion: 63 Resp: 846798

Ion Ratio Lower Upper

63 100

41 79.1 63.3 94.9

62 67.8 54.2 81.4



#40

1,4-Dioxane

Concen: 9.257 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. -0.010 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion: 88 Resp: 309610

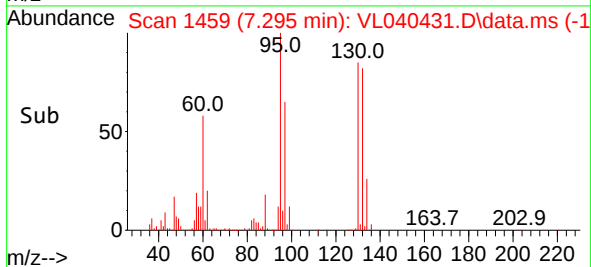
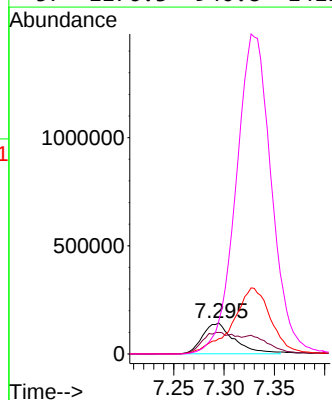
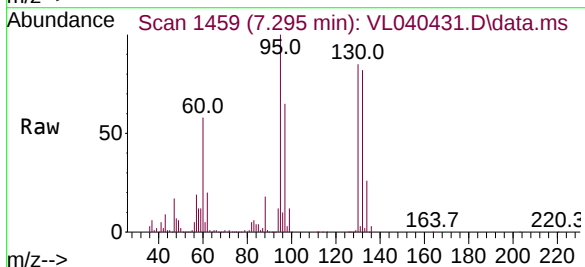
Ion Ratio Lower Upper

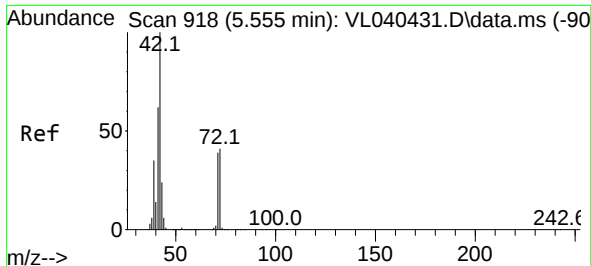
88 100

58 129.4 101.5 152.3

43 263.4 211.7 317.5

57 1176.3 940.8 1411.2





#41

Tetrahydrofuran

Concen: 10.171 ppbv

RT: 5.555 min Scan# 918

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

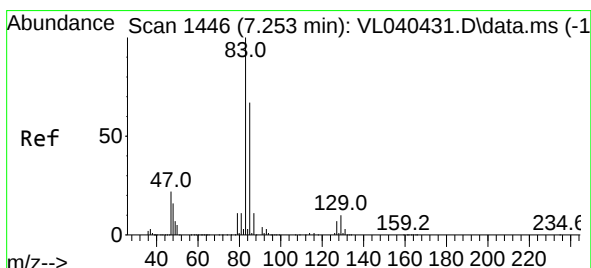
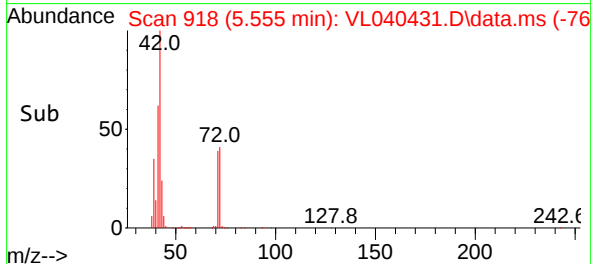
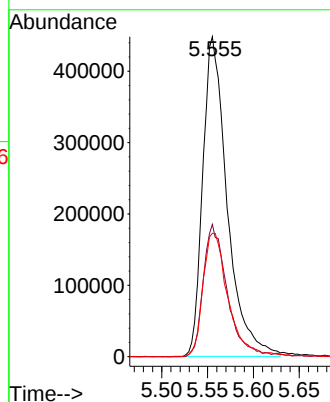
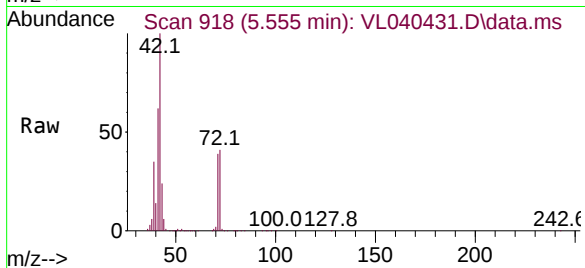
Tgt Ion: 42 Resp: 830420

Ion Ratio Lower Upper

42 100

72 41.3 33.0 49.4

71 40.1 32.2 48.2



#42

Bromodichloromethane

Concen: 10.057 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

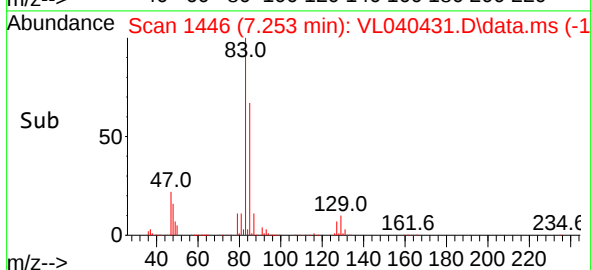
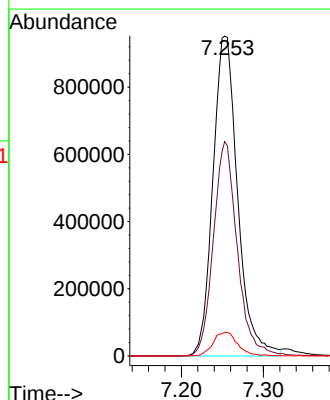
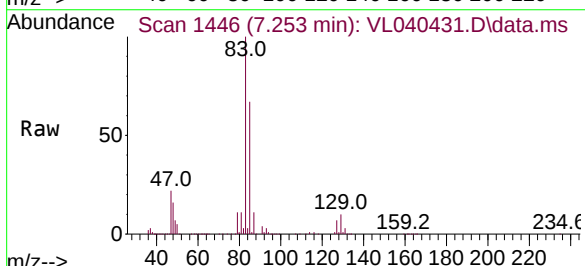
Tgt Ion: 83 Resp: 1996722

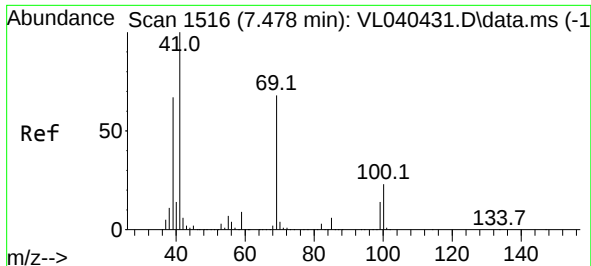
Ion Ratio Lower Upper

83 100

85 67.0 53.6 80.4

127 7.4 5.9 8.9

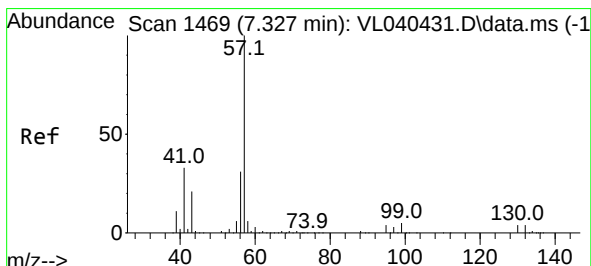
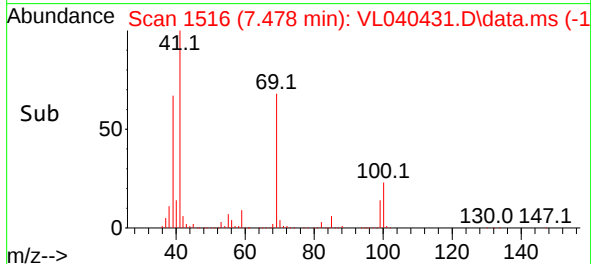
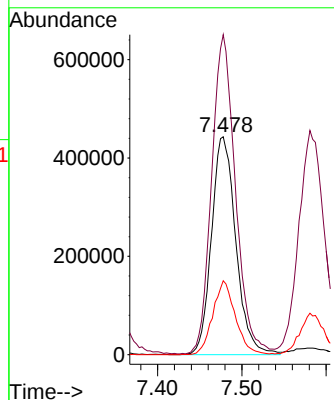
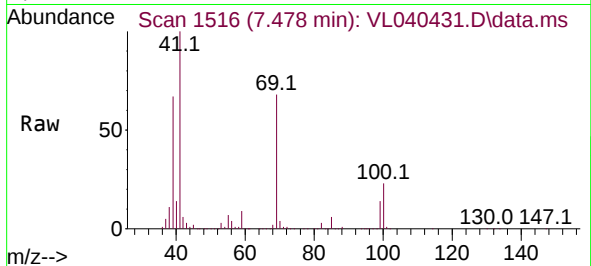




#43
Methyl Methacrylate
Concen: 10.715 ppbv
RT: 7.478 min Scan# 1516
Delta R.T. -0.013 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

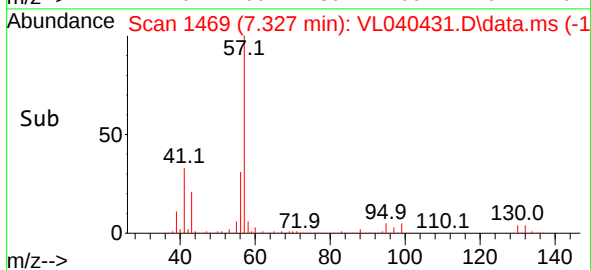
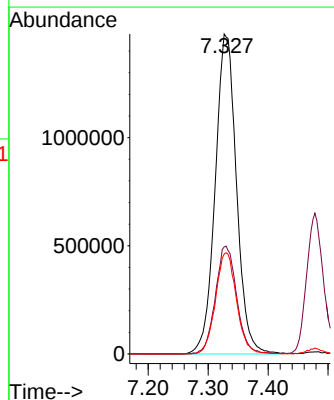
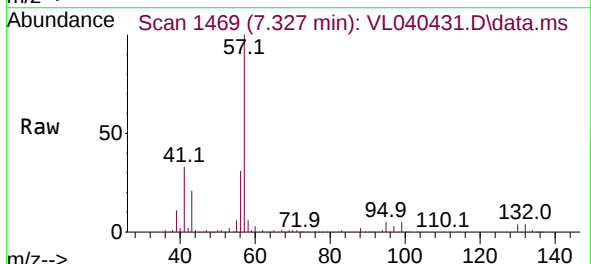
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

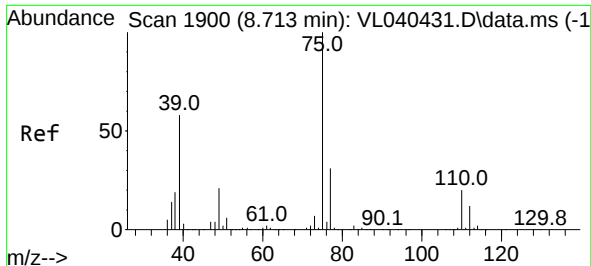
Tgt Ion: 69 Resp: 889795
Ion Ratio Lower Upper
69 100
41 143.1 114.8 172.2
100 31.5 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.793 ppbv
RT: 7.327 min Scan# 1469
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 57 Resp: 3637906
Ion Ratio Lower Upper
57 100
41 33.7 27.0 40.4
56 31.2 25.0 37.4

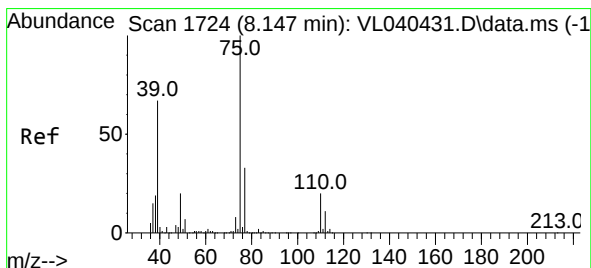
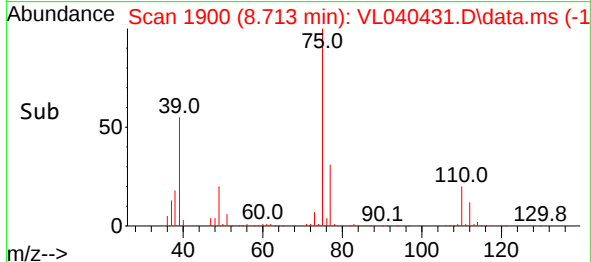
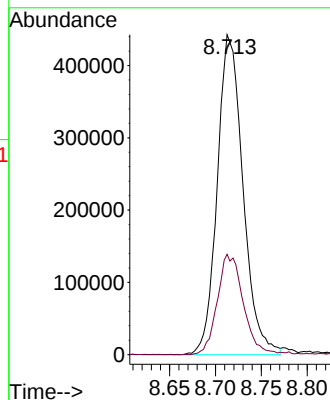
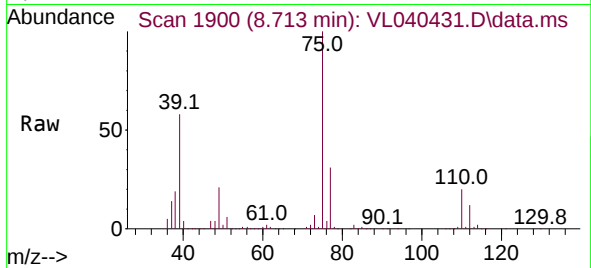




#45
 t-1,3-Dichloropropene
 Concen: 11.882 ppbv
 RT: 8.713 min Scan# 1900
 Delta R.T. -0.016 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

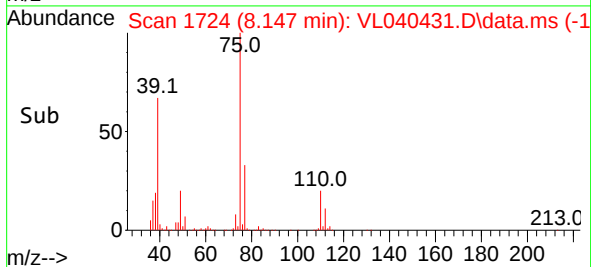
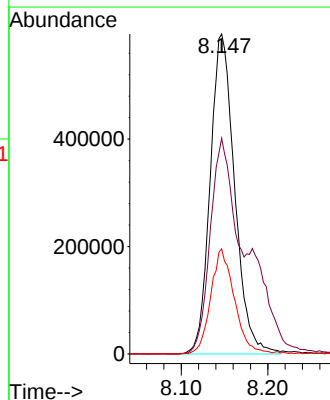
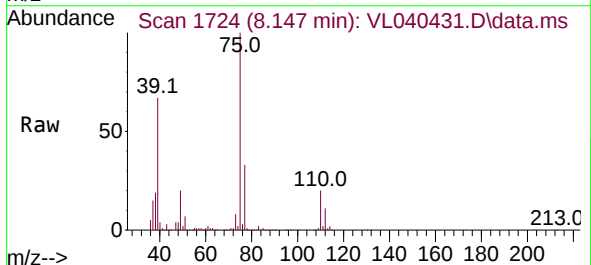
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

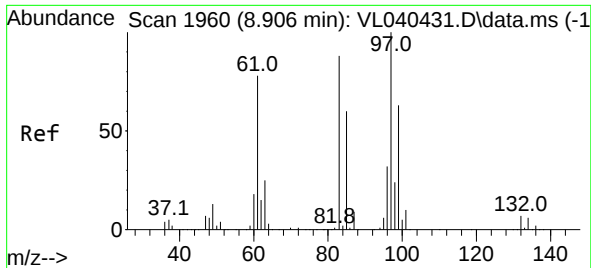
Tgt Ion: 75 Resp: 864365
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.0 37.6



#46
 cis-1,3-Dichloropropene
 Concen: 11.356 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. -0.016 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion: 75 Resp: 1167464
 Ion Ratio Lower Upper
 75 100
 39 67.3 53.8 80.8
 77 32.9 26.3 39.5

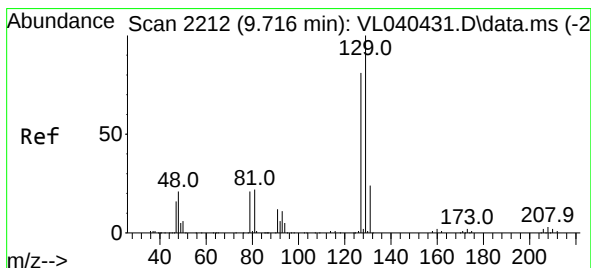
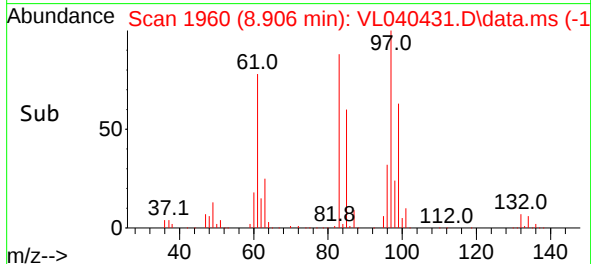
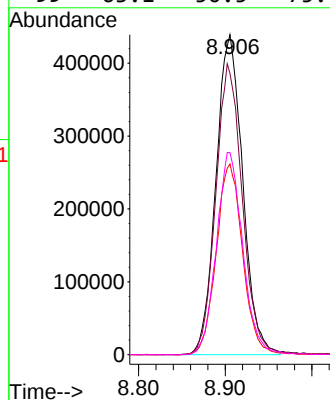
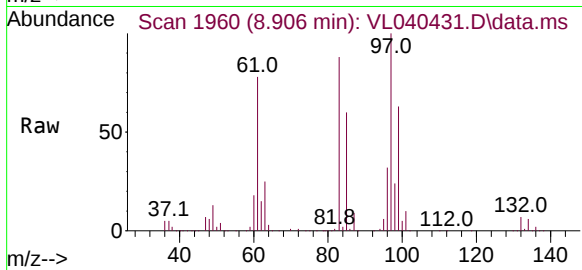




#47
 1,1,2-Trichloroethane
 Concen: 9.800 ppbv
 RT: 8.906 min Scan# 1960
 Delta R.T. -0.016 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

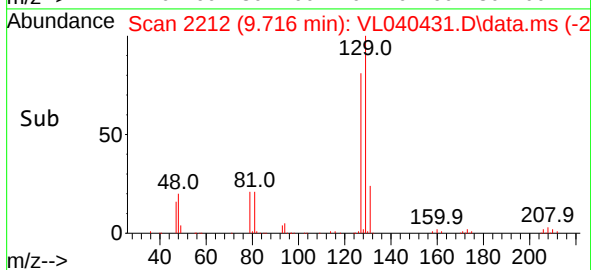
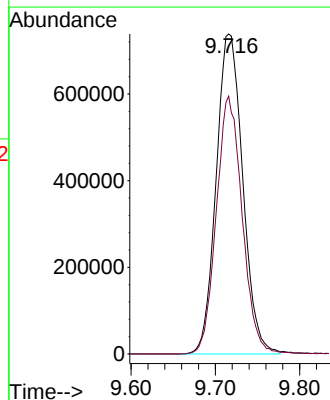
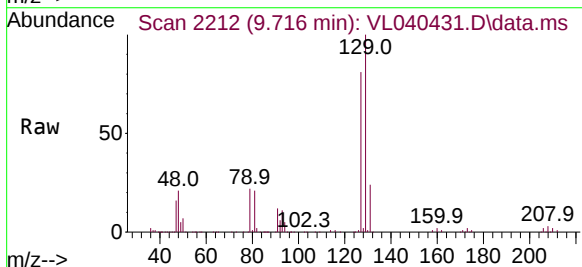
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

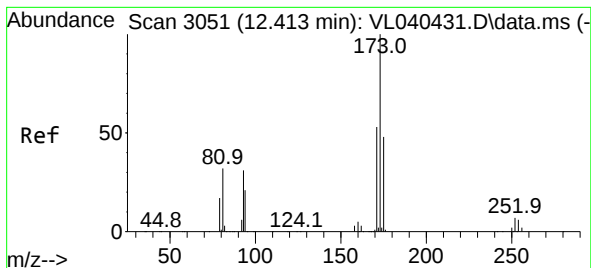
Tgt Ion: 97	Resp: 940547
Ion Ratio	Lower Upper
97 100	
83 87.9	70.3 105.5
85 59.6	47.7 71.5
99 63.1	50.5 75.7



#48
 Dibromochloromethane
 Concen: 10.548 ppbv
 RT: 9.716 min Scan# 2212
 Delta R.T. -0.016 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Tgt Ion:129	Resp: 1616958		
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.2	117.6





#49

Bromoform

Concen: 10.860 ppbv

RT: 12.413 min Scan# 3051

Delta R.T. -0.019 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

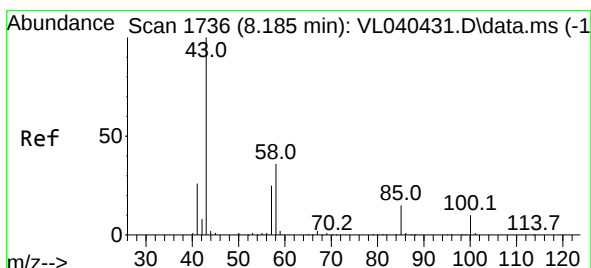
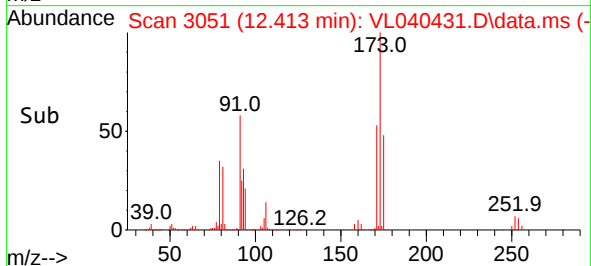
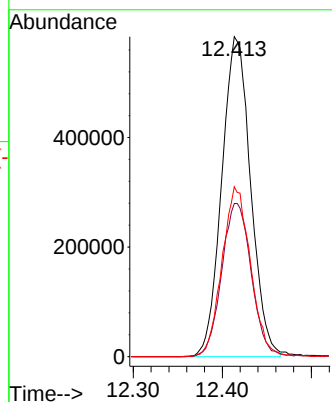
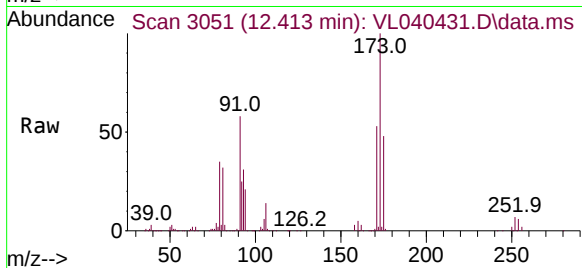
Tgt Ion:173 Resp: 1313440

Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.2

171 52.5 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.117 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. -0.013 min

Lab File: VL040431.D

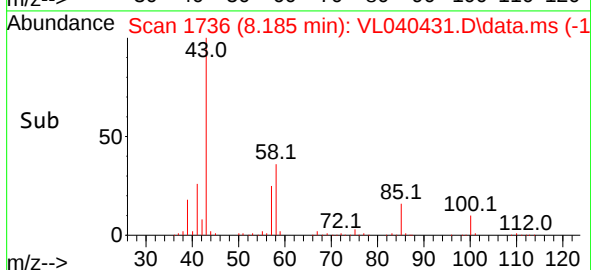
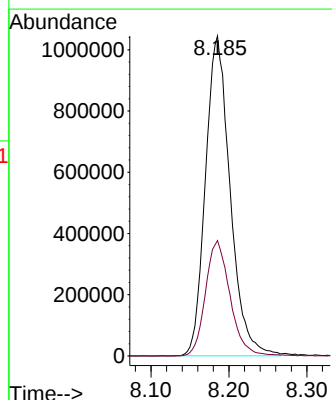
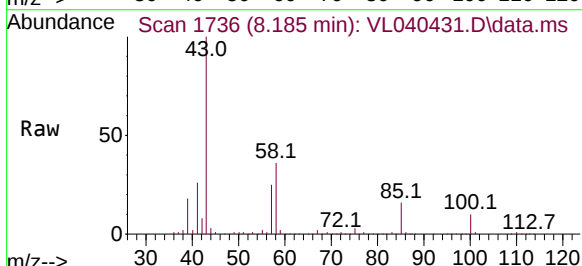
Acq: 16 May 2023 9:34

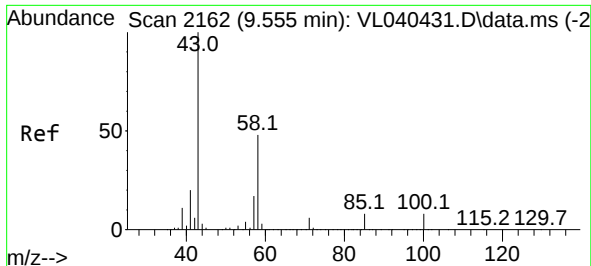
Tgt Ion: 43 Resp: 2299601

Ion Ratio Lower Upper

43 100

58 36.0 28.8 43.2

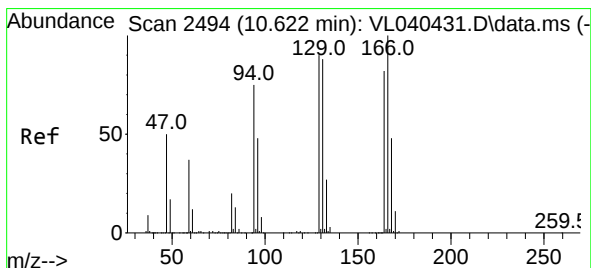
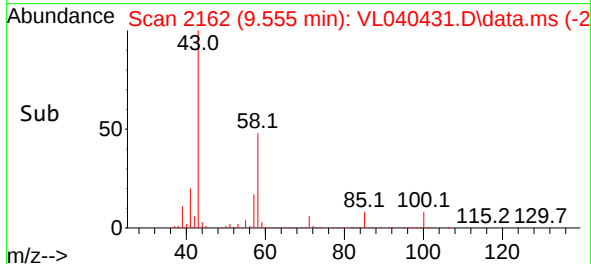
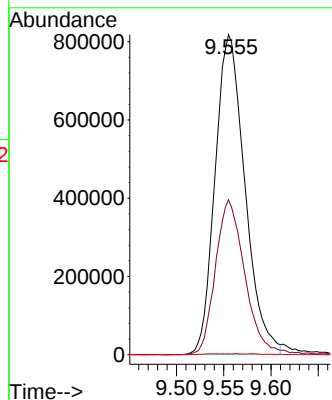
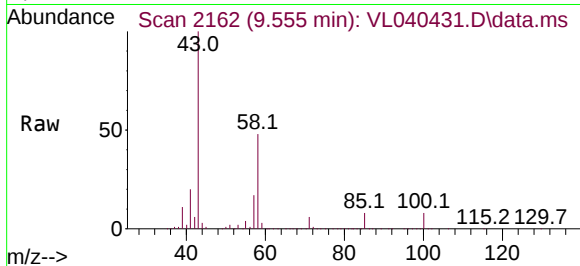




#51
2-Hexanone
Concen: 10.714 ppbv
RT: 9.555 min Scan# 2162
Delta R.T. -0.013 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

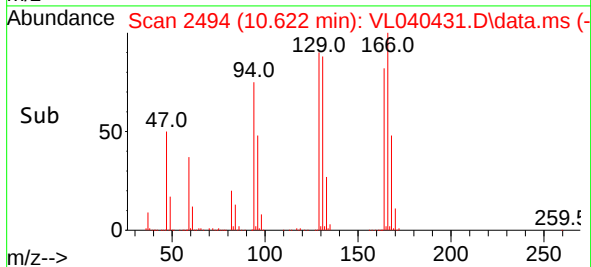
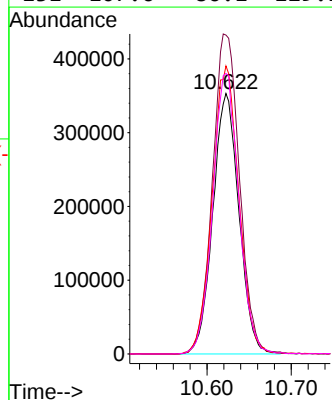
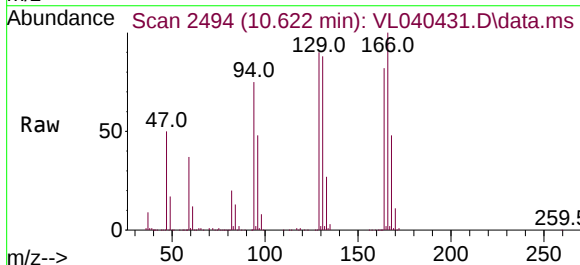
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

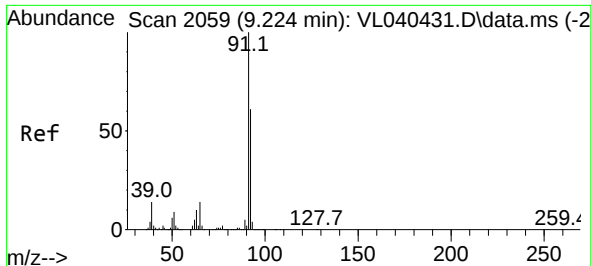
Tgt Ion: 43 Resp: 1793713
Ion Ratio Lower Upper
43 100
58 48.1 38.5 57.7
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 9.936 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 164 Resp: 757403
Ion Ratio Lower Upper
164 100
166 122.2 97.8 146.6
129 110.5 88.4 132.6
131 107.6 86.1 129.1

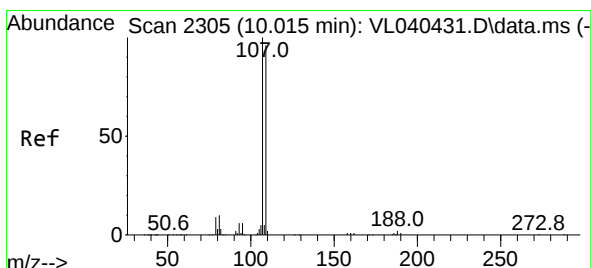
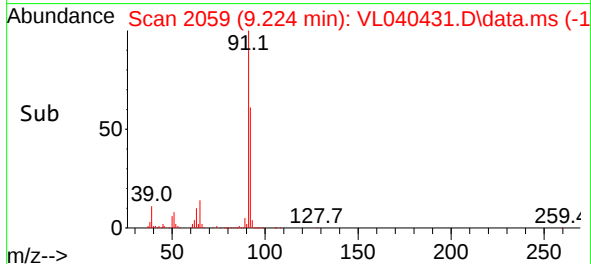
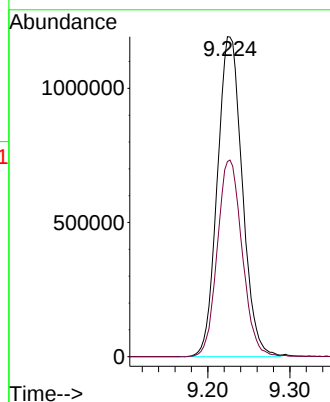
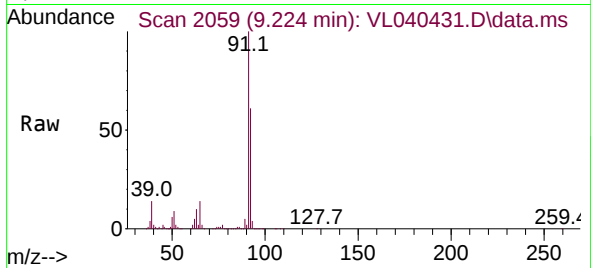




#53
Toluene
Concen: 10.632 ppbv
RT: 9.224 min Scan# 2059
Delta R.T. -0.019 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

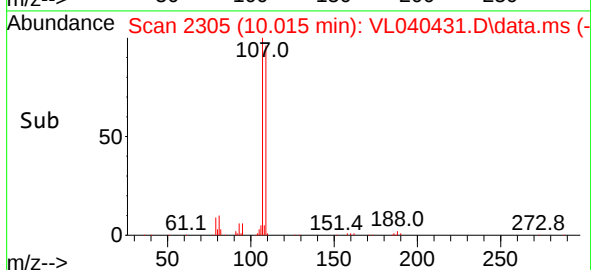
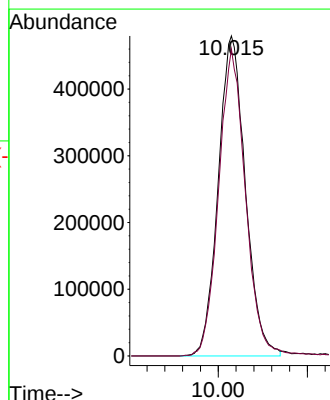
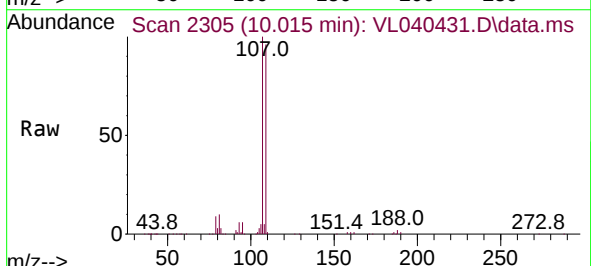
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

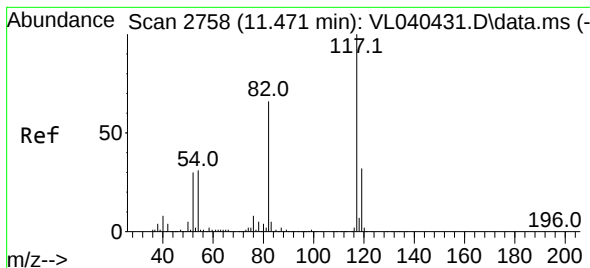
Tgt Ion: 91 Resp: 2520792
Ion Ratio Lower Upper
91 100
92 61.4 49.1 73.7



#54
1,2-Dibromoethane
Concen: 10.575 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 107 Resp: 1014217
Ion Ratio Lower Upper
107 100
109 95.9 76.7 115.1

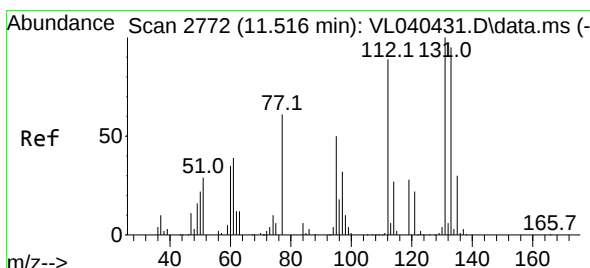
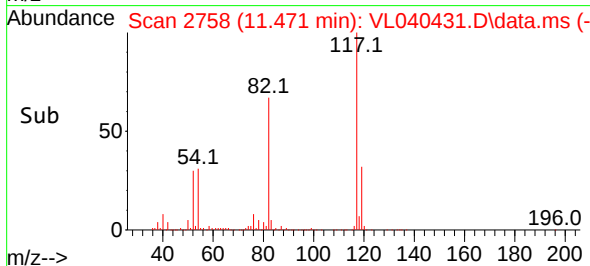
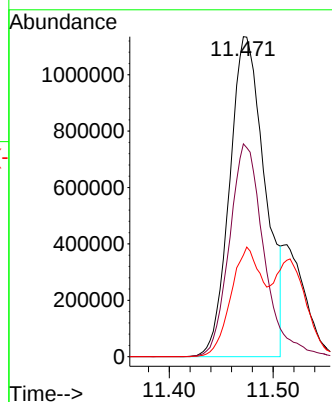
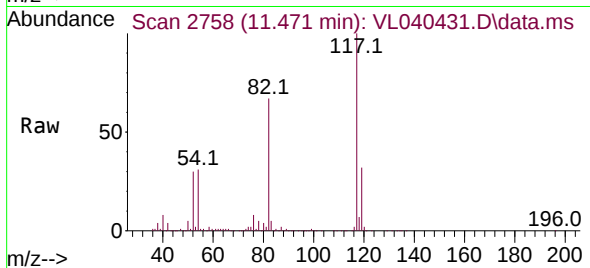




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.019 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

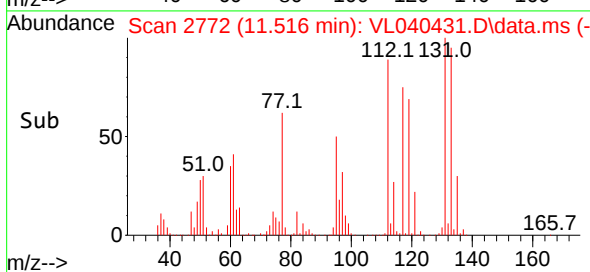
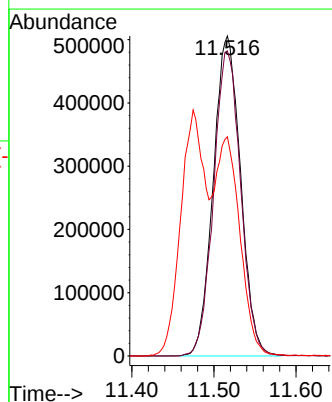
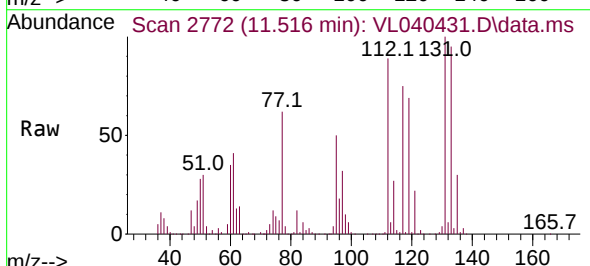
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

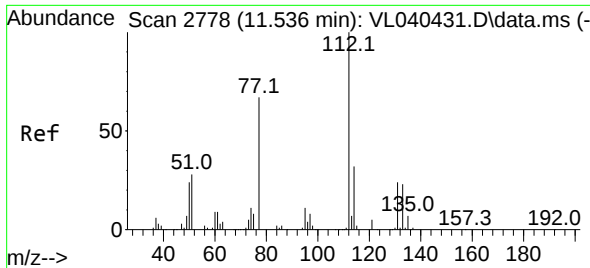
Tgt Ion:117 Resp: 2673969
Ion Ratio Lower Upper
117 100
82 65.6 52.5 78.7
119 30.0 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.425 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. -0.013 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion:131 Resp: 1167148
Ion Ratio Lower Upper
131 100
133 94.8 75.8 113.8
119 65.0 48.7 73.1

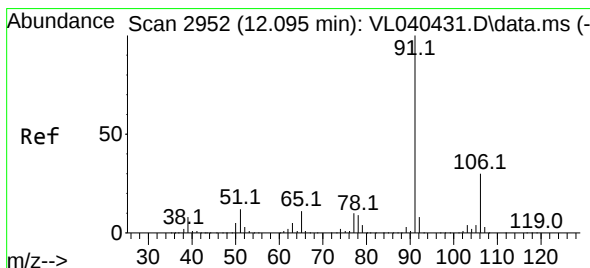
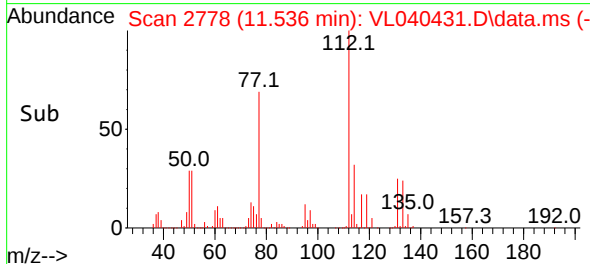
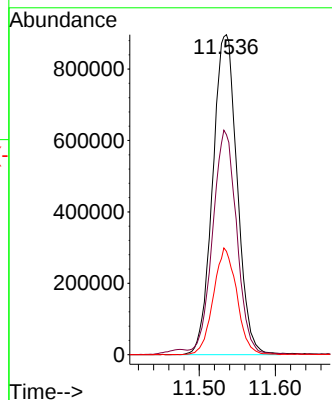
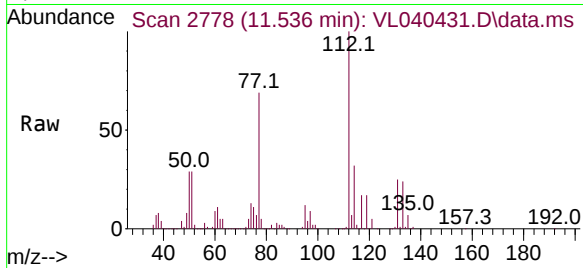




#57
Chlorobenzene
Concen: 9.302 ppbv
RT: 11.536 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

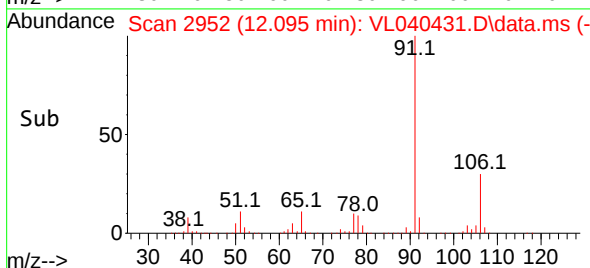
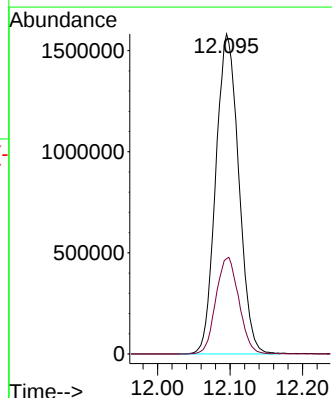
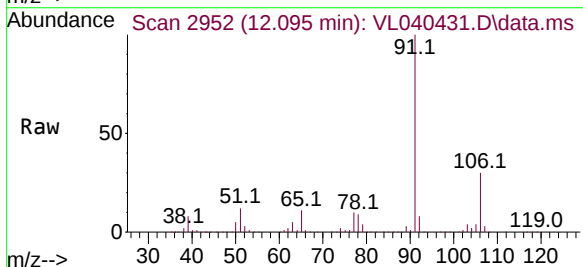
Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

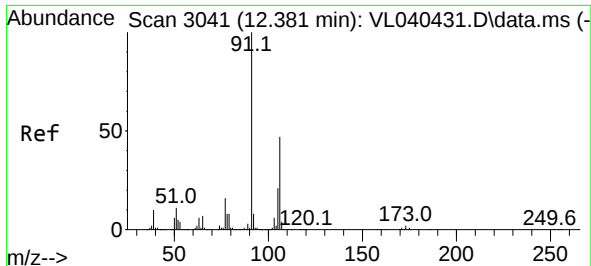
Tgt Ion:112 Resp: 2002580
Ion Ratio Lower Upper
112 100
77 68.4 54.7 82.1
114 32.2 29.0 35.4



#58
Ethyl Benzene
Concen: 10.293 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 91 Resp: 3483069
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8





#59

m/p-Xylene

Concen: 10.728 ppbv

RT: 12.381 min Scan# 3041

Delta R.T. -0.016 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

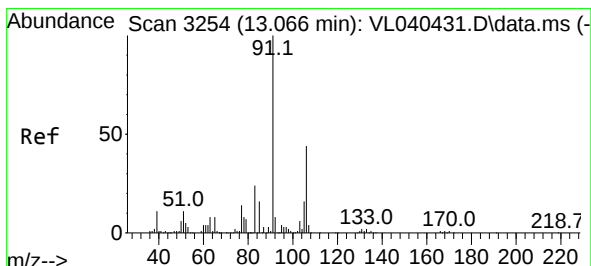
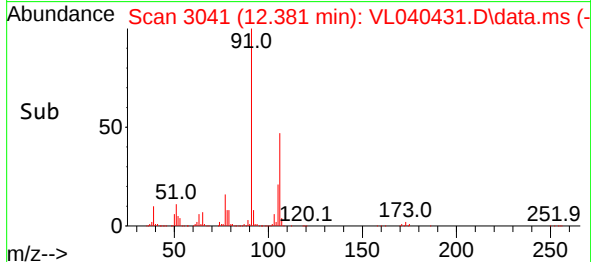
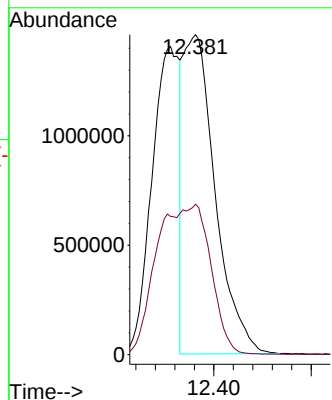
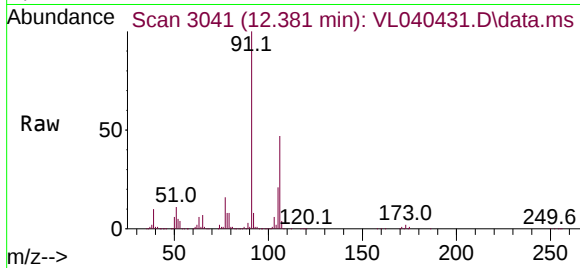
VSTDICCC010

Tgt Ion: 91 Resp: 3311293

Ion Ratio Lower Upper

91 100

106 80.1 34.9 52.3#



#60

o-Xylene

Concen: 10.031 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. -0.016 min

Lab File: VL040431.D

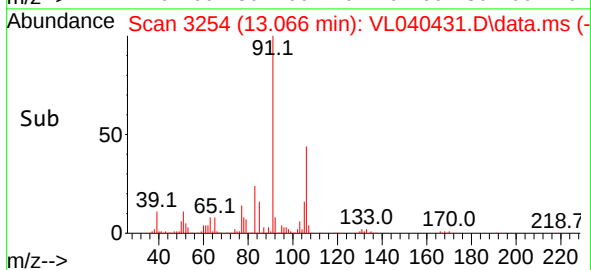
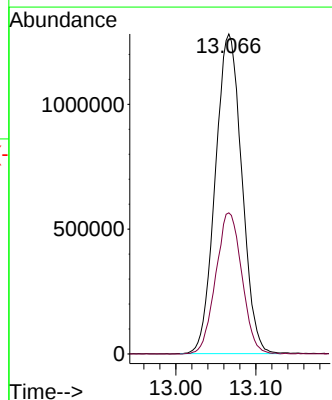
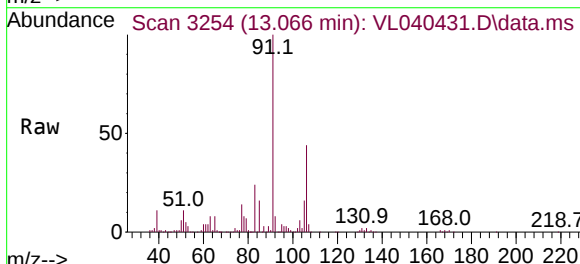
Acq: 16 May 2023 9:34

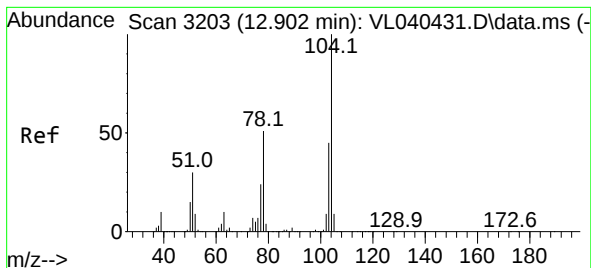
Tgt Ion: 91 Resp: 2946642

Ion Ratio Lower Upper

91 100

106 43.7 21.8 65.4





#61

Styrene

Concen: 11.289 ppbv

RT: 12.902 min Scan# 31

Delta R.T. -0.019 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

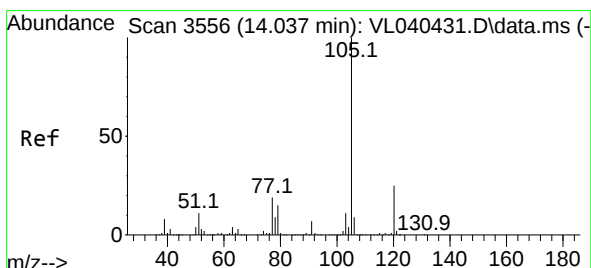
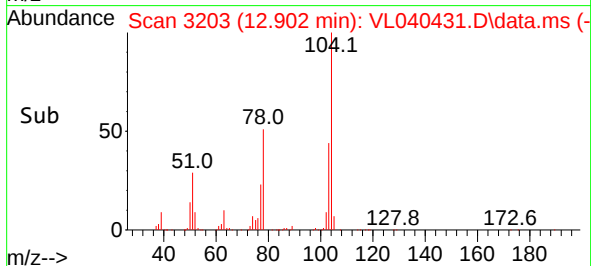
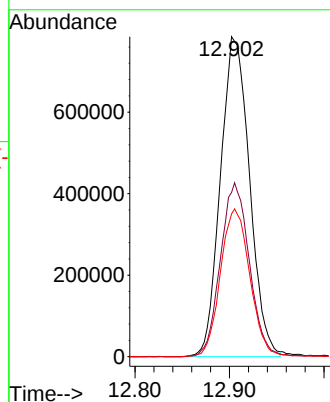
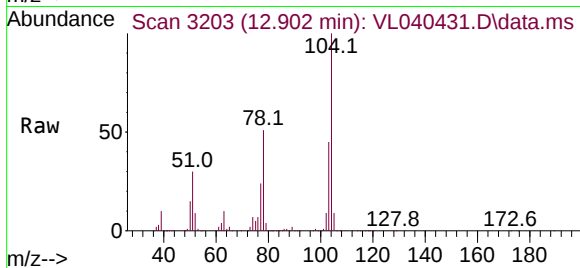
Tgt Ion:104 Resp: 1679724

Ion Ratio Lower Upper

104 100

78 54.1 43.3 64.9

103 46.8 37.4 56.2



#62

Isopropylbenzene

Concen: 9.625 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. -0.019 min

Lab File: VL040431.D

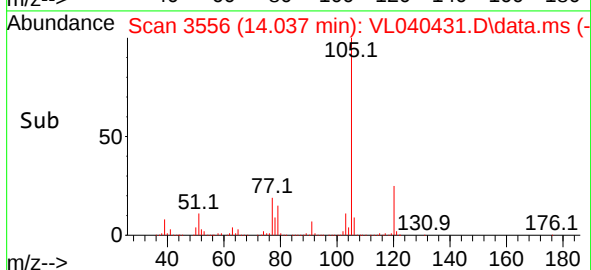
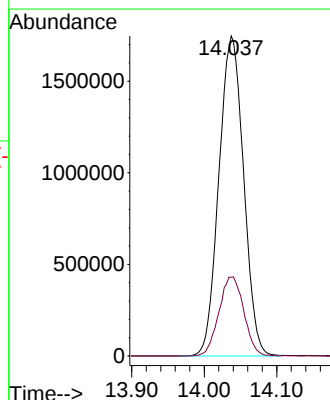
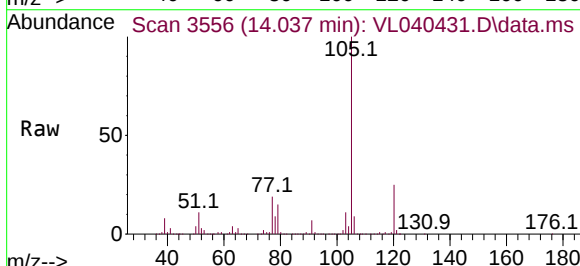
Acq: 16 May 2023 9:34

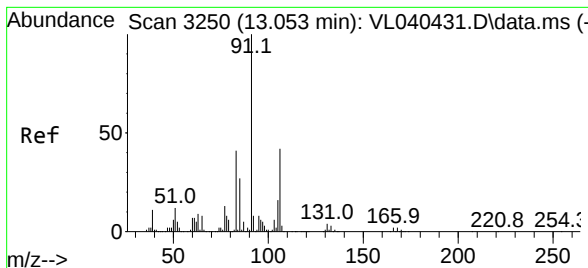
Tgt Ion:105 Resp: 4132781

Ion Ratio Lower Upper

105 100

120 25.0 20.0 30.0

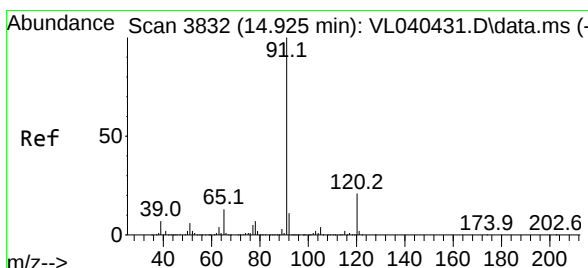
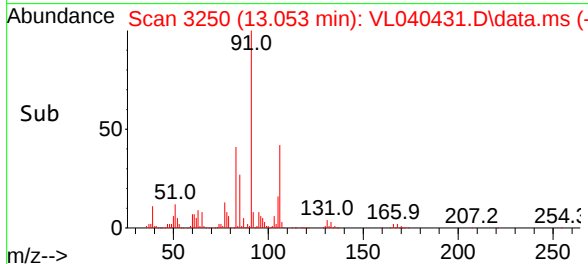
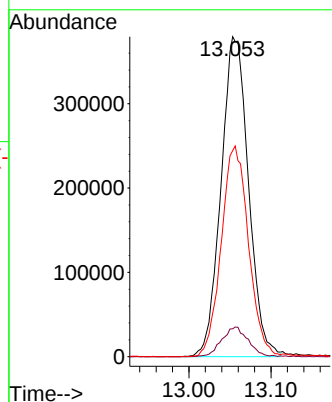
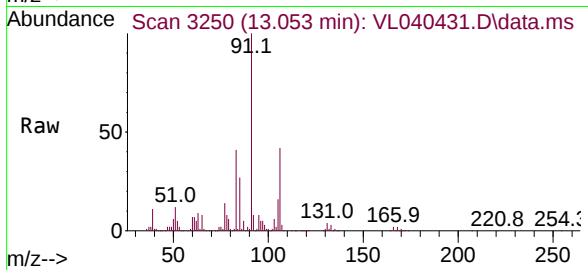




#63
1,1,2,2-Tetrachloroethane
Concen: 8.326 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

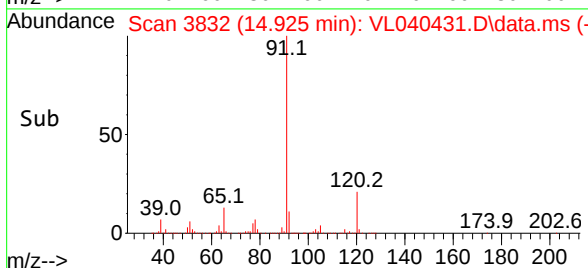
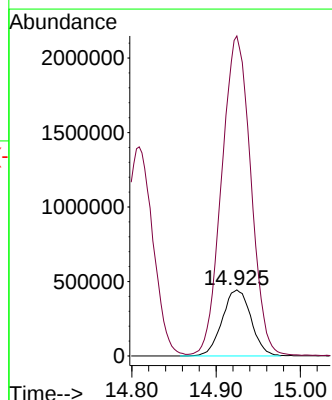
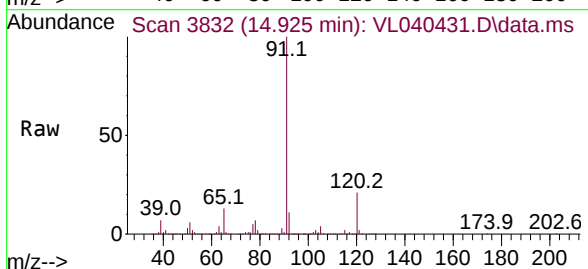
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

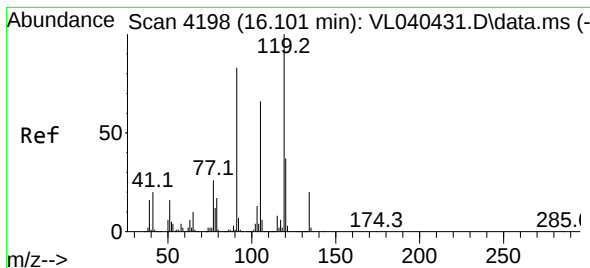
Tgt Ion: 83 Resp: 882195
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 66.0 33.0 99.0



#64
n-propylbenzene
Concen: 9.921 ppbv
RT: 14.925 min Scan# 3832
Delta R.T. -0.019 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 120 Resp: 1050946
Ion Ratio Lower Upper
120 100
91 492.1 393.2 589.8





#65

tert-Butylbenzene

Concen: 9.647 ppbv

RT: 16.101 min Scan# 41

Delta R.T. -0.016 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

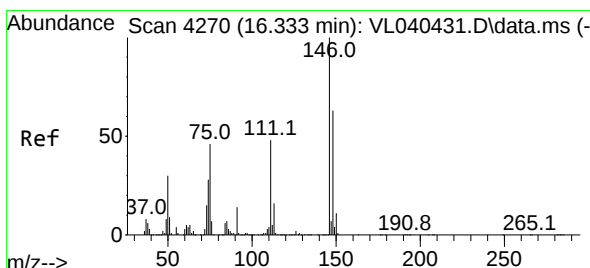
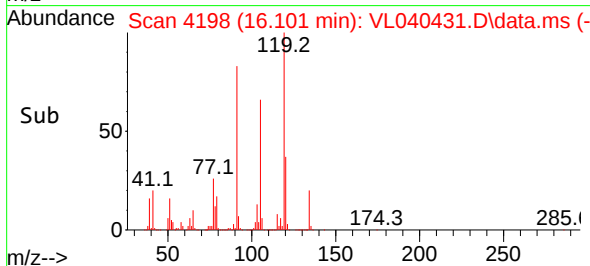
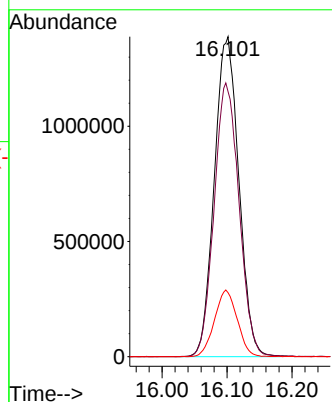
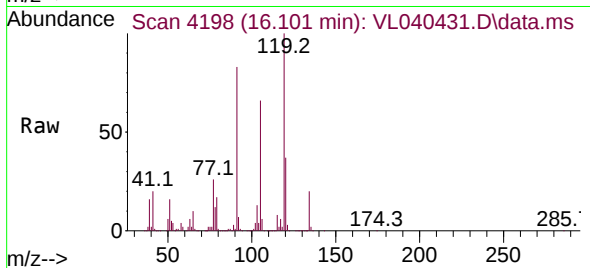
Tgt Ion:119 Resp: 3632838

Ion Ratio Lower Upper

119 100

91 87.1 69.8 104.6

134 19.4 15.4 23.2



#66

Benzyl Chloride

Concen: 10.231 ppbv

RT: 16.333 min Scan# 4270

Delta R.T. -0.019 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

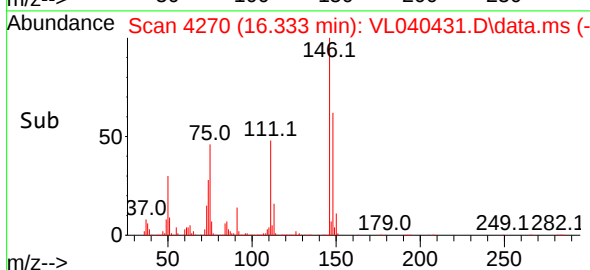
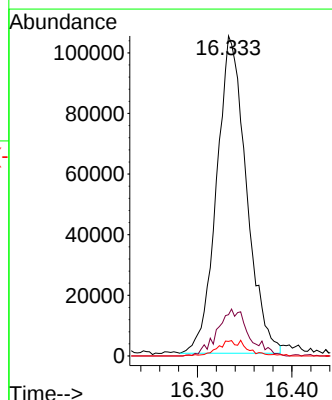
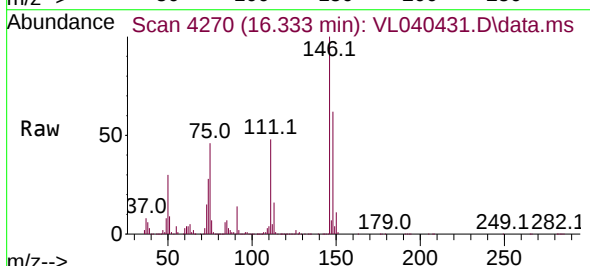
Tgt Ion: 91 Resp: 228601

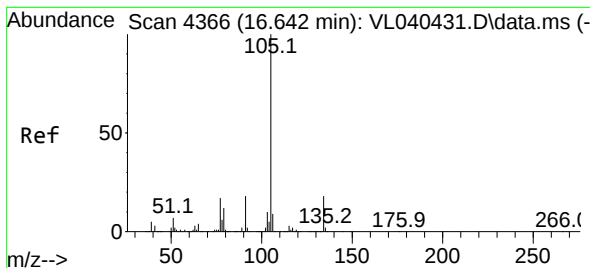
Ion Ratio Lower Upper

91 100

126 15.8 12.6 19.0

128 4.9 3.9 5.9





#67

sec-Butylbenzene

Concen: 9.575 ppbv

RT: 16.642 min Scan# 4366

Delta R.T. -0.022 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_1

ClientSampleId :

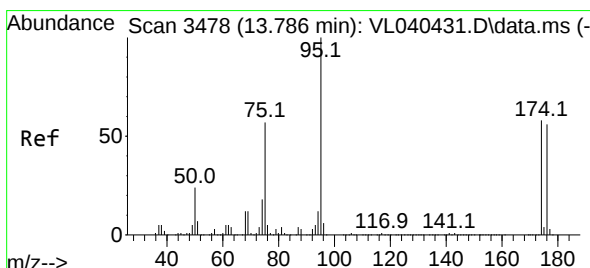
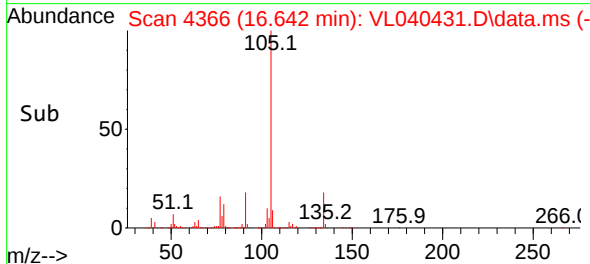
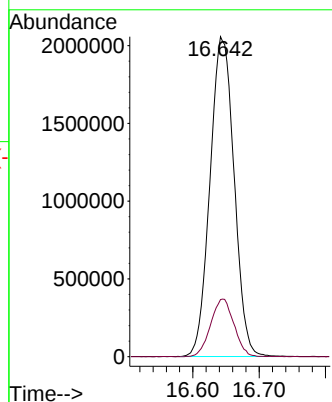
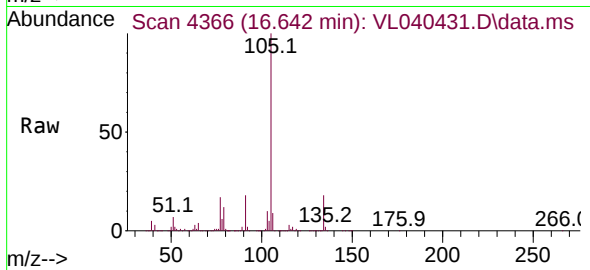
VSTDICCC010

Tgt Ion:105 Resp: 5192715

Ion Ratio Lower Upper

105 100

134 17.5 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.951 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

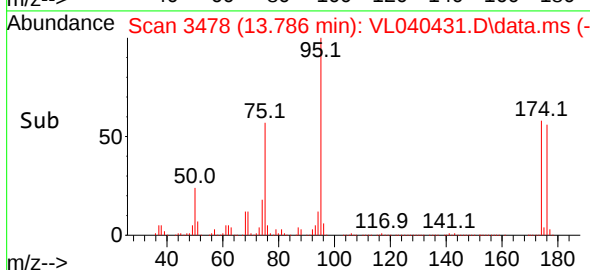
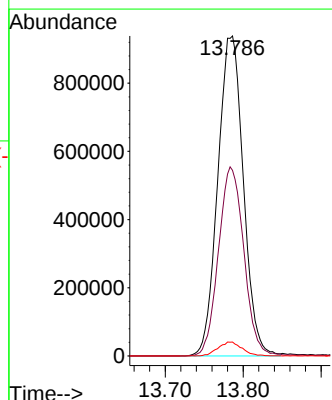
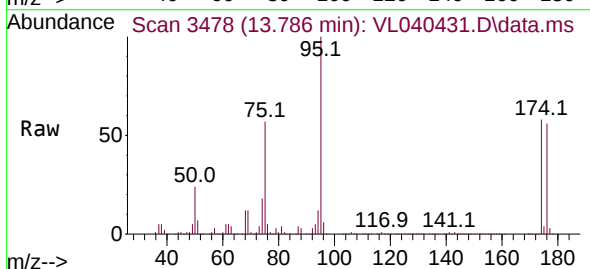
Tgt Ion: 95 Resp: 2139477

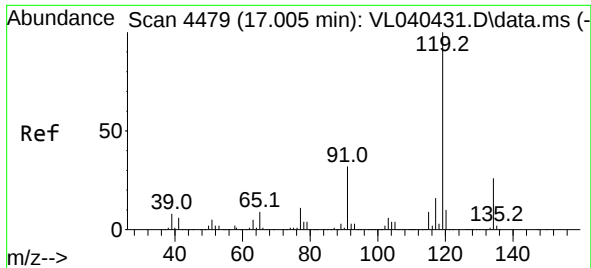
Ion Ratio Lower Upper

95 100

174 59.1 47.0 70.6

175 4.2 3.4 5.0

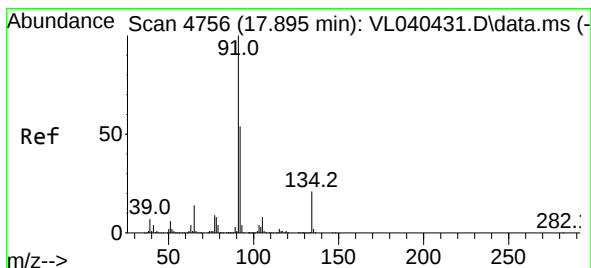
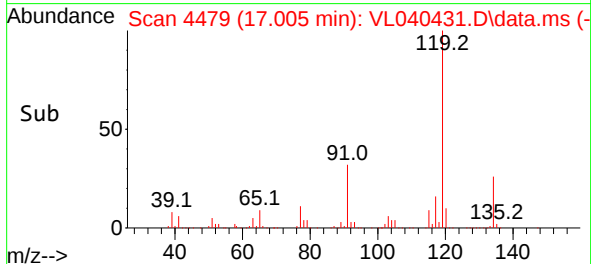
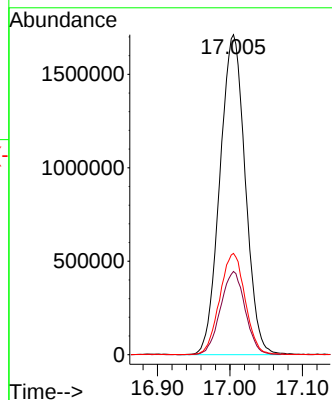
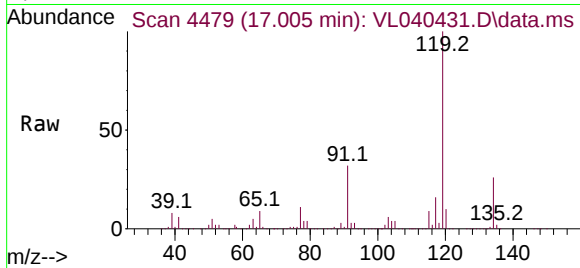




#69
p-Isopropyltoluene
Concen: 9.745 ppbv
RT: 17.005 min Scan# 4479
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

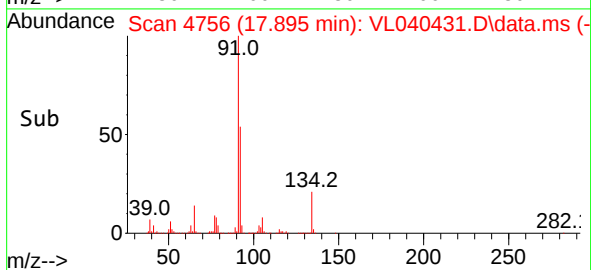
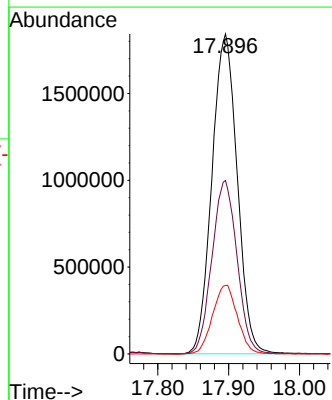
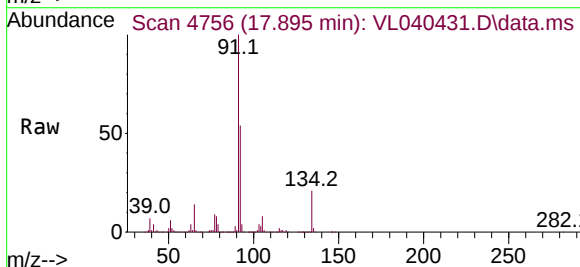
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

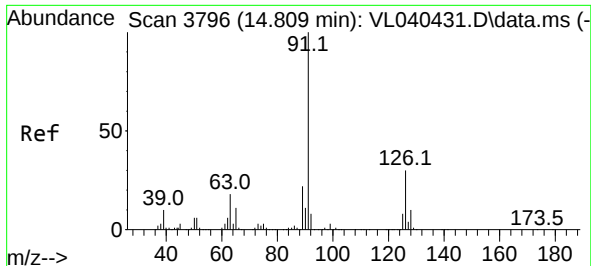
Tgt Ion:119 Resp: 4151223
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.4
91 31.7 25.4 38.0



#70
n-Butylbenzene
Concen: 9.603 ppbv
RT: 17.895 min Scan# 4756
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 91 Resp: 4559036
Ion Ratio Lower Upper
91 100
92 54.0 43.2 64.8
134 21.1 16.9 25.3

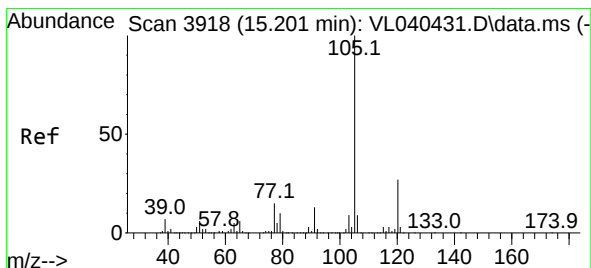
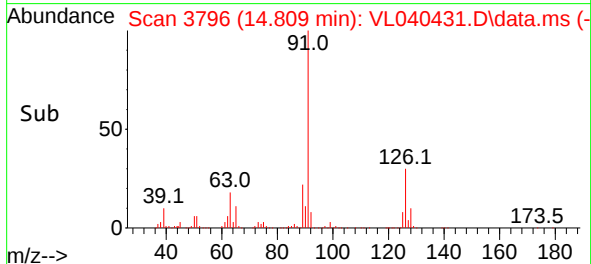
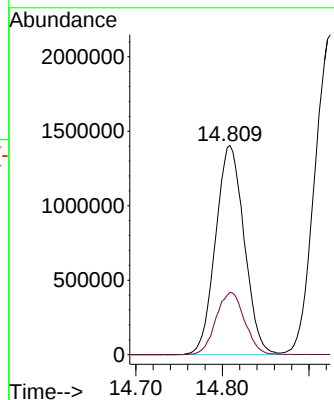
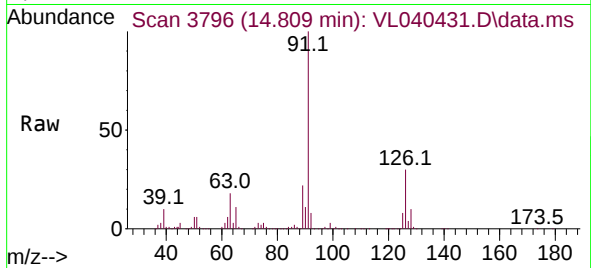




#71
2-Chlorotoluene
Concen: 9.862 ppbv
RT: 14.809 min Scan# 3796
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

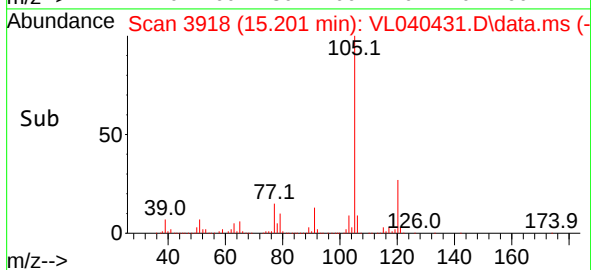
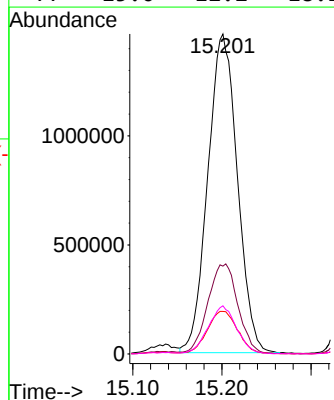
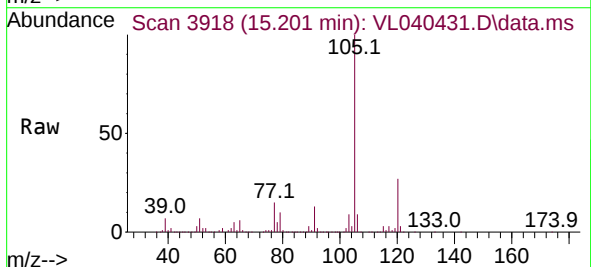
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

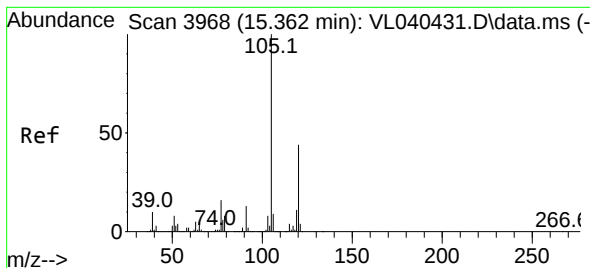
Tgt Ion: 91 Resp: 3221445
Ion Ratio Lower Upper
91 100
126 29.9 12.0 48.0



#72
4-Ethyltoluene
Concen: 10.110 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. -0.019 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion: 105 Resp: 3367530
Ion Ratio Lower Upper
105 100
120 28.9 23.8 35.8
91 13.6 11.0 16.4
77 15.0 12.2 18.2





#73

1,3,5-Trimethylbenzene

Concen: 9.901 ppbv

RT: 15.362 min Scan# 3968

Delta R.T. -0.013 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

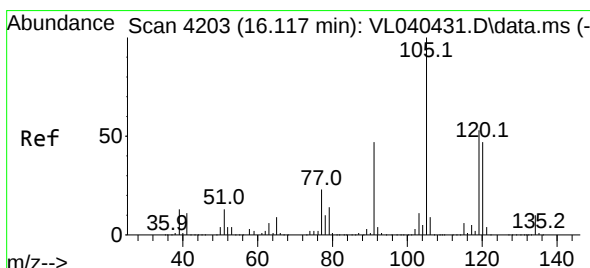
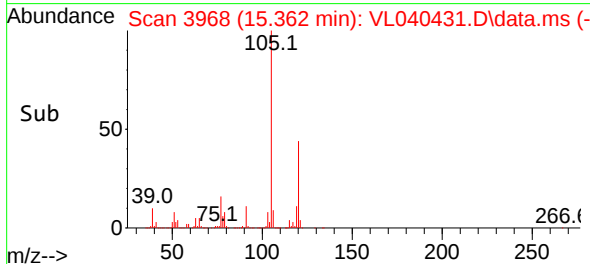
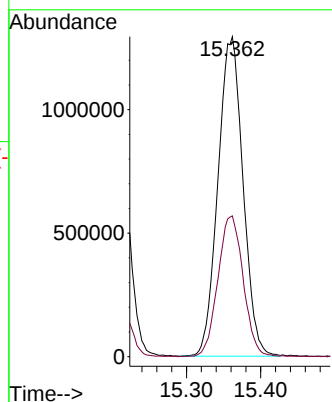
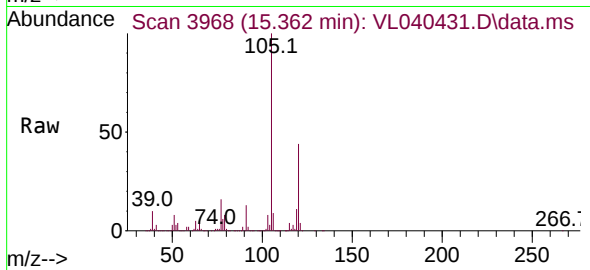
VSTDICCC010

Tgt Ion:105 Resp: 3027552

Ion Ratio Lower Upper

105 100

120 44.0 35.2 52.8



#74

1,2,4-Trimethylbenzene

Concen: 9.403 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. -0.016 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Tgt Ion:105 Resp: 3308085

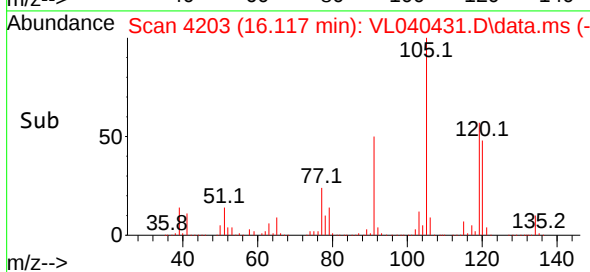
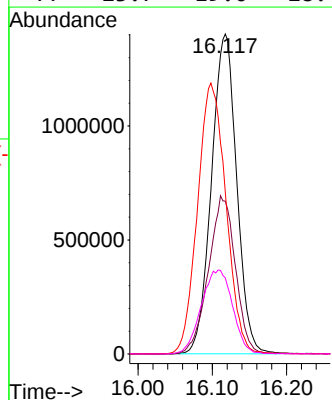
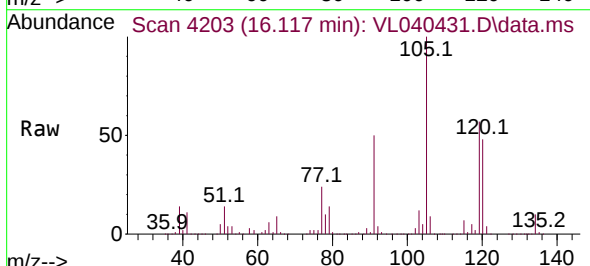
Ion Ratio Lower Upper

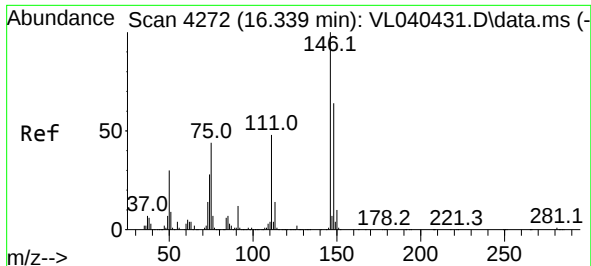
105 100

120 47.6 38.1 57.1

91 50.2 40.2 60.2

77 23.7 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.415 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. -0.019 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

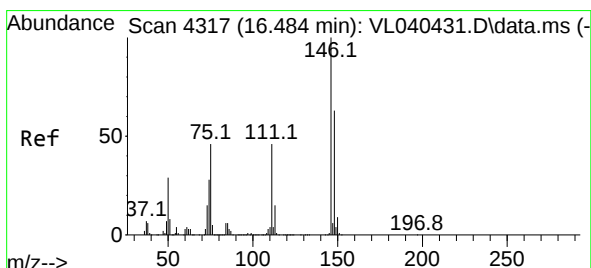
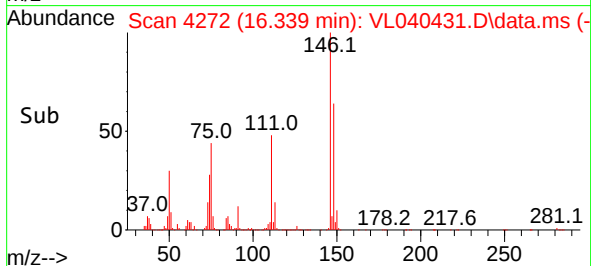
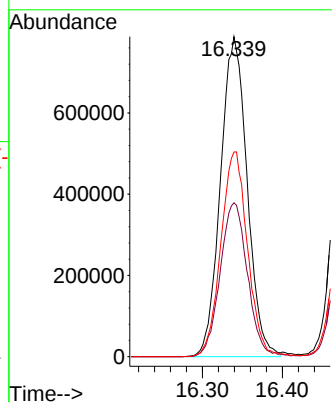
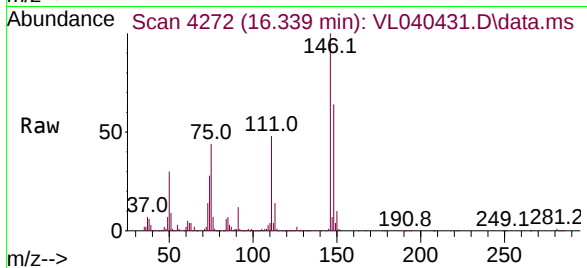
Tgt Ion:146 Resp: 1822389

Ion Ratio Lower Upper

146 100

111 49.2 24.6 74.0

148 64.2 32.1 96.3



#76

1,4-Dichlorobenzene

Concen: 9.607 ppbv

RT: 16.484 min Scan# 4317

Delta R.T. -0.016 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

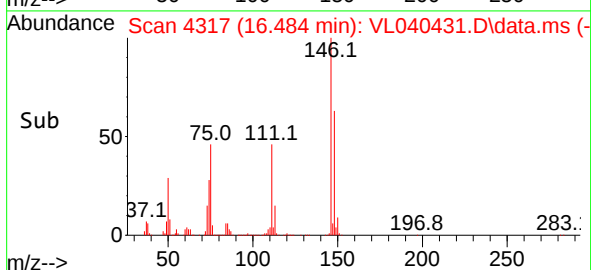
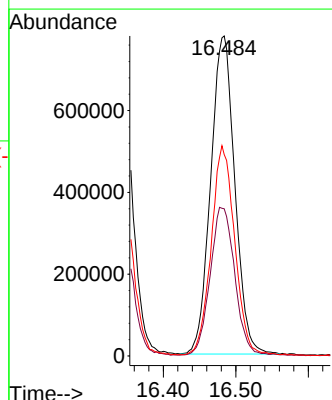
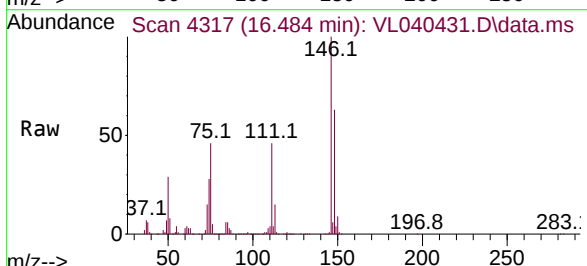
Tgt Ion:146 Resp: 1798505

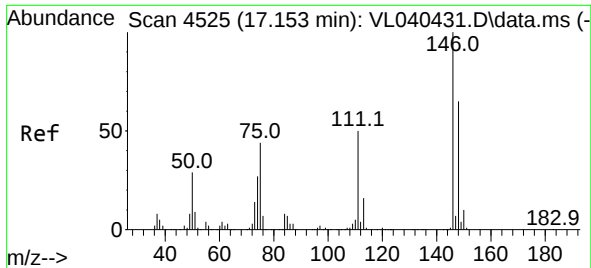
Ion Ratio Lower Upper

146 100

111 48.2 24.0 72.0

148 64.8 32.5 97.4

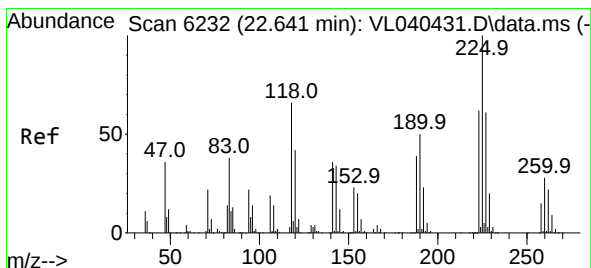
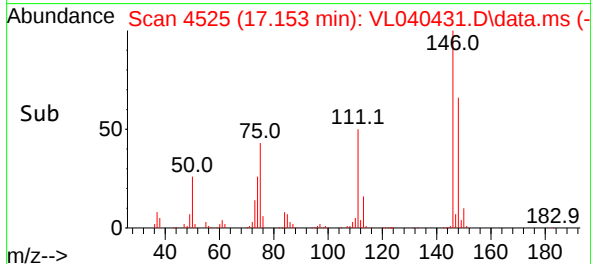
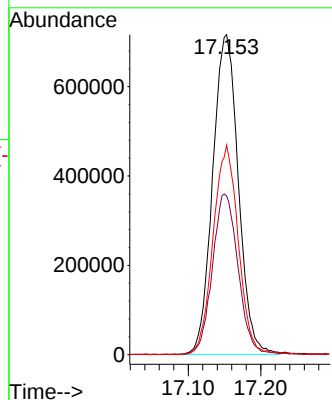
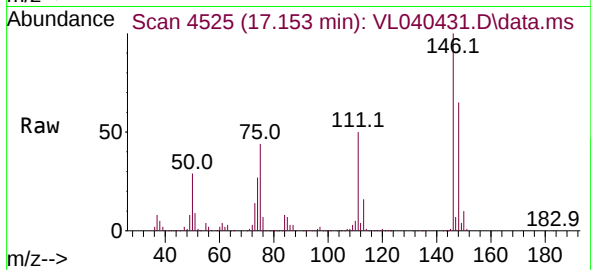




#77
1,2-Dichlorobenzene
Concen: 9.382 ppbv
RT: 17.153 min Scan# 4525
Delta R.T. -0.016 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

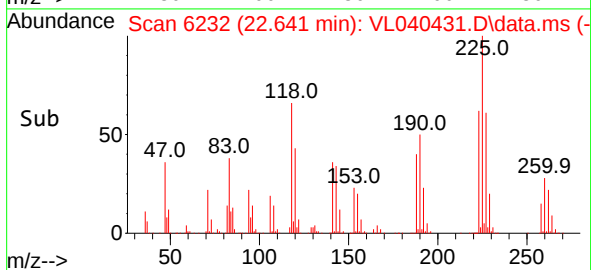
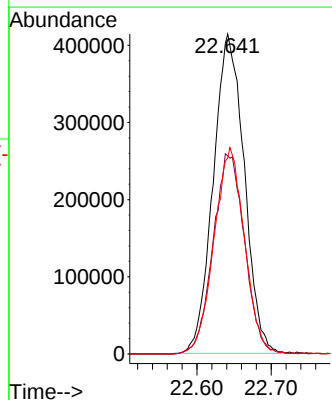
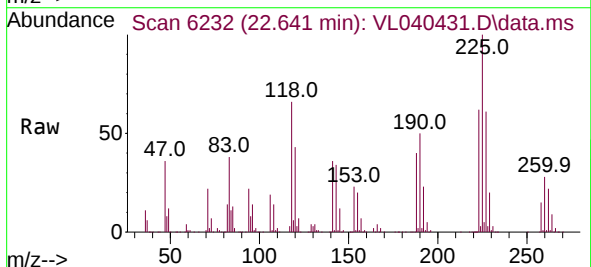
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

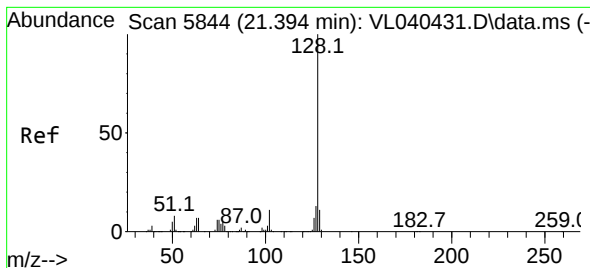
Tgt Ion:146 Resp: 1759485
Ion Ratio Lower Upper
146 100
111 50.4 25.2 75.6
148 64.3 32.1 96.5



#78
Hexachloro-1,3-Butadiene
Concen: 8.533 ppbv
RT: 22.641 min Scan# 6232
Delta R.T. -0.022 min
Lab File: VL040431.D
Acq: 16 May 2023 9:34

Tgt Ion:225 Resp: 1197286
Ion Ratio Lower Upper
225 100
223 63.9 51.2 76.8
227 63.8 51.0 76.6





#79

Naphthalene

Concen: 11.840 ppbv

RT: 21.394 min Scan# 5844

Delta R.T. -0.022 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

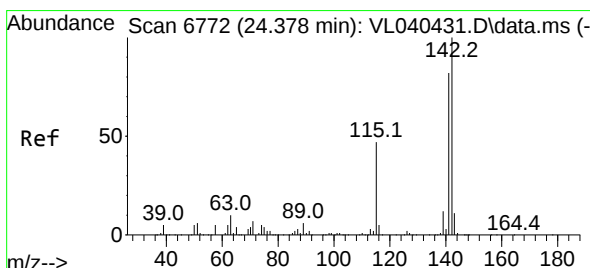
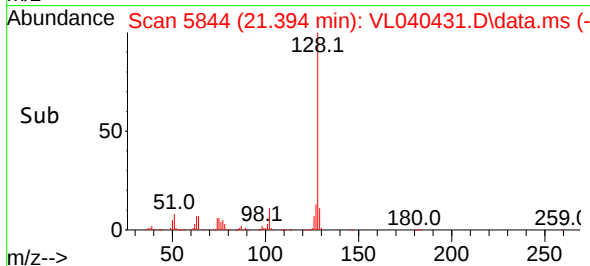
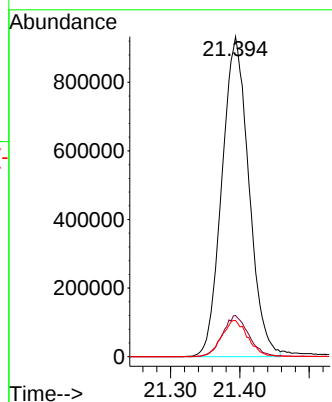
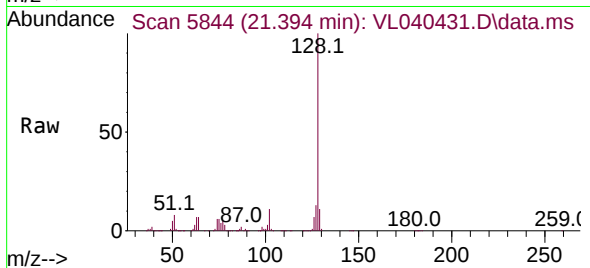
Tgt Ion:128 Resp: 2518415

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.3 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 12.759 ppbv

RT: 24.378 min Scan# 6772

Delta R.T. -0.019 min

Lab File: VL040431.D

Acq: 16 May 2023 9:34

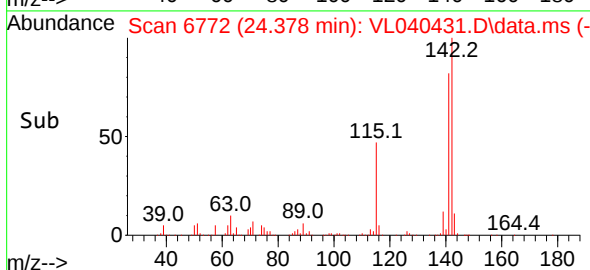
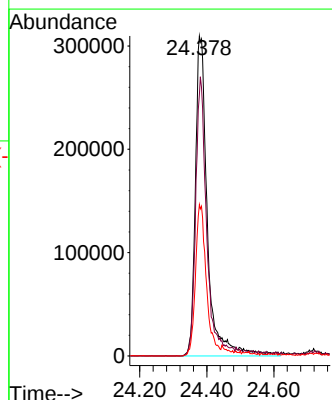
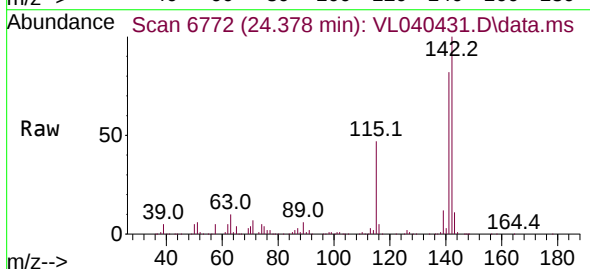
Tgt Ion:142 Resp: 777037

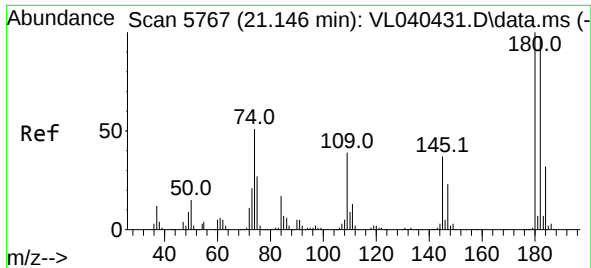
Ion Ratio Lower Upper

142 100

141 79.7 66.2 99.2

115 44.9 36.8 55.2





#81
 1,2,4-Trichlorobenzene
 Concen: 10.092 ppbv
 RT: 21.146 min Scan# 51
 Delta R.T. -0.022 min
 Lab File: VL040431.D
 Acq: 16 May 2023 9:34

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1328805

Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.0	115.6
184	31.1	24.7	37.1

