

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\Not Reviewed Data\
 Data File : VL040093.D
 Acq On : 16 Jan 2023 11:35
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Jan 17 05:52:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	1071823	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2964839	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2708821	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2240685	9.953	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	216549	1.152	ppbv	100
3) Chlorodifluoromethane	2.661	51	138438	1.077	ppbv	97
4) Chloromethane	2.803	50	82537	1.039	ppbv	94
5) Vinyl Chloride	2.912	62	62757	0.932	ppbv #	85
6) Bromomethane	3.111	94	23762	0.967	ppbv #	78
7) Chloroethane	3.185	64	25715	0.999	ppbv	98
8) Dichlorotetrafluoroethane	2.848	85	187024	1.066	ppbv	98
9) Propene	2.684	41	52600	0.985	ppbv	98
10) Heptane	7.577	43	128501	1.044	ppbv	100
11) Trichlorofluoromethane	3.555	101	200340	1.068	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.057	101	152123	1.079	ppbv	100
13) Ethanol	3.246	45	2118	0.431	ppbv #	38
14) Bromoethene	3.359	108	53944	1.031	ppbv	95
15) Acetone	3.468	43	117785	0.916	ppbv #	88
16) 1,3-Butadiene	2.973	39	64031	1.068	ppbv	95
17) tert-Butyl alcohol	3.883	59	124041	1.036	ppbv	97
18) 1,1-Dichloroethene	3.877	96	61691	1.007	ppbv	97
19) Isopropyl Alcohol	3.584	45	60103	0.956	ppbv #	91
20) Methylene Chloride	3.925	84	61708	1.088	ppbv	93
21) Allyl Chloride	3.989	41	86396	1.047	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	64472	1.030	ppbv	96
23) Vinyl Acetate	4.626	43	38005	0.912	ppbv #	95
24) 1,1-Dichloroethane	4.558	63	135180	1.071	ppbv #	96
25) Ethyl Acetate	5.208	43	230561	1.018	ppbv	98
26) Hexane	5.211	57	102390	1.033	ppbv	97
27) Carbon Disulfide	4.118	76	58312	0.454	ppbv #	46
28) Methyl tert-Butyl Ether	4.590	73	118871	1.066	ppbv	98
29) Chloroform	5.272	83	158233	0.999	ppbv	98
30) Cyclohexane	6.603	84	81999	1.041	ppbv	90
31) cis-1,2-Dichloroethene	5.076	61	92345	0.962	ppbv	89
32) 1,1,1-Trichloroethane	5.999	97	175863	1.092	ppbv	98
34) 2-Butanone	4.793	43	131125	0.935	ppbv	99
35) Carbon Tetrachloride	6.494	117	170857	1.019	ppbv	97
36) Benzene	6.369	78	216615	0.987	ppbv	96
37) 1,2-Dichloroethane	5.806	62	140328	0.995	ppbv	99
38) Trichloroethene	7.291	130	122822	0.986	ppbv	89
39) 1,2-Dichloropropane	7.079	63	37325	0.435	ppbv	96
40) 1,4-Dioxane	7.314	88	13915	0.409	ppbv #	1
41) Tetrahydrofuran	5.578	42	73136	0.904	ppbv	95
42) Bromodichloromethane	7.253	83	179792	0.944	ppbv	95
43) Methyl Methacrylate	7.481	69	76775	0.954	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	368596	1.010	ppbv	98
45) t-1,3-Dichloropropene	8.735	75	9463	0.132	ppbv	99

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 ClientSampleId :
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 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

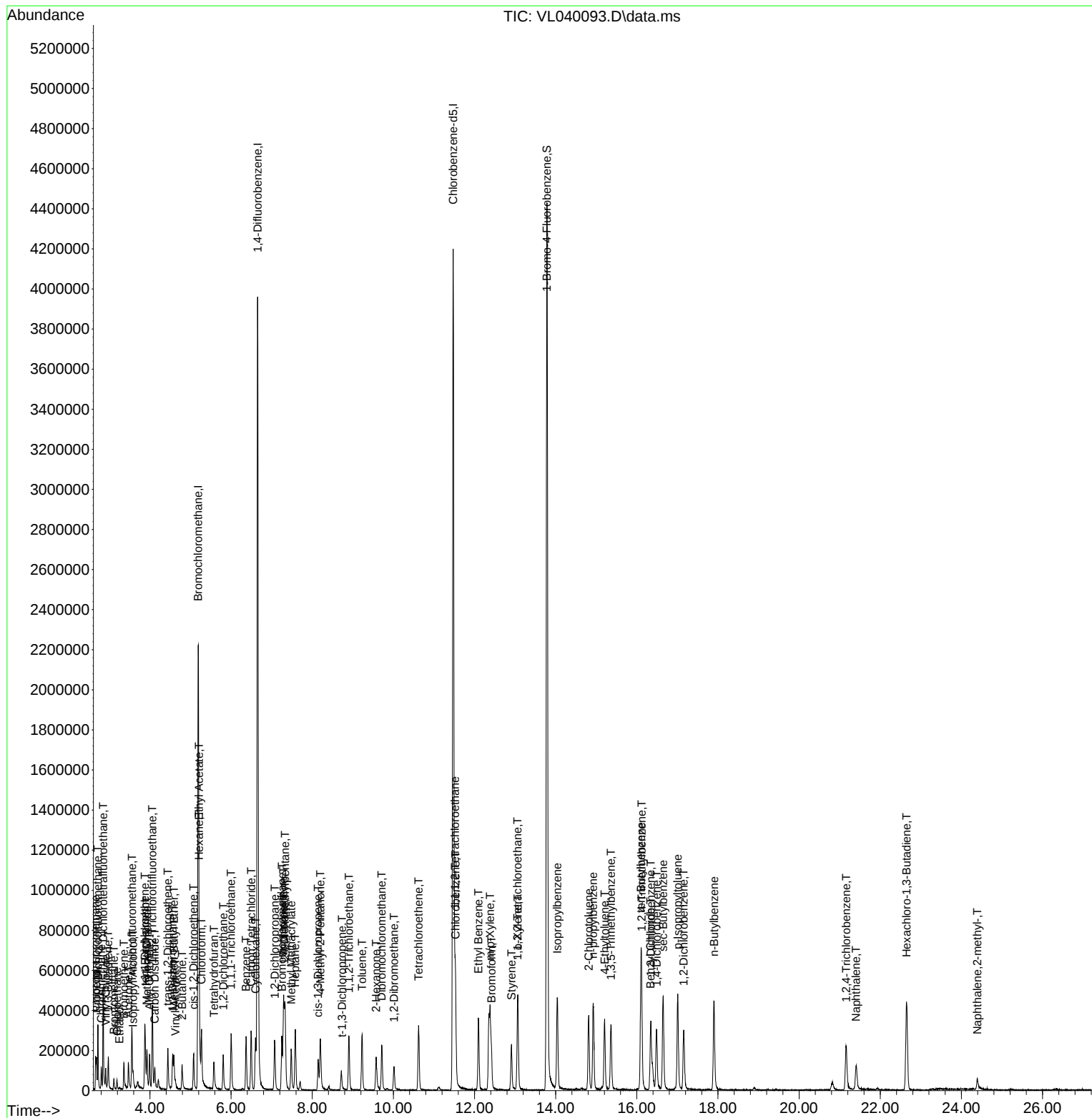
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	81643	0.832	ppbv	94
47) 1,1,2-Trichloroethane	8.905	97	85852	0.950	ppbv	97
48) Dibromochloromethane	9.712	129	67549	0.465	ppbv #	17
49) Bromoform	12.420	173	95133	0.850	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	212360	0.963	ppbv	99
51) 2-Hexanone	9.574	43	147841	0.885	ppbv #	98
52) Tetrachloroethene	10.622	164	71600	0.998	ppbv	90
53) Toluene	9.227	91	224929	0.961	ppbv	97
54) 1,2-Dibromoethane	10.015	107	93423	0.988	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.516	131	105336	0.999	ppbv #	1
57) Chlorobenzene	11.535	112	185412	1.004	ppbv #	90
58) Ethyl Benzene	12.095	91	298292	0.987	ppbv	99
59) m/p-Xylene	12.384	91	257618	0.948	ppbv #	26
60) o-Xylene	13.066	91	254350	0.986	ppbv	99
61) Styrene	12.912	104	118425	0.881	ppbv	97
62) Isopropylbenzene	14.040	105	379108	1.022	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	96671	1.032	ppbv	97
64) n-propylbenzene	14.924	120	46129	0.500	ppbv #	1
65) tert-Butylbenzene	16.101	119	307665	0.968	ppbv	92
66) Benzyl Chloride	16.336	91	6012	0.277	ppbv #	65
67) sec-Butylbenzene	16.651	105	457191	1.015	ppbv	98
69) p-Isopropyltoluene	17.008	119	351596	0.993	ppbv	98
70) n-Butylbenzene	17.905	91	376823	0.987	ppbv	99
71) 2-Chlorotoluene	14.815	91	288301	1.010	ppbv	97
72) 4-Ethyltoluene	15.207	105	276406	0.966	ppbv	97
73) 1,3,5-Trimethylbenzene	15.362	105	254377	0.987	ppbv	88
74) 1,2,4-Trimethylbenzene	16.121	105	284092	0.995	ppbv	100
75) 1,3-Dichlorobenzene	16.346	146	148547	0.937	ppbv	94
76) 1,4-Dichlorobenzene	16.490	146	150071	0.962	ppbv	97
77) 1,2-Dichlorobenzene	17.156	146	141996	0.936	ppbv	94
78) Hexachloro-1,3-Butadiene	22.648	225	82265	0.741	ppbv #	41
79) Naphthalene	21.403	128	74575	0.456	ppbv	96
80) Naphthalene,2-methyl-	24.394	142	39137	0.710	ppbv #	87
81) 1,2,4-Trichlorobenzene	21.159	180	50386	0.500	ppbv #	25

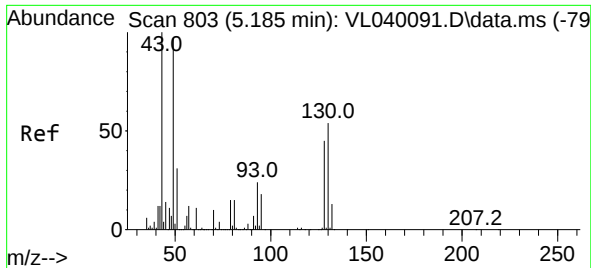
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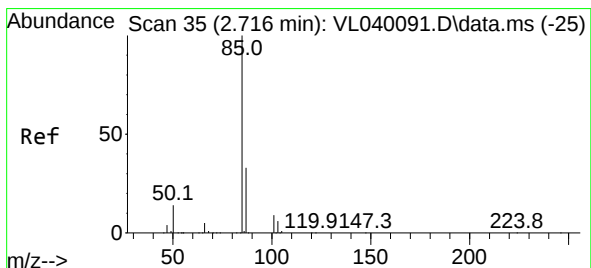
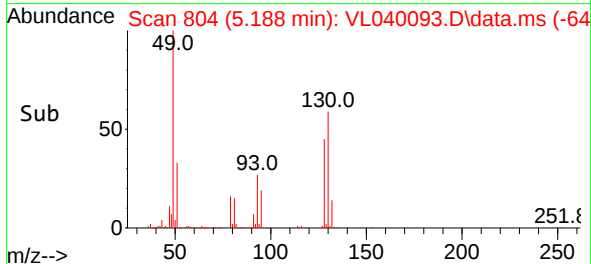
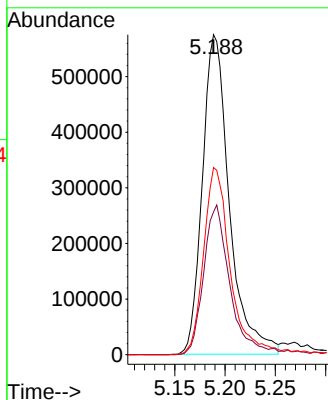
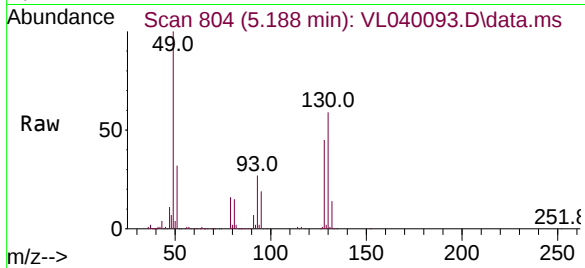




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

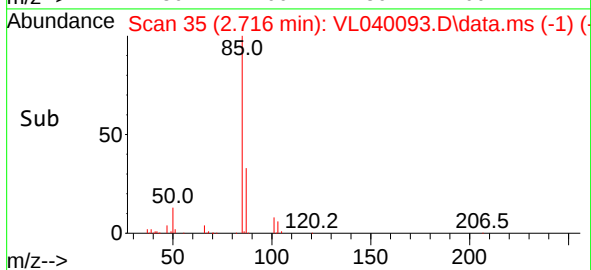
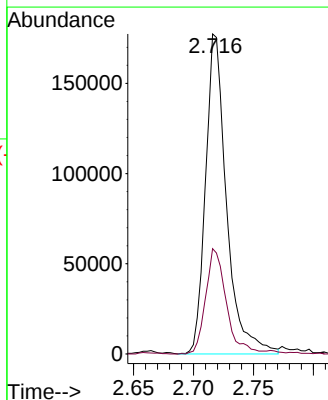
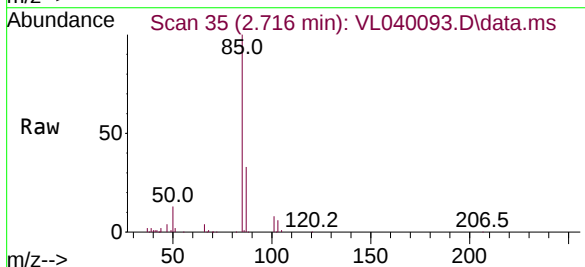
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MSVOA_L
ClientSampleId :
VSTDIC001

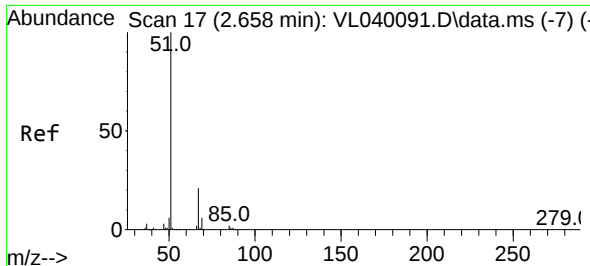
Tgt Ion: 49 Resp: 1071823
Ion Ratio Lower Upper
49 100
128 47.5 23.6 71.0
130 59.8 29.8 89.3



#2
Dichlorodifluoromethane
Concen: 1.152 ppbv
RT: 2.716 min Scan# 35
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 85 Resp: 216549
Ion Ratio Lower Upper
85 100
87 32.9 26.5 39.7

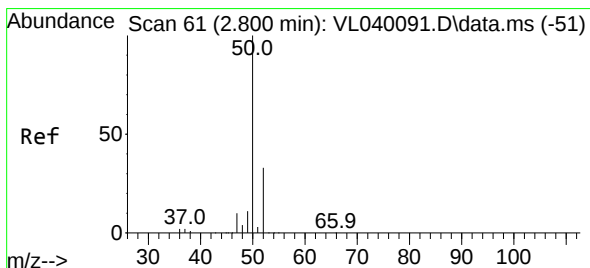
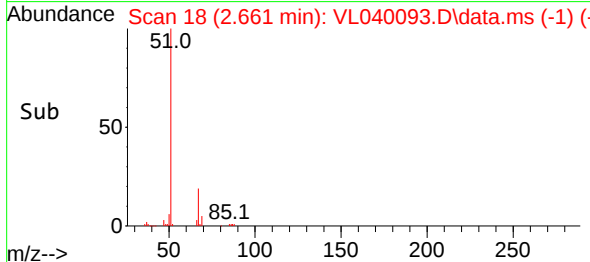
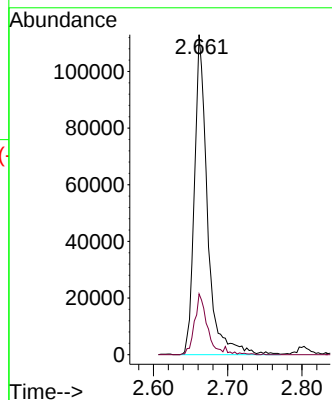
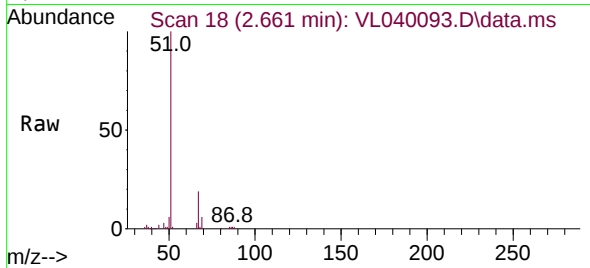




#3
Chlorodifluoromethane
Concen: 1.077 ppbv
RT: 2.661 min Scan# 18
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

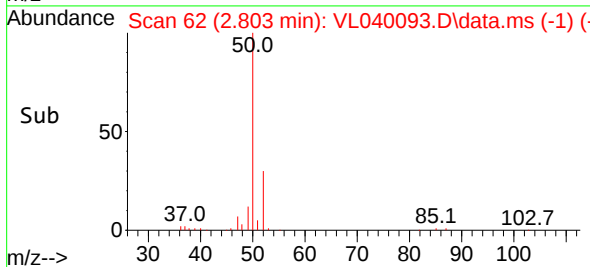
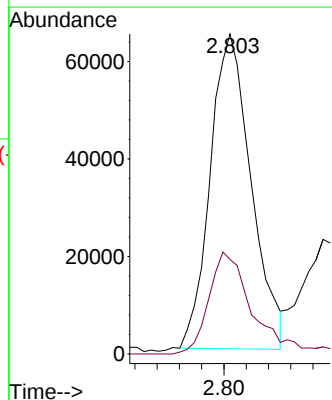
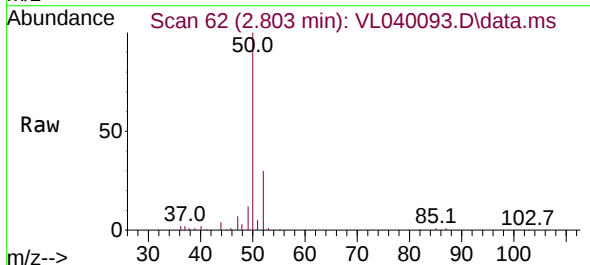
Instrument :
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ClientSampleId :
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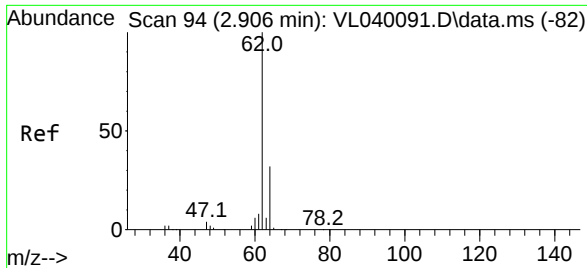
Tgt Ion: 51 Resp: 138438
Ion Ratio Lower Upper
51 100
67 19.3 16.4 24.6



#4
Chloromethane
Concen: 1.039 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 50 Resp: 82537
Ion Ratio Lower Upper
50 100
52 29.4 26.5 39.7

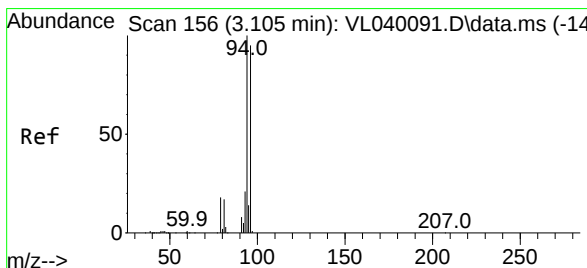
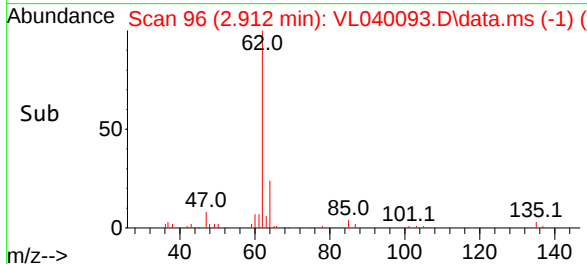
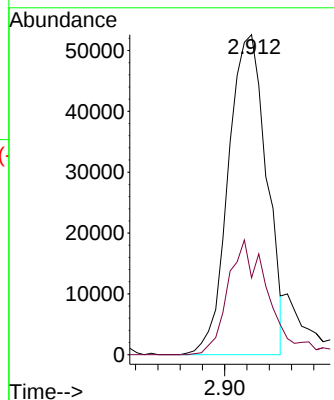
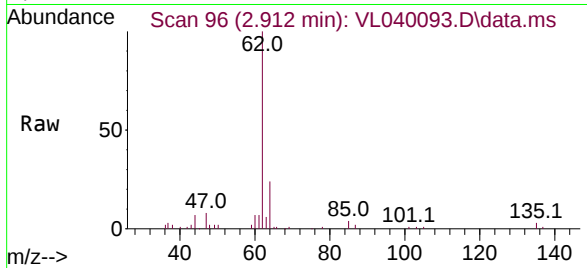




#5
 Vinyl Chloride
 Concen: 0.932 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

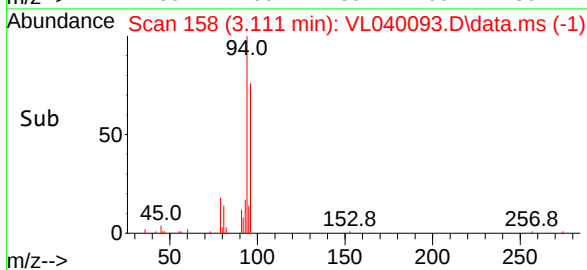
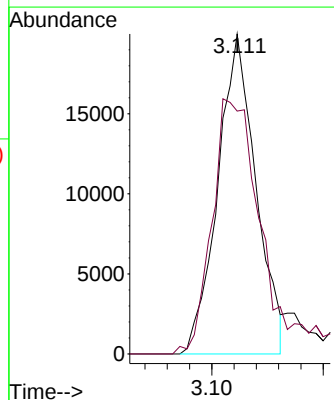
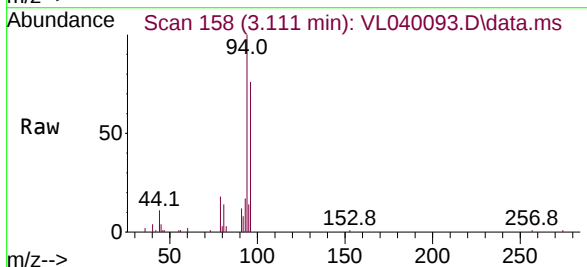
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 62 Resp: 62757
 Ion Ratio Lower Upper
 62 100
 64 24.0 25.8 38.6#



#6
 Bromomethane
 Concen: 0.967 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. 0.006 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

Tgt Ion: 94 Resp: 23762
 Ion Ratio Lower Upper
 94 100
 96 73.5 76.2 114.2#

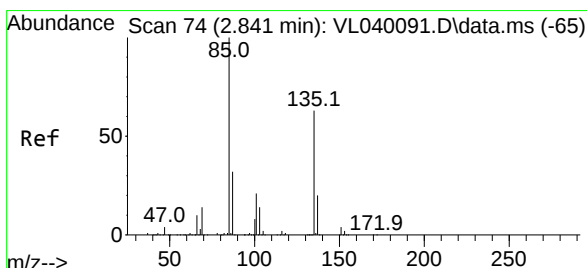
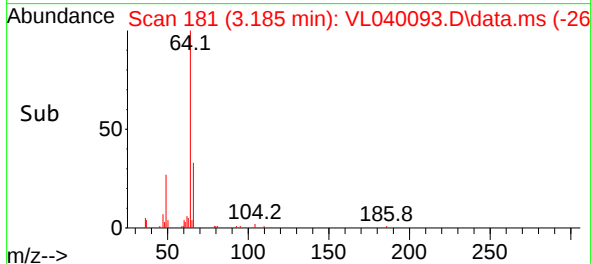
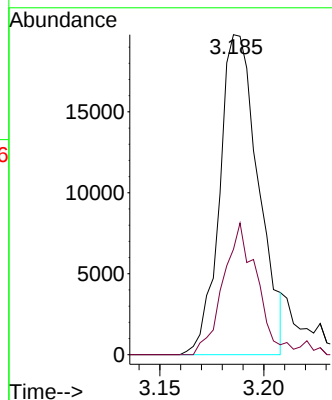
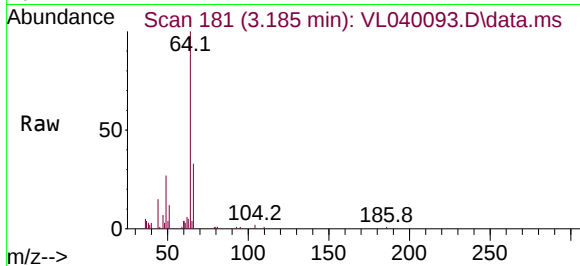




#7
Chloroethane
Concen: 0.999 ppbv
RT: 3.185 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

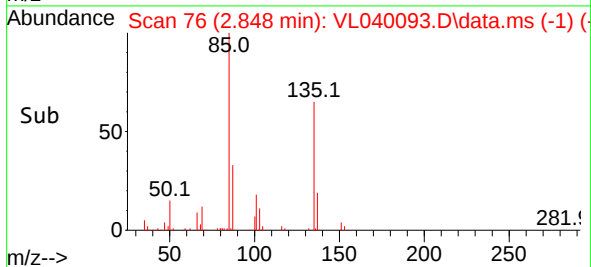
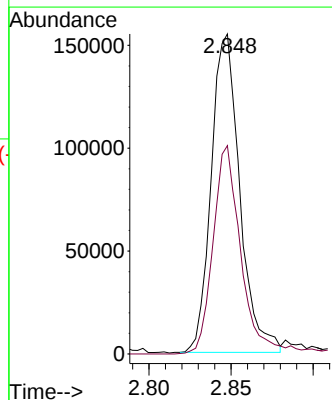
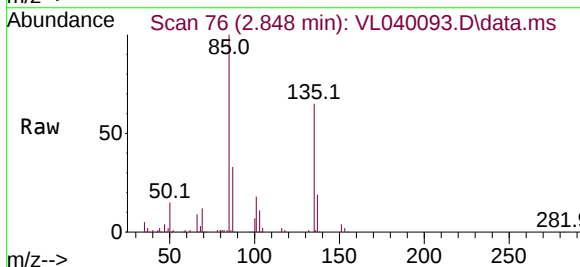
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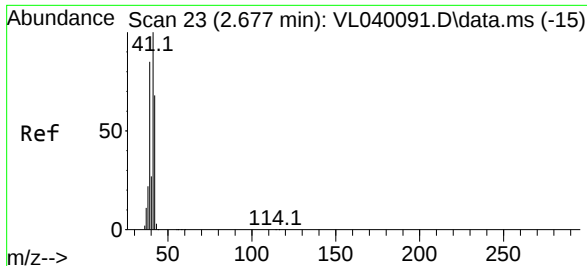
Tgt Ion: 64 Resp: 25715
Ion Ratio Lower Upper
64 100
66 32.9 25.6 38.4



#8
Dichlorotetrafluoroethane
Concen: 1.066 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 85 Resp: 187024
Ion Ratio Lower Upper
85 100
135 65.8 51.4 77.2

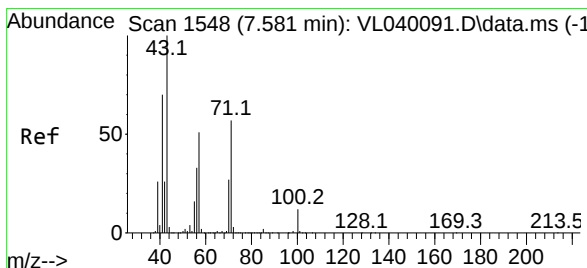
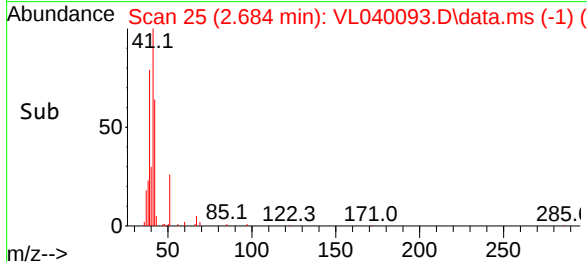
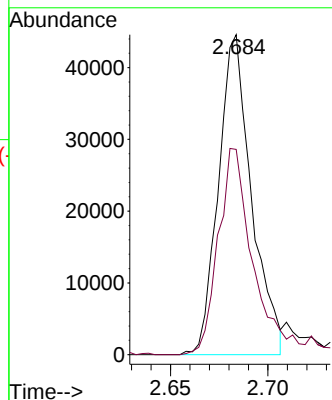
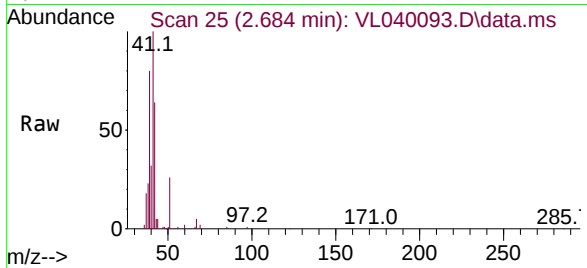




#9
Propene
Concen: 0.985 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

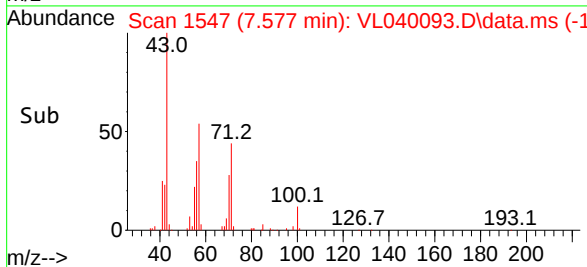
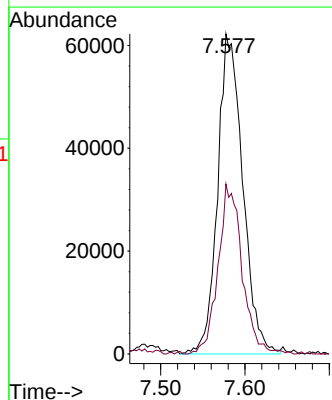
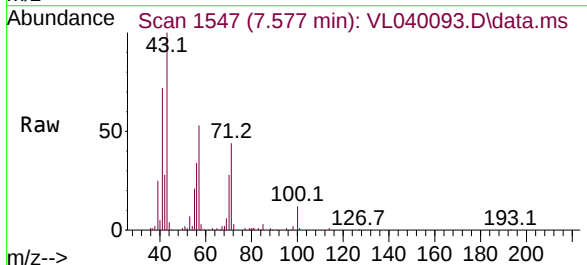
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

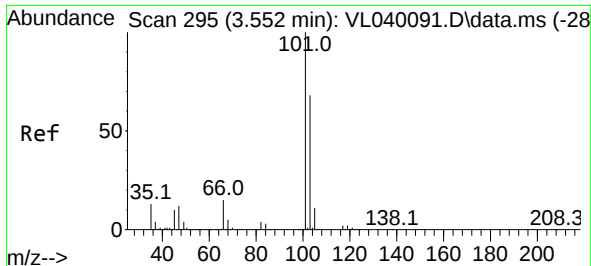
Tgt Ion: 41 Resp: 52600
Ion Ratio Lower Upper
41 100
42 71.2 55.6 83.4



#10
Heptane
Concen: 1.044 ppbv
RT: 7.577 min Scan# 1547
Delta R.T. -0.003 min
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Tgt Ion: 43 Resp: 128501
Ion Ratio Lower Upper
43 100
57 50.9 40.9 61.3

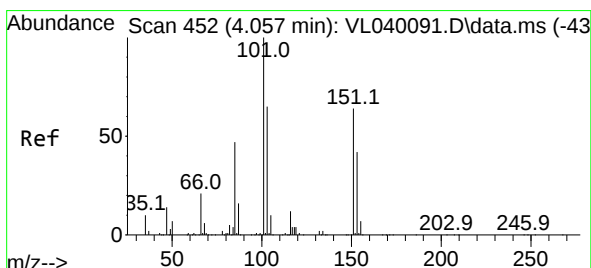
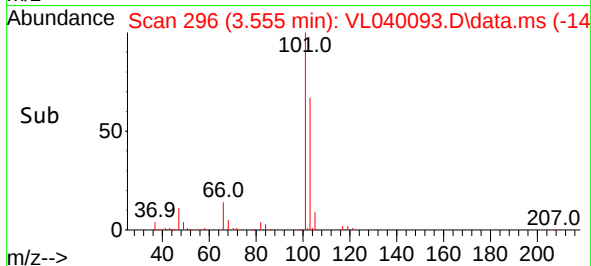
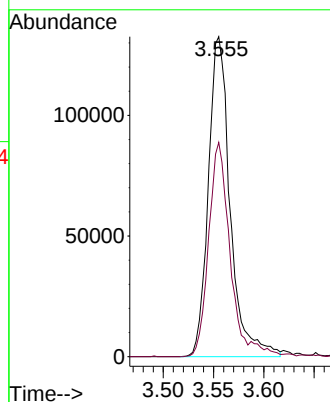
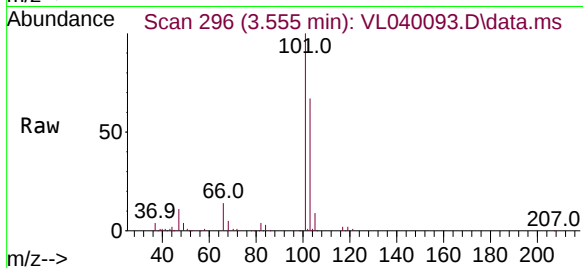




#11
 Trichlorofluoromethane
 Concen: 1.068 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

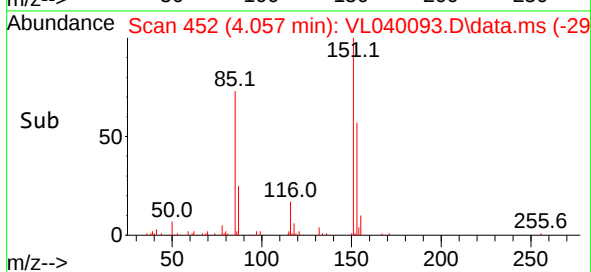
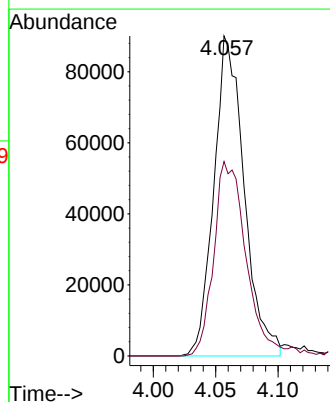
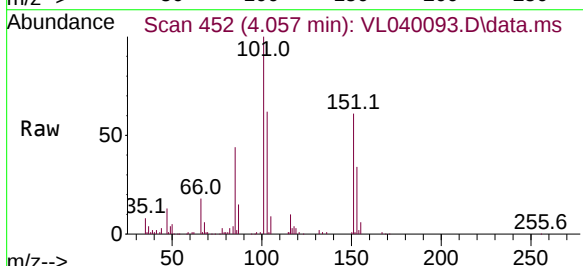
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

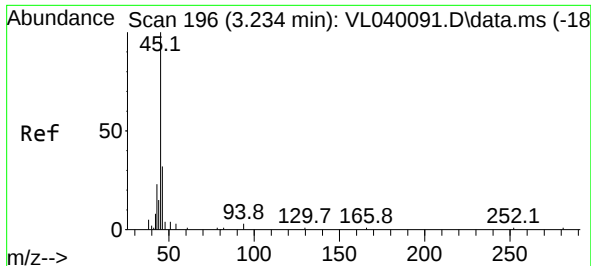
Tgt Ion:101 Resp: 200340
 Ion Ratio Lower Upper
 101 100
 103 67.0 54.0 81.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.079 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. -0.000 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

Tgt Ion:101 Resp: 152123
 Ion Ratio Lower Upper
 101 100
 151 66.3 53.2 79.8

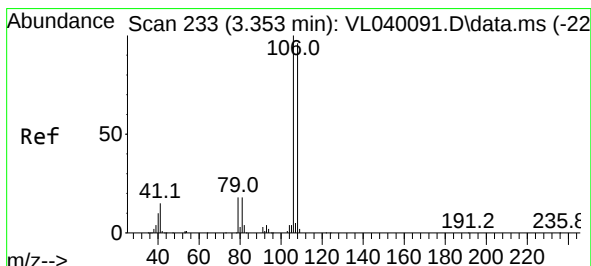
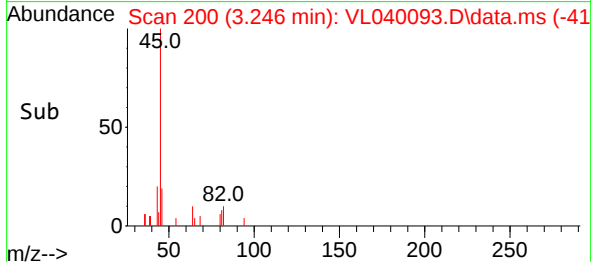
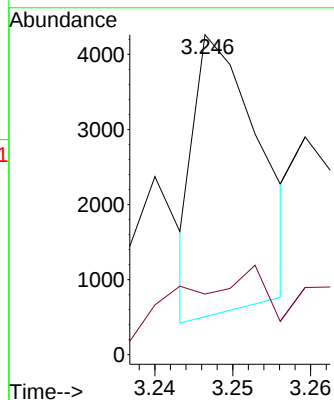
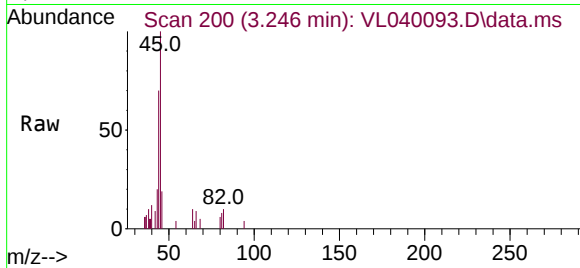




#13
Ethanol
Concen: 0.431 ppbv
RT: 3.246 min Scan# 200
Delta R.T. 0.013 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

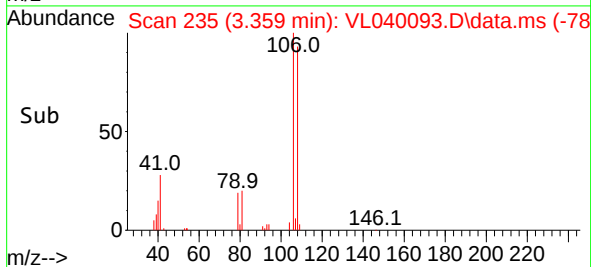
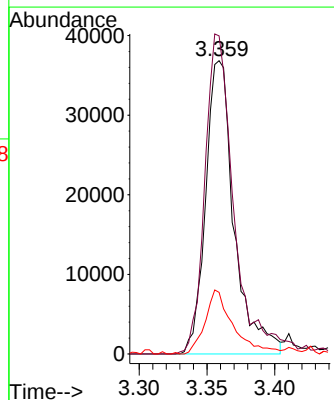
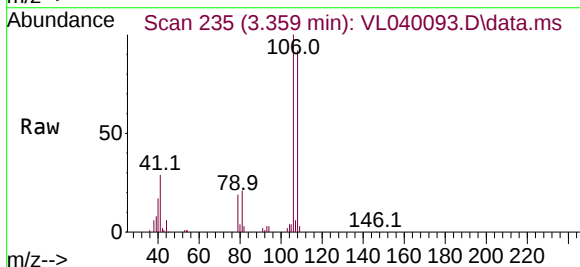
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

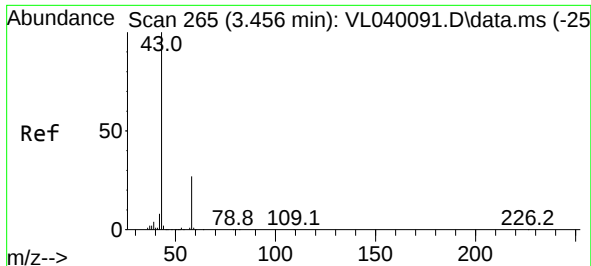
Tgt Ion: 45 Resp: 2118
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.2#



#14
Bromoethene
Concen: 1.031 ppbv
RT: 3.359 min Scan# 235
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion:108 Resp: 53944
Ion Ratio Lower Upper
108 100
106 113.5 87.0 130.6
79 23.1 16.1 24.1

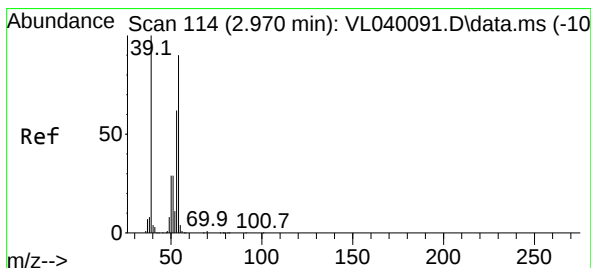
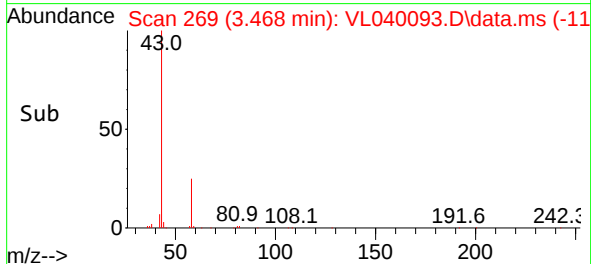
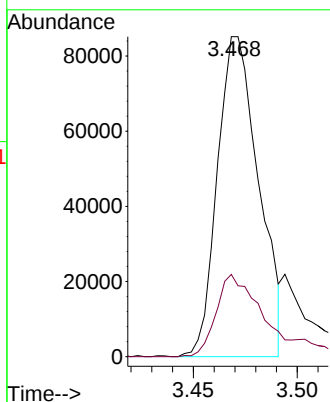
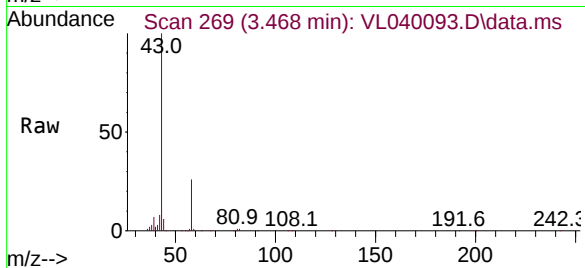




#15
Acetone
Concen: 0.916 ppbv
RT: 3.468 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

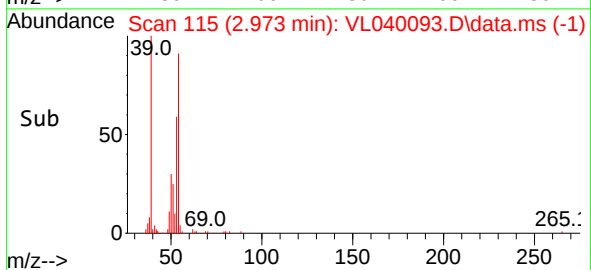
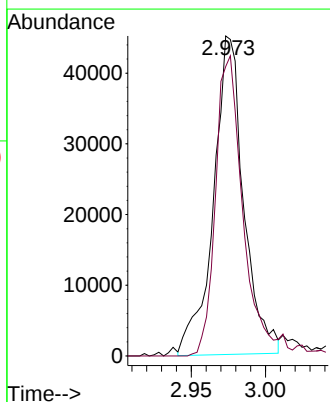
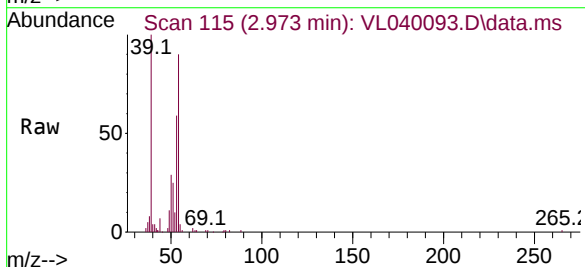
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

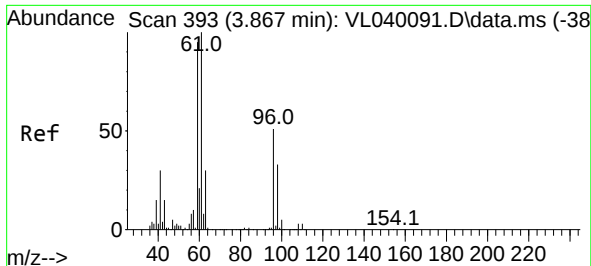
Tgt Ion: 43 Resp: 117785
Ion Ratio Lower Upper
43 100
58 33.6 21.8 32.8#



#16
1,3-Butadiene
Concen: 1.068 ppbv
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 39 Resp: 64031
Ion Ratio Lower Upper
39 100
54 89.0 67.9 101.9

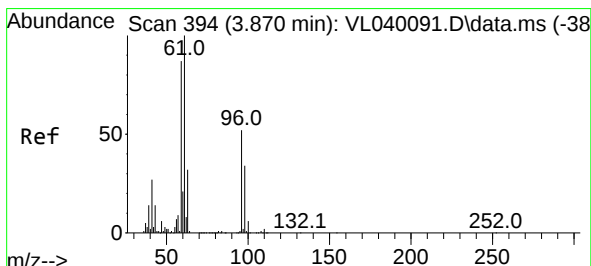
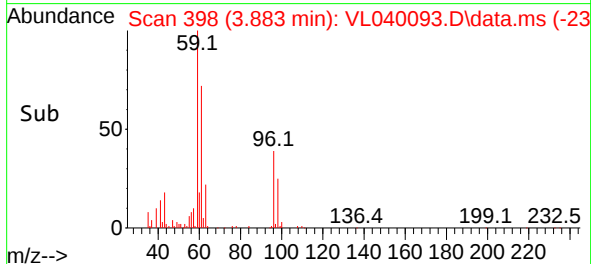
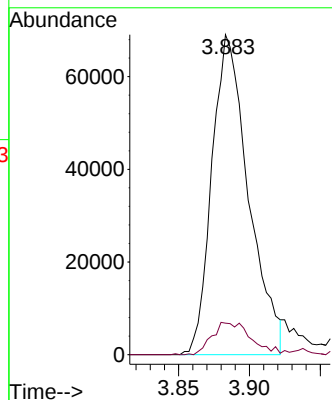
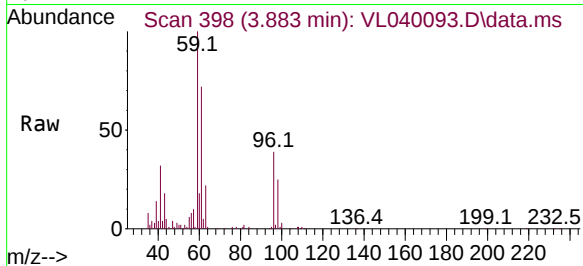




#17
tert-Butyl alcohol
Concen: 1.036 ppbv
RT: 3.883 min Scan# 394
Delta R.T. 0.016 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

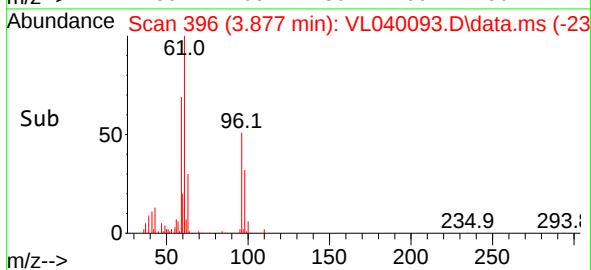
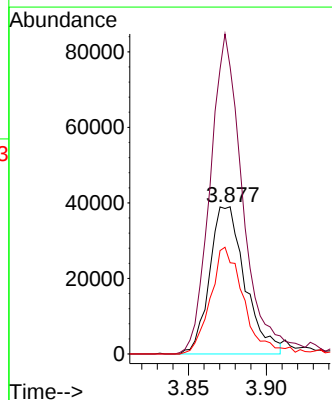
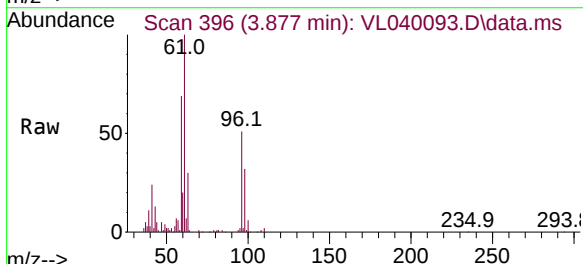
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

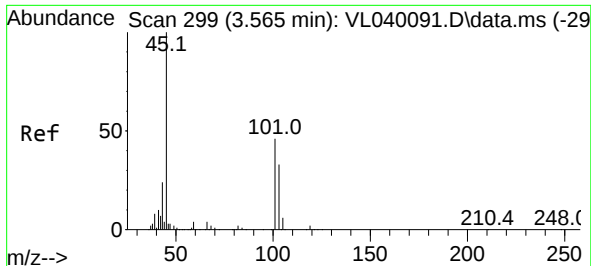
Tgt Ion: 59 Resp: 124041
Ion Ratio Lower Upper
59 100
57 11.9 8.5 12.7



#18
1,1-Dichloroethene
Concen: 1.007 ppbv
RT: 3.877 min Scan# 396
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 96 Resp: 61691
Ion Ratio Lower Upper
96 100
61 194.0 153.0 229.4
98 62.0 52.7 79.1





#19

Isopropyl Alcohol

Concen: 0.956 ppbv

RT: 3.584 min Scan# 305

Delta R.T. 0.019 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

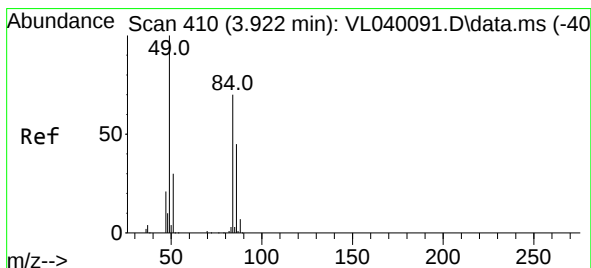
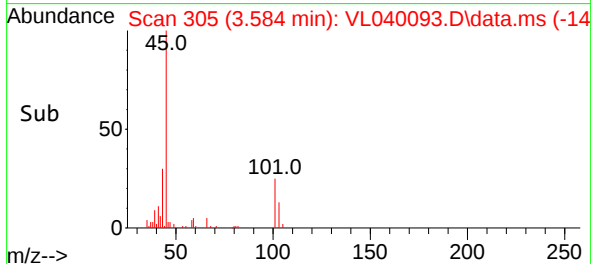
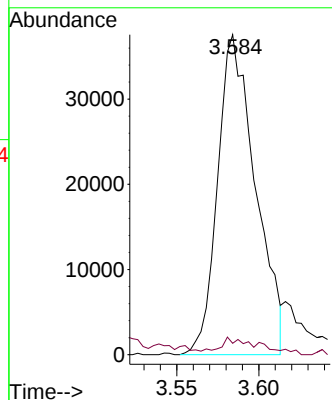
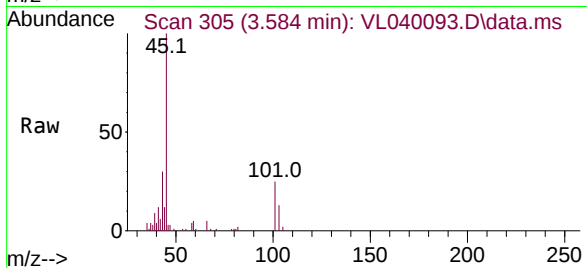
VSTDIC001

Tgt Ion: 45 Resp: 60103

Ion Ratio Lower Upper

45 100

58 6.2 2.6 4.0#



#20

Methylene Chloride

Concen: 1.088 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.003 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Tgt Ion: 84 Resp: 61708

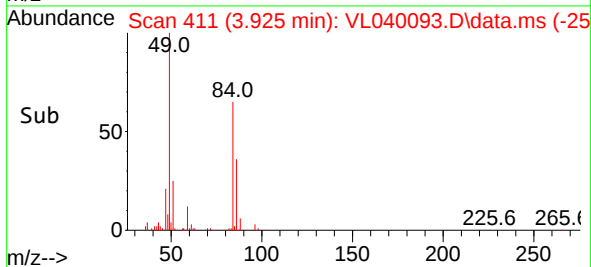
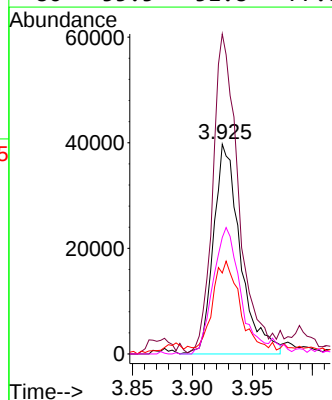
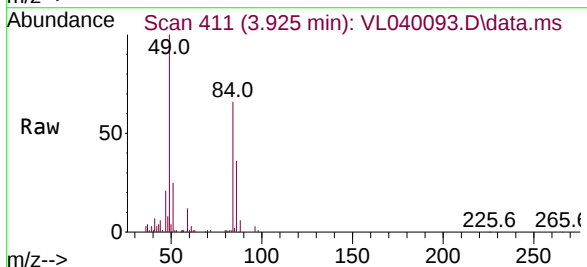
Ion Ratio Lower Upper

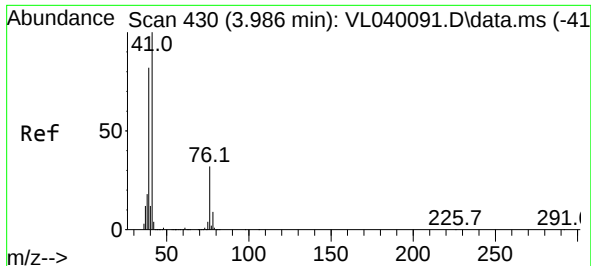
84 100

49 147.5 114.6 171.8

51 35.8 34.3 51.5

86 55.5 51.8 77.8





#21

Allyl Chloride

Concen: 1.047 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

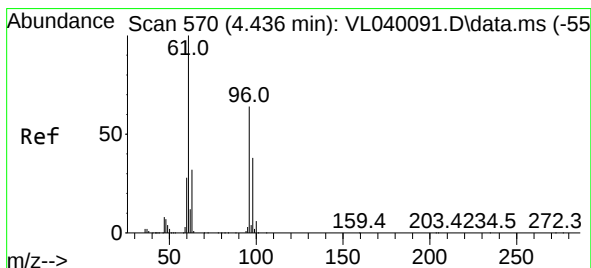
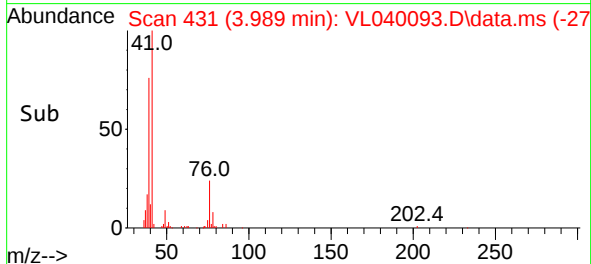
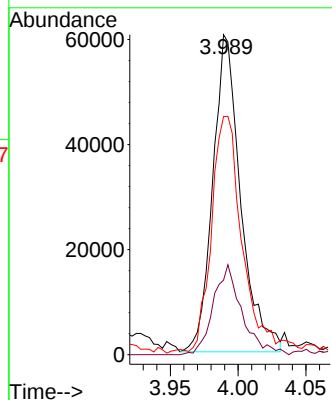
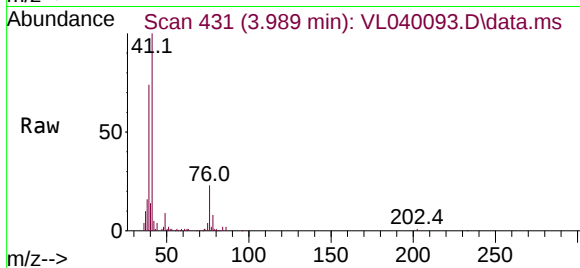
Tgt Ion: 41 Resp: 86396

Ion Ratio Lower Upper

41 100

76 28.9 25.9 38.9

39 83.9 66.8 100.2



#22

trans-1,2-Dichloroethene

Concen: 1.030 ppbv

RT: 4.439 min Scan# 571

Delta R.T. 0.003 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

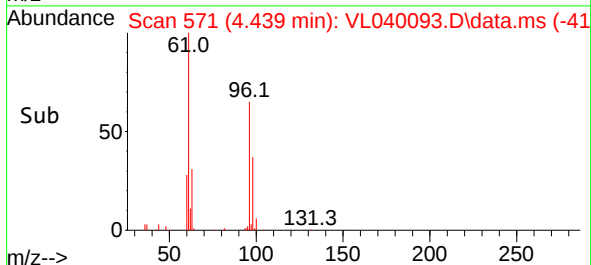
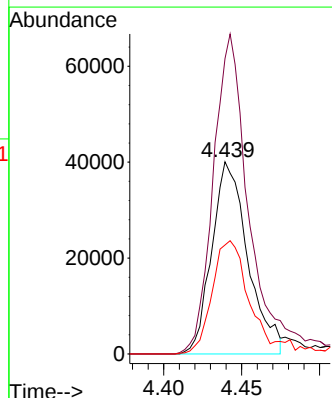
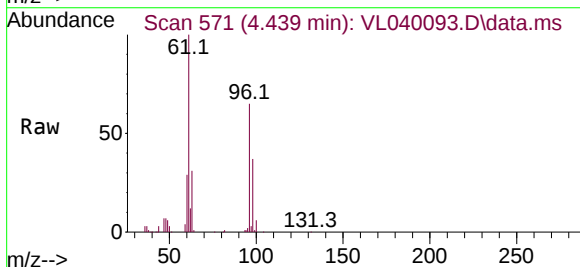
Tgt Ion: 96 Resp: 64472

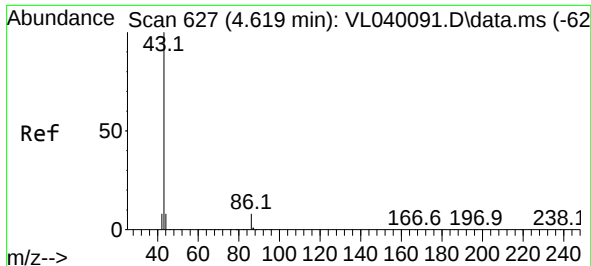
Ion Ratio Lower Upper

96 100

61 152.9 125.8 188.8

98 56.3 47.4 71.2

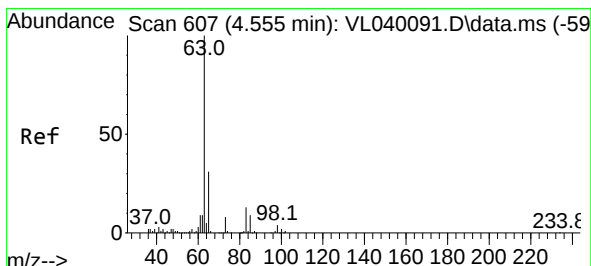
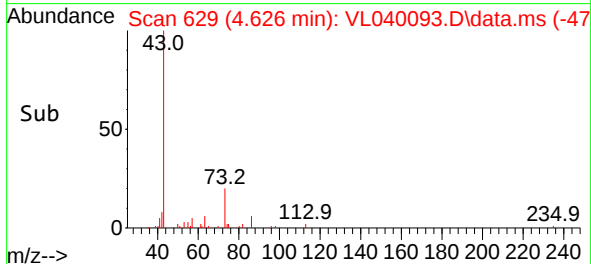
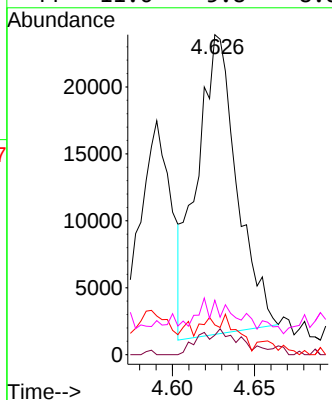
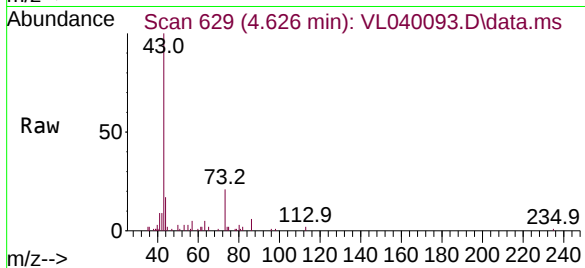




#23
 Vinyl Acetate
 Concen: 0.912 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. 0.006 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

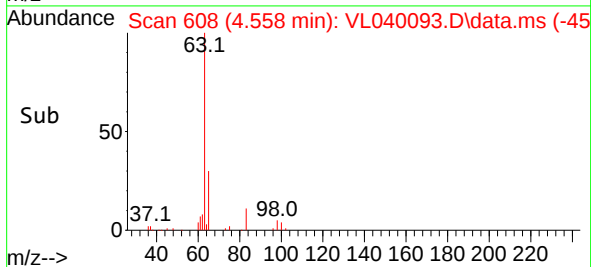
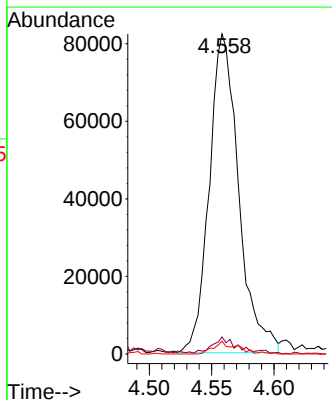
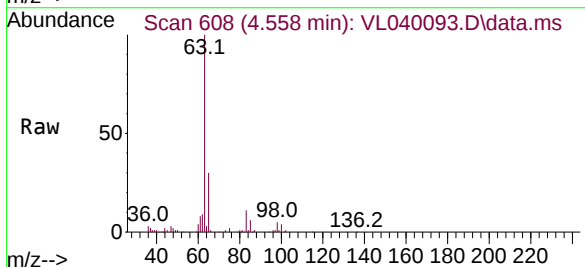
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

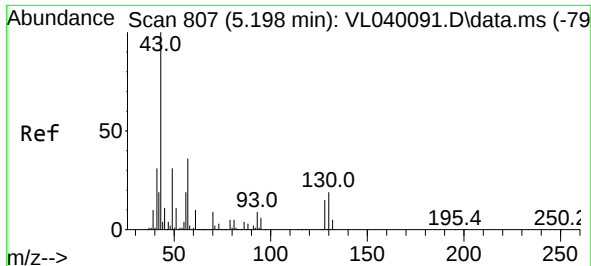
Tgt Ion:	43	Resp:	38005
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.6	8.4
42	8.7	7.7	11.5
44	11.6	5.8	8.8



#24
 1,1-Dichloroethane
 Concen: 1.071 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.003 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

Tgt Ion:	63	Resp:	135180
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.0	5.8
100	4.0	1.1	3.5



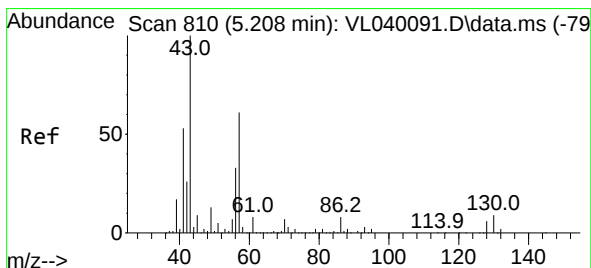
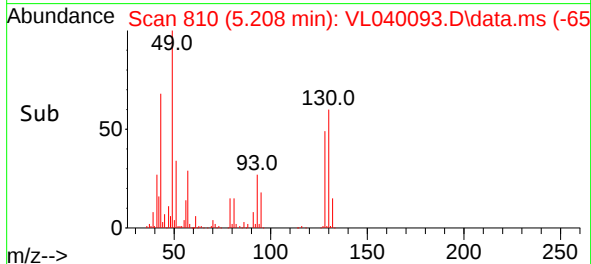
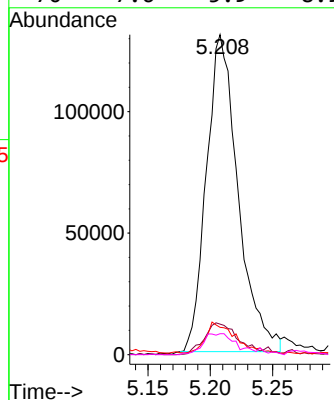
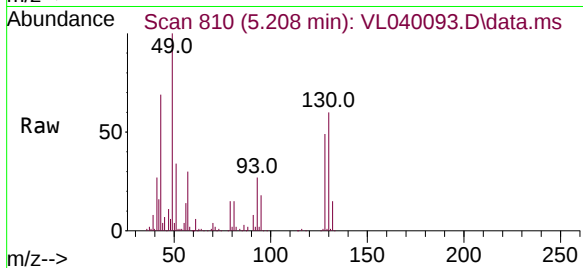


#25
Ethyl Acetate
Concen: 1.018 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 230561

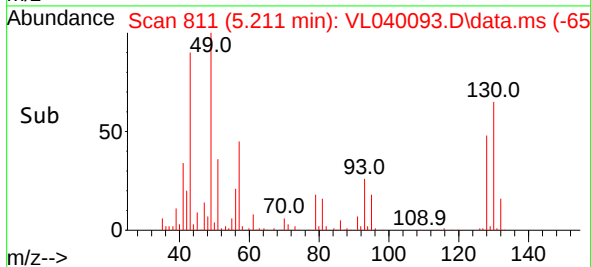
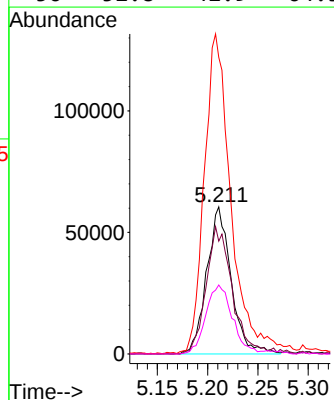
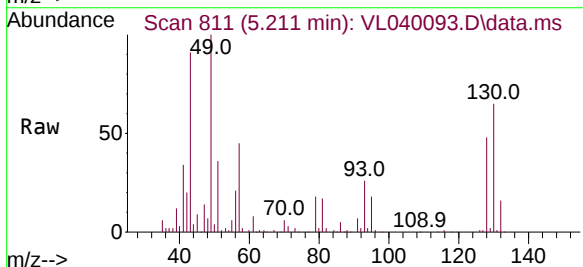
Ion	Ratio	Lower	Upper
43	100		
45	12.1	8.5	12.7
61	10.4	8.4	12.6
70	7.6	5.9	8.9

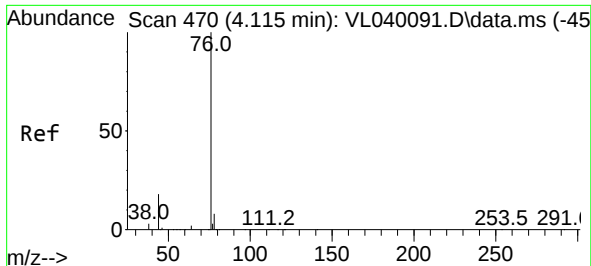


#26
Hexane
Concen: 1.033 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 57 Resp: 102390

Ion	Ratio	Lower	Upper
57	100		
41	94.4	72.2	108.4
43	245.4	192.1	288.1
56	52.8	42.9	64.3

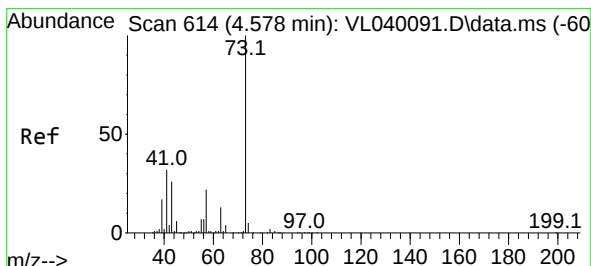
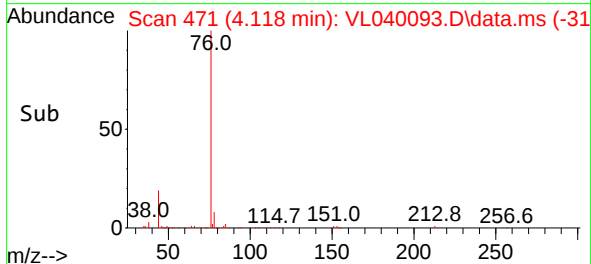
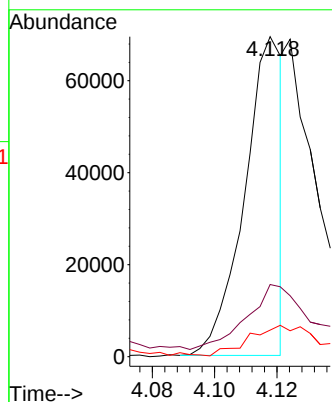
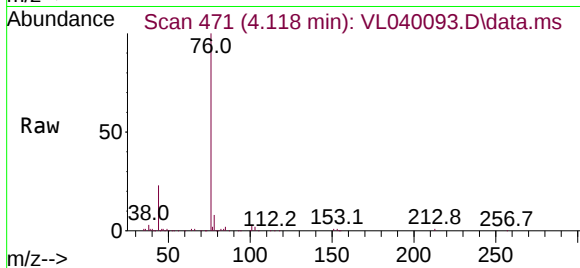




#27
Carbon Disulfide
Concen: 0.454 ppbv
RT: 4.118 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

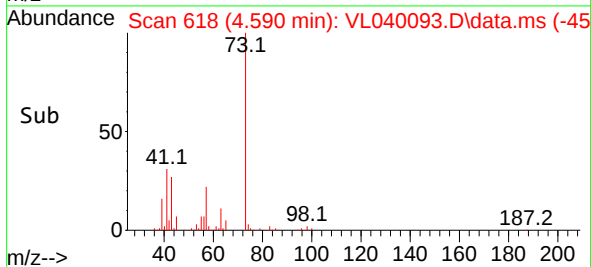
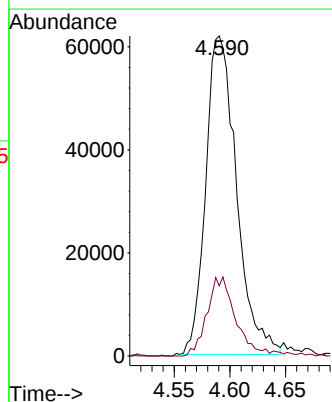
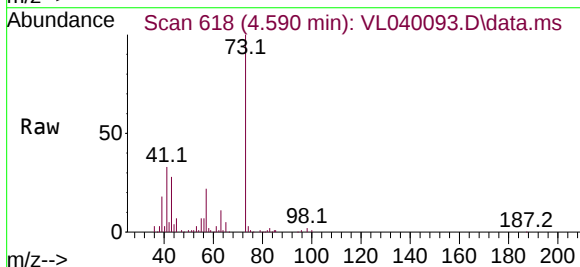
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

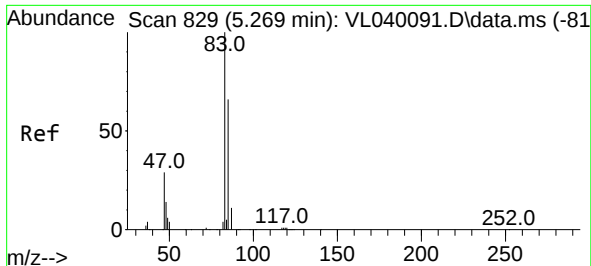
Tgt Ion: 76 Resp: 58312
Ion Ratio Lower Upper
76 100
44 49.3 14.9 22.3#
78 0.0 8.2 12.2#



#28
Methyl tert-Butyl Ether
Concen: 1.066 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.013 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 73 Resp: 118871
Ion Ratio Lower Upper
73 100
57 23.8 18.3 27.5

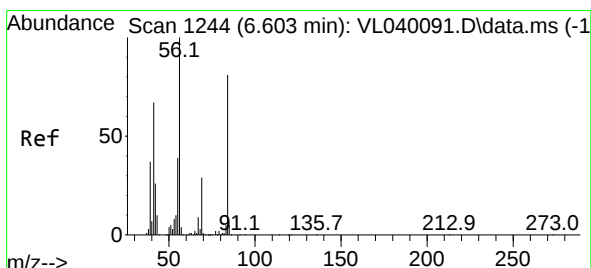
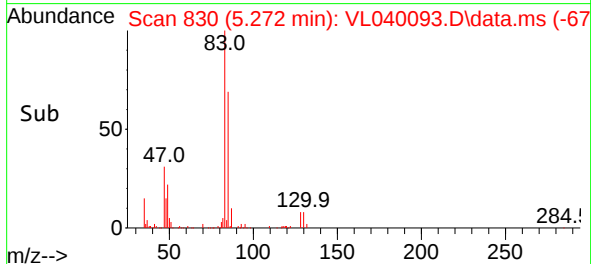
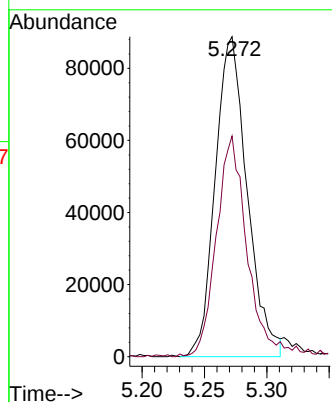
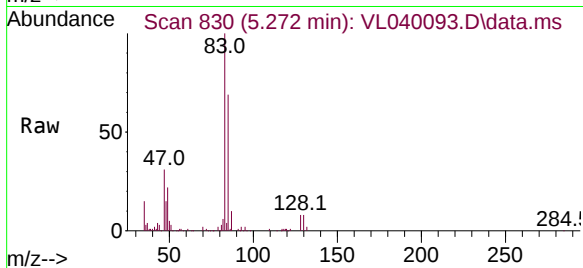




#29
Chloroform
Concen: 0.999 ppbv
RT: 5.272 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

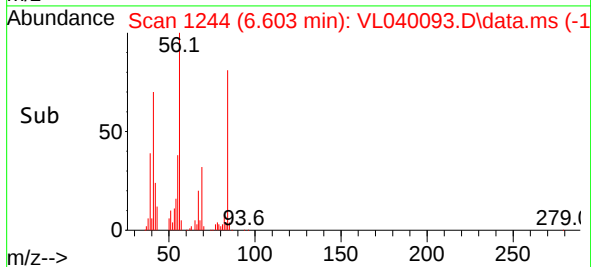
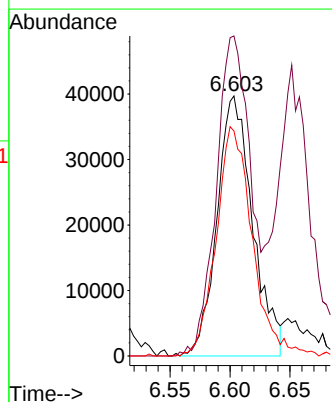
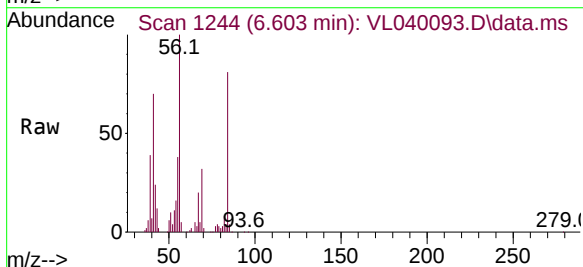
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

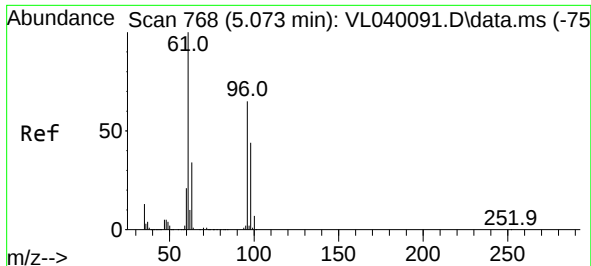
Tgt Ion: 83 Resp: 158233
Ion Ratio Lower Upper
83 100
85 68.1 53.1 79.7



#30
Cyclohexane
Concen: 1.041 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 84 Resp: 81999
Ion Ratio Lower Upper
84 100
56 120.7 111.5 167.3
41 89.7 71.4 107.0

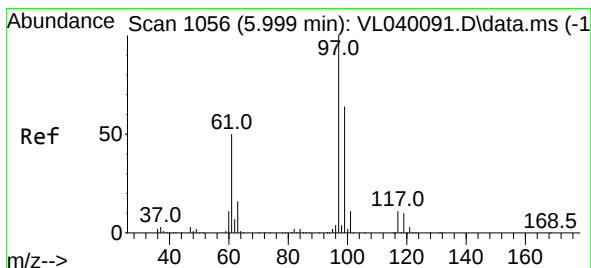
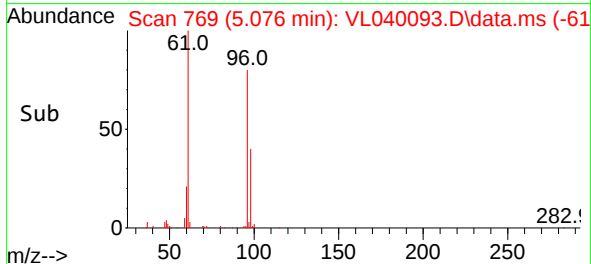
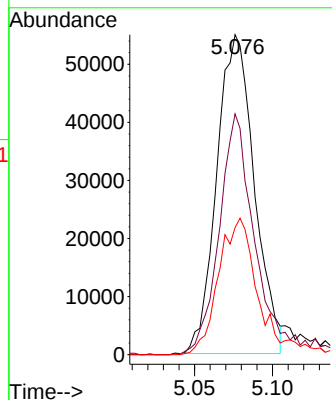
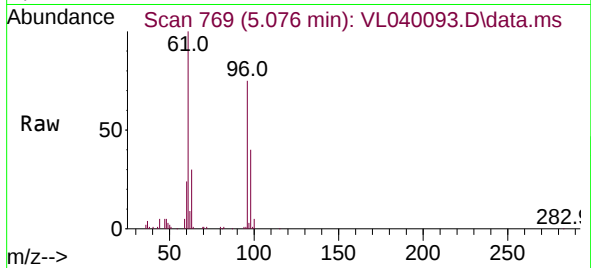




#31
 cis-1,2-Dichloroethene
 Concen: 0.962 ppbv
 RT: 5.076 min Scan# 769
 Delta R.T. 0.003 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

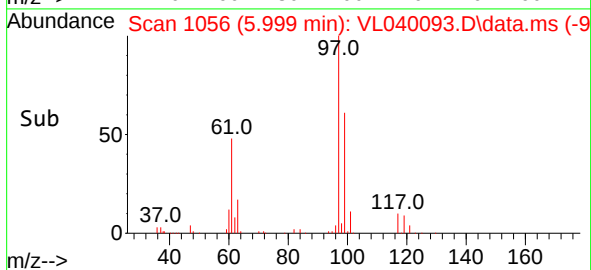
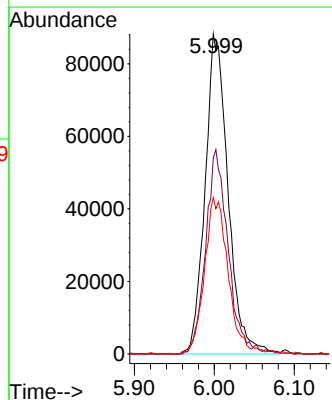
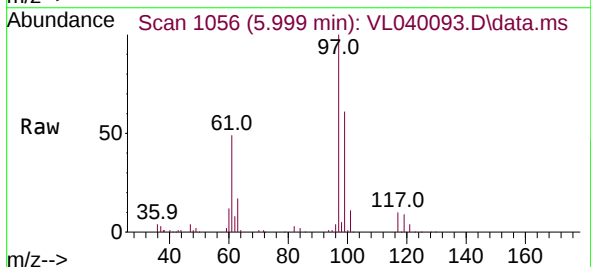
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

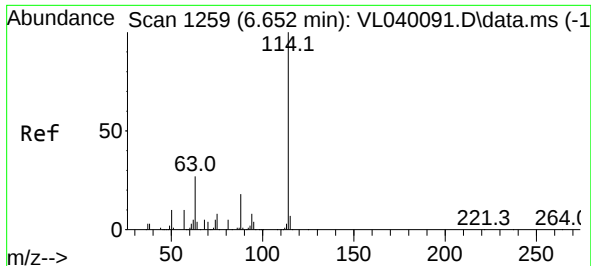
Tgt Ion:	61	Resp:	92345
Ion	Ratio	Lower	Upper
61	100		
96	75.5	52.0	78.0
98	39.9	35.3	52.9



#32
 1,1,1-Trichloroethane
 Concen: 1.092 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

Tgt Ion:	97	Resp:	175863
Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.8	77.6
61	51.3	40.4	60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

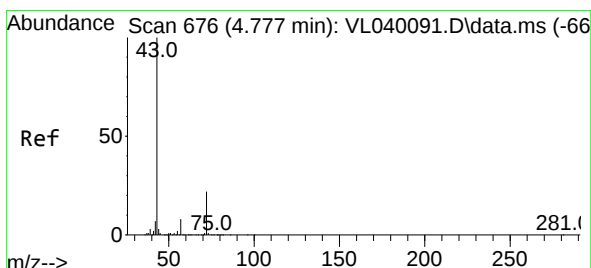
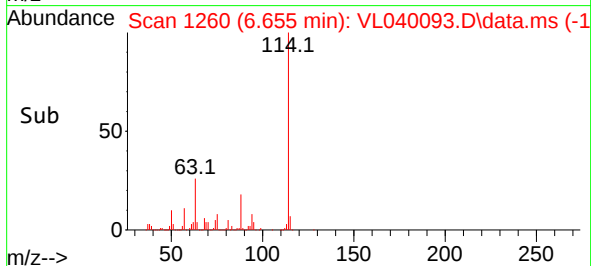
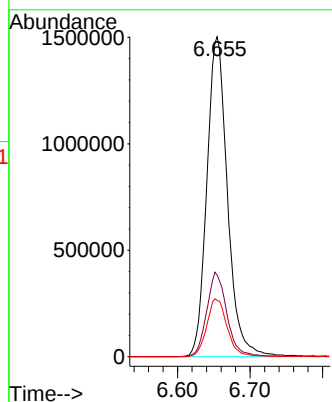
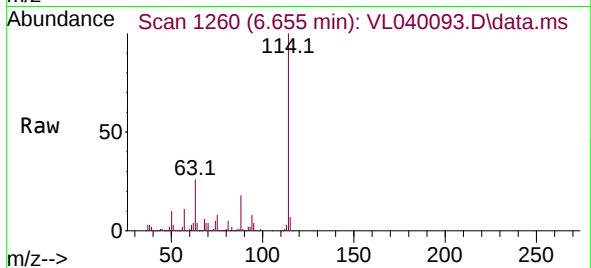
Tgt Ion:114 Resp: 2964839

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.8

88 18.1 14.8 22.2



#34

2-Butanone

Concen: 0.935 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.016 min

Lab File: VL040093.D

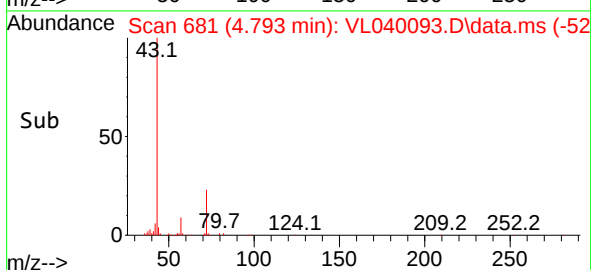
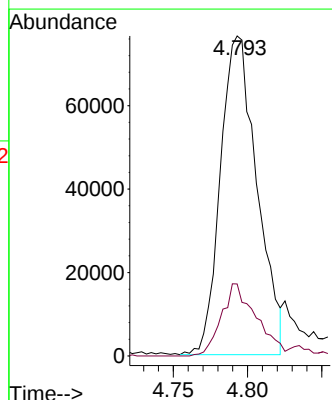
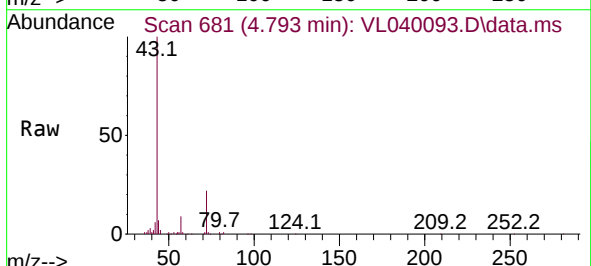
Acq: 16 Jan 2023 11:35

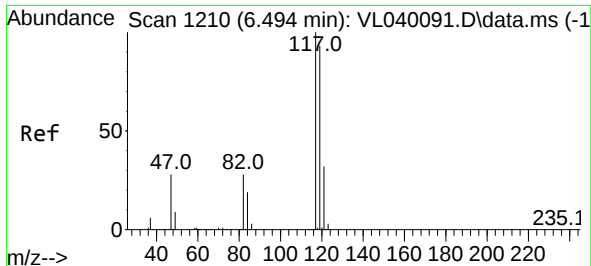
Tgt Ion: 43 Resp: 131125

Ion Ratio Lower Upper

43 100

72 23.5 18.4 27.6

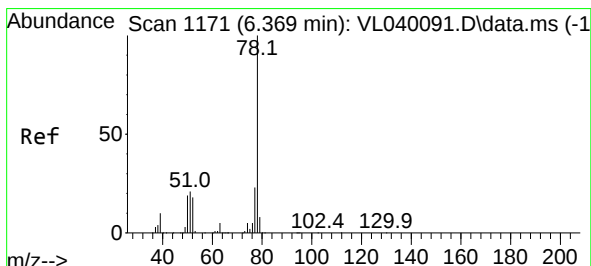
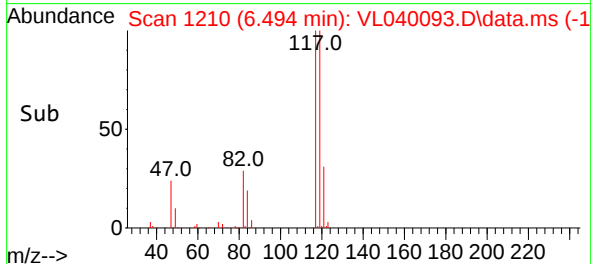
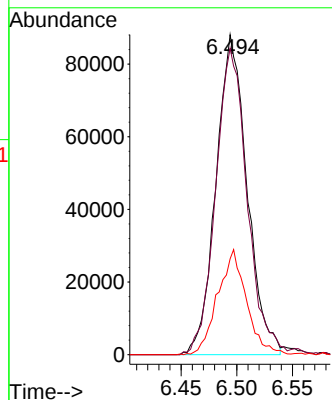
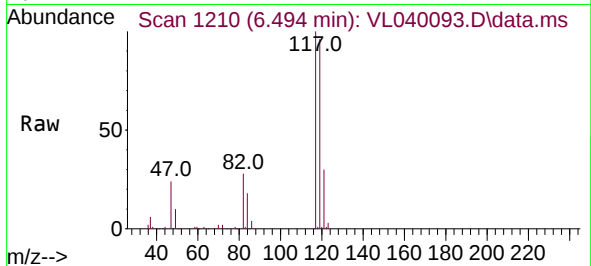




#35
Carbon Tetrachloride
Concen: 1.019 ppbv
RT: 6.494 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

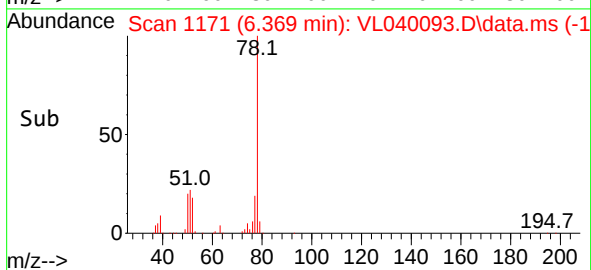
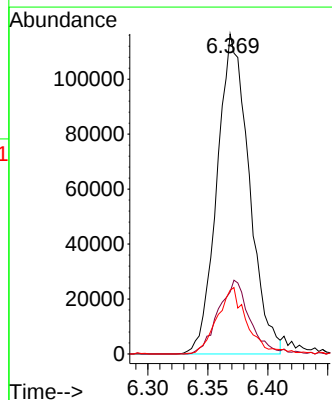
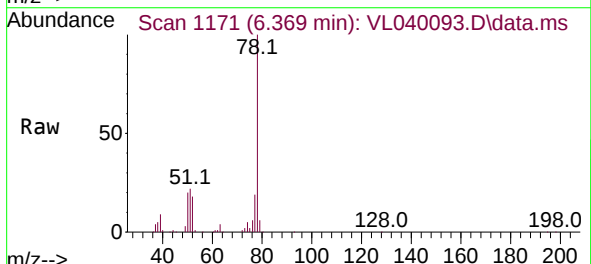
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

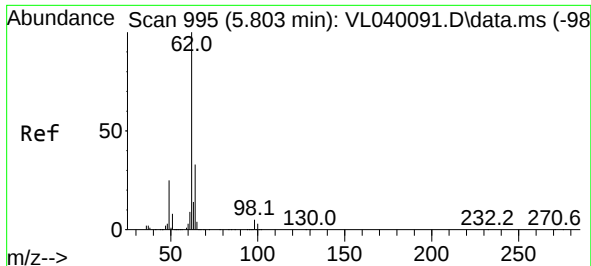
Tgt Ion:117 Resp: 170857
Ion Ratio Lower Upper
117 100
119 95.8 74.5 111.7
121 29.8 25.4 38.0



#36
Benzene
Concen: 0.987 ppbv
RT: 6.369 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 78 Resp: 216615
Ion Ratio Lower Upper
78 100
77 19.2 18.1 27.1
50 19.9 15.6 23.4

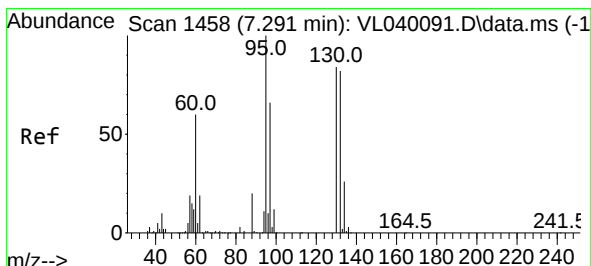
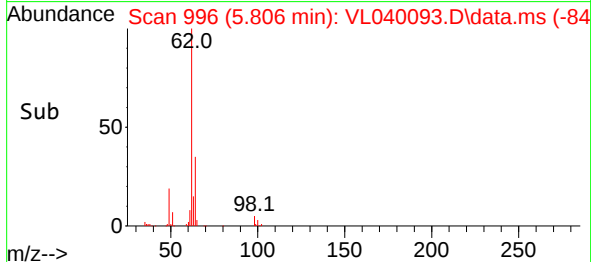
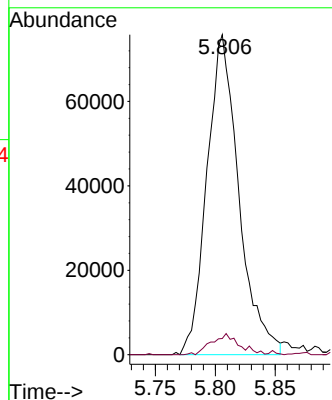
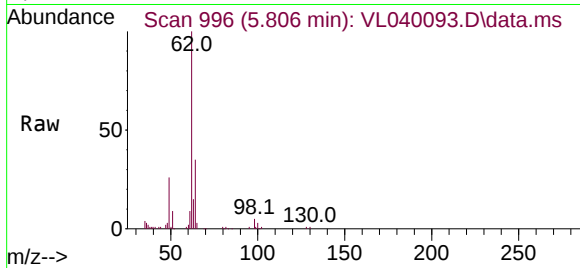




#37
1,2-Dichloroethane
Concen: 0.995 ppbv
RT: 5.806 min Scan# 995
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

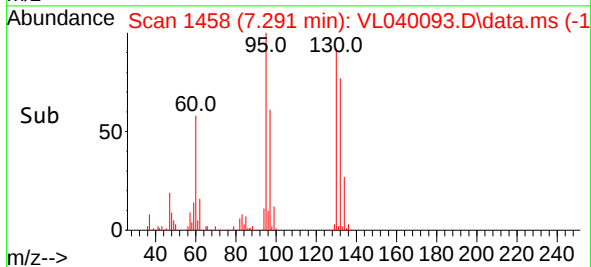
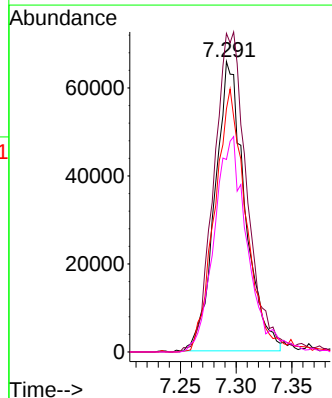
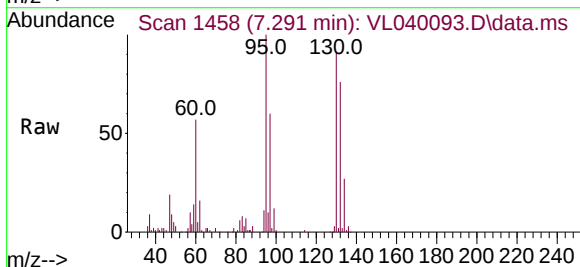
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

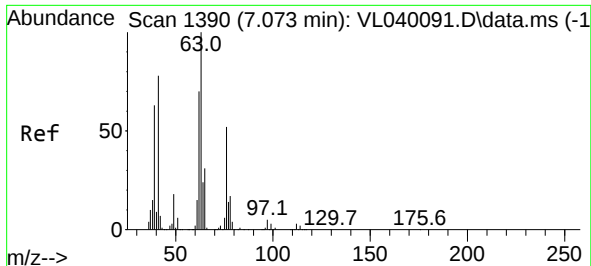
Tgt Ion: 62 Resp: 140328
Ion Ratio Lower Upper
62 100
98 6.0 4.4 6.6



#38
Trichloroethene
Concen: 0.986 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 130 Resp: 122822
Ion Ratio Lower Upper
130 100
95 110.1 95.0 142.6
132 83.8 77.9 116.9
97 66.6 62.6 93.8





#39

1,2-Dichloropropane

Concen: 0.435 ppbv

RT: 7.079 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

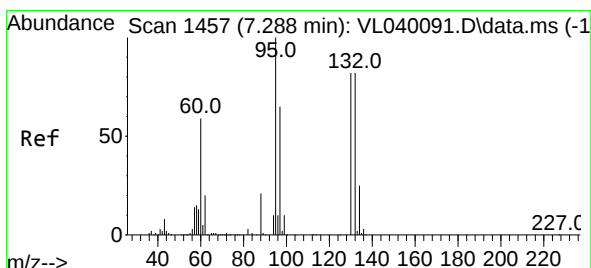
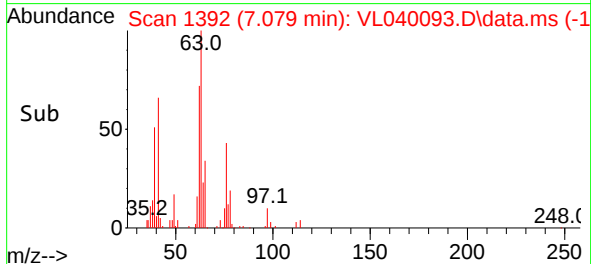
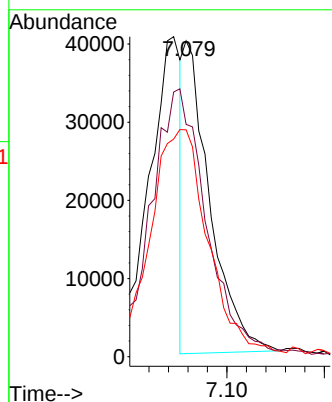
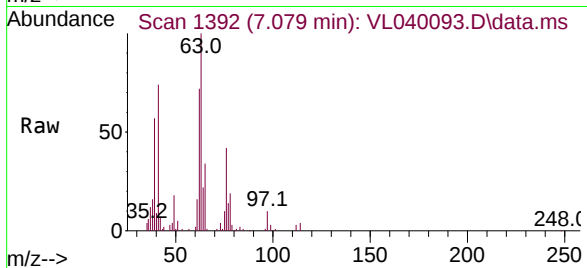
Tgt Ion: 63 Resp: 37325

Ion Ratio Lower Upper

63 100

41 72.7 62.2 93.4

62 71.5 55.8 83.8



#40

1,4-Dioxane

Concen: 0.409 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.026 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Tgt Ion: 88 Resp: 13915

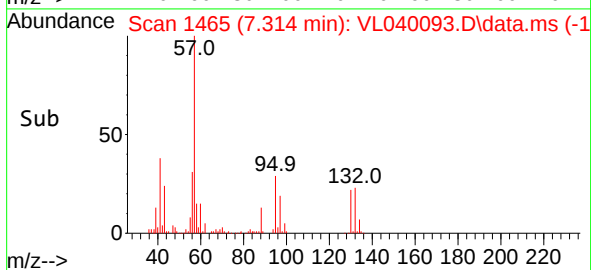
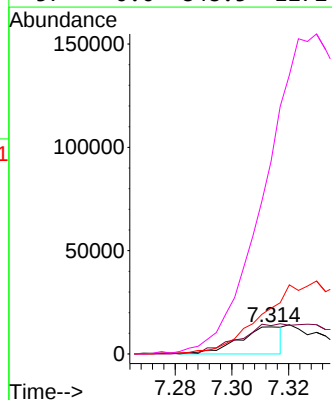
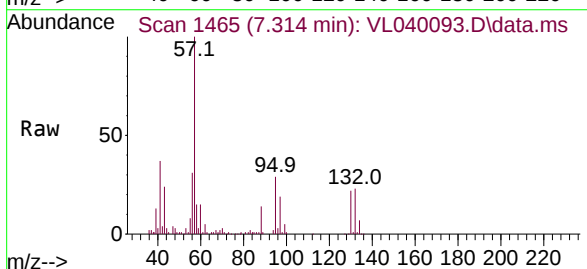
Ion Ratio Lower Upper

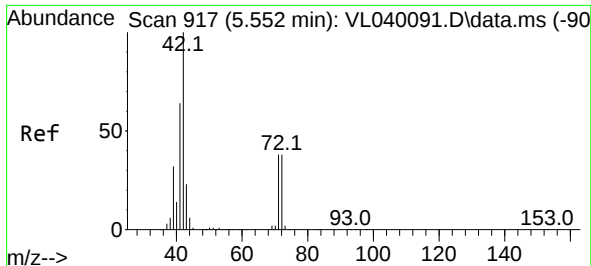
88 100

58 0.0 97.5 146.3#

43 0.0 195.0 292.4#

57 0.0 848.5 1272.7#





#41

Tetrahydrofuran

Concen: 0.904 ppbv

RT: 5.578 min Scan# 917

Delta R.T. 0.026 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

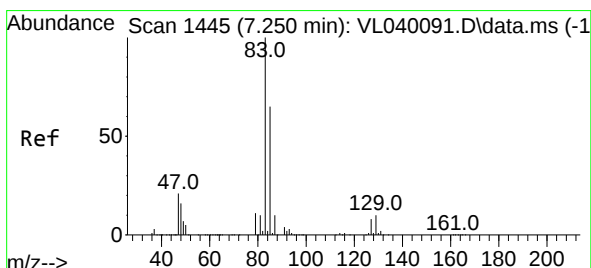
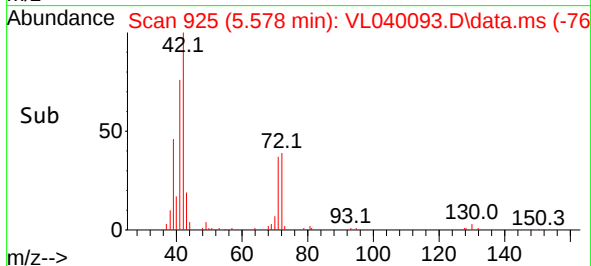
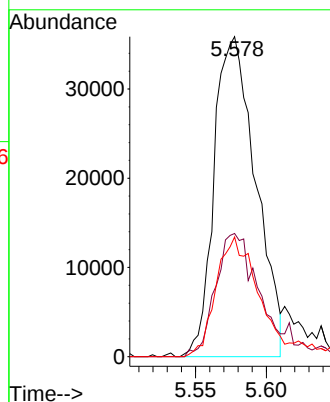
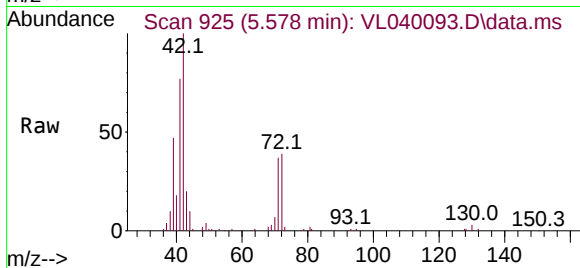
Tgt Ion: 42 Resp: 73136

Ion Ratio Lower Upper

42 100

72 44.4 31.9 47.9

71 41.3 31.4 47.2



#42

Bromodichloromethane

Concen: 0.944 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.003 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

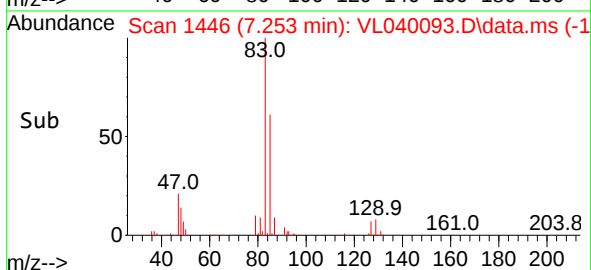
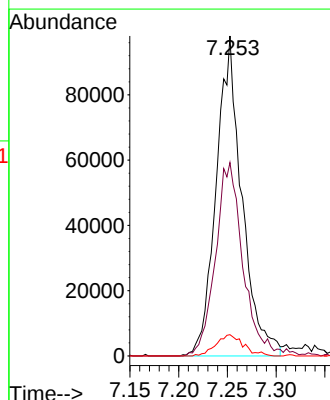
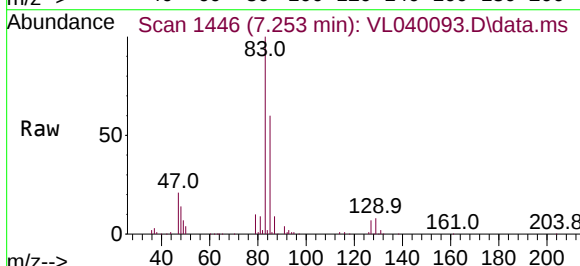
Tgt Ion: 83 Resp: 179792

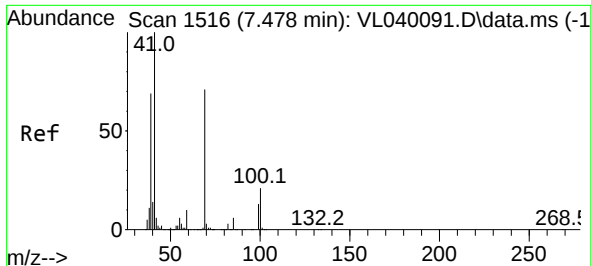
Ion Ratio Lower Upper

83 100

85 60.5 51.7 77.5

127 6.6 6.2 9.2

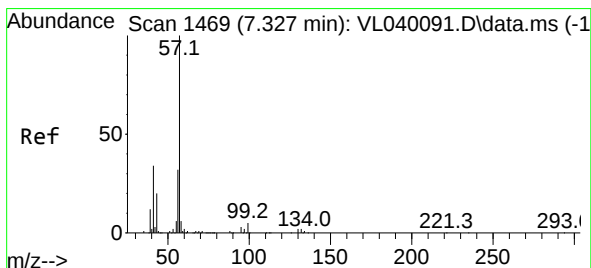
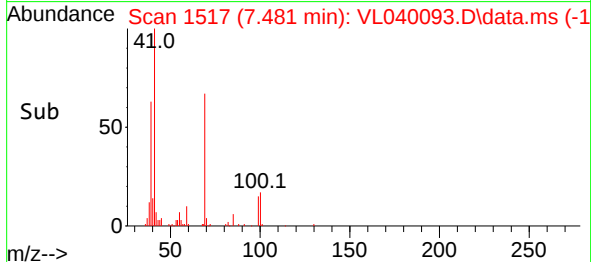
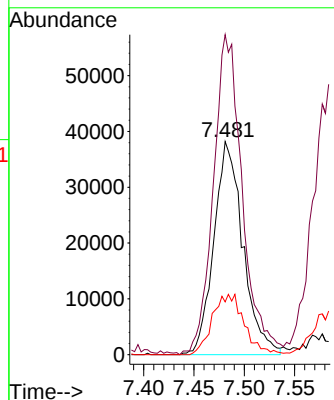
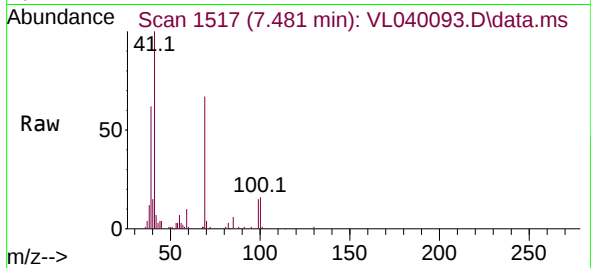




#43
Methyl Methacrylate
Concen: 0.954 ppbv
RT: 7.481 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

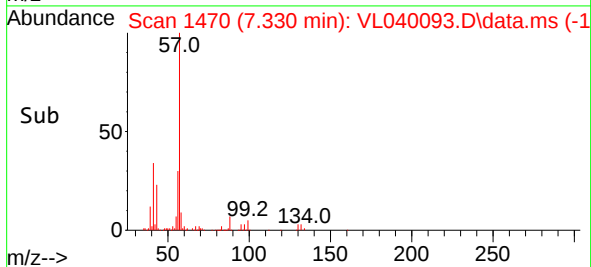
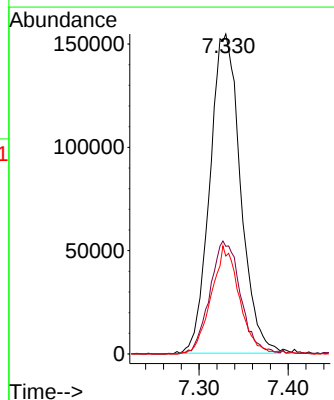
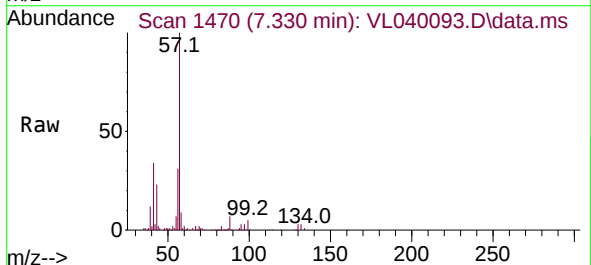
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

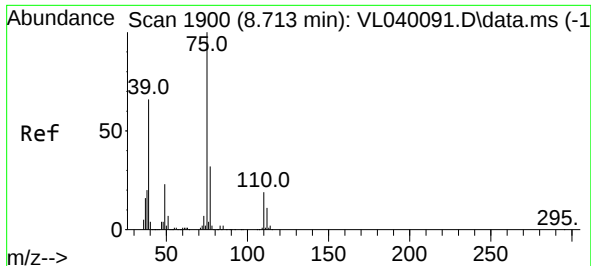
Tgt Ion: 69 Resp: 76775
Ion Ratio Lower Upper
69 100
41 148.8 118.2 177.2
100 31.1 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 1.010 ppbv
RT: 7.330 min Scan# 1470
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 57 Resp: 368596
Ion Ratio Lower Upper
57 100
41 35.8 27.1 40.7
56 31.5 25.0 37.4

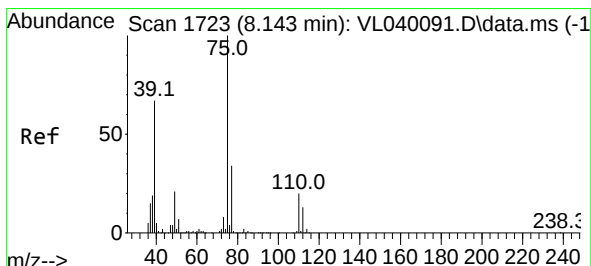
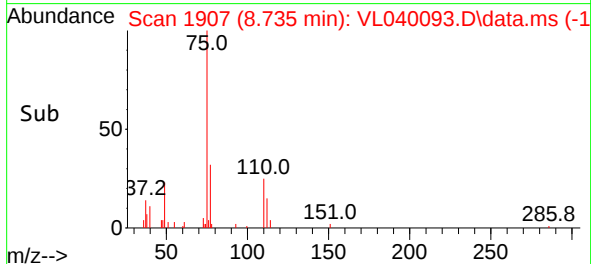
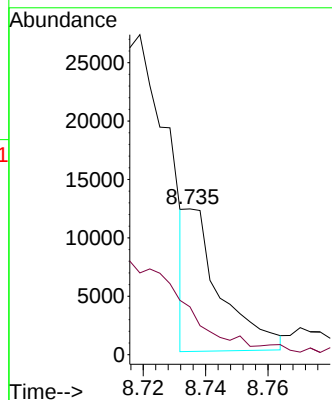
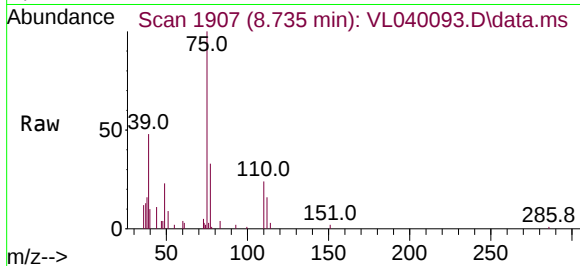




#45
 t-1,3-Dichloropropene
 Concen: 0.132 ppbv
 RT: 8.735 min Scan# 1907
 Delta R.T. 0.022 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

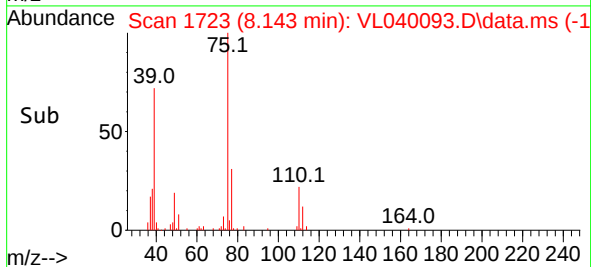
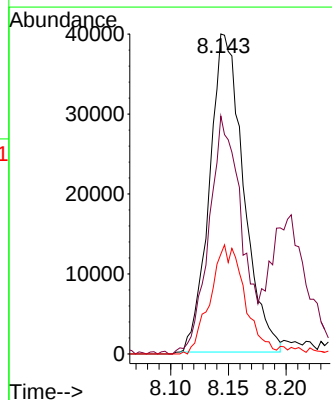
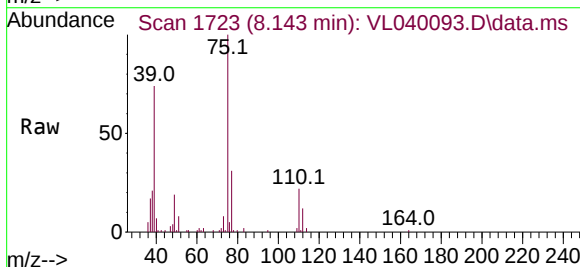
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

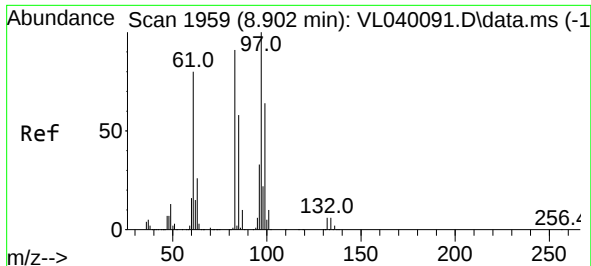
Tgt Ion: 75 Resp: 9463
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 0.832 ppbv
 RT: 8.143 min Scan# 1723
 Delta R.T. -0.000 min
 Lab File: VL040093.D
 Acq: 16 Jan 2023 11:35

Tgt Ion: 75 Resp: 81643
 Ion Ratio Lower Upper
 75 100
 39 72.9 53.6 80.4
 77 31.4 26.9 40.3

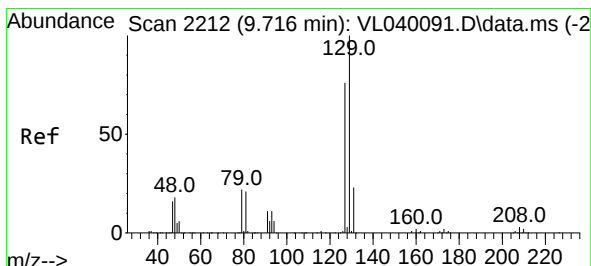
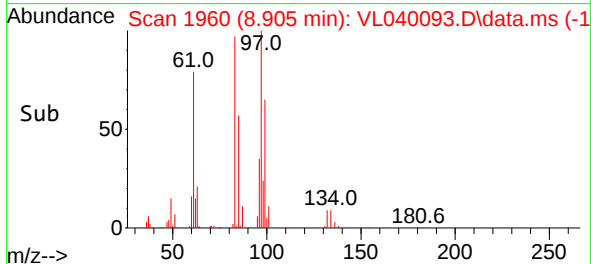
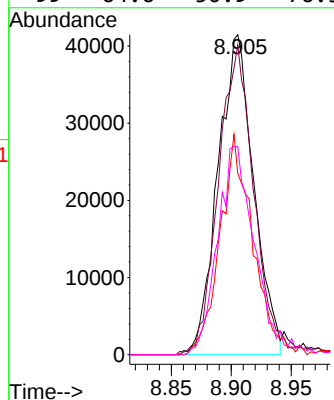
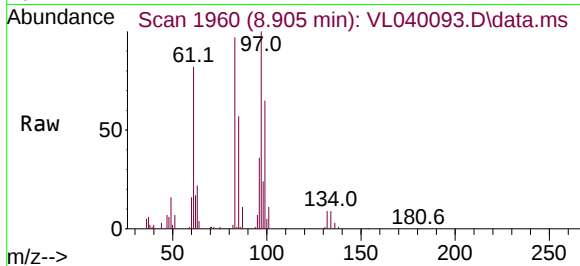




#47
1,1,2-Trichloroethane
Concen: 0.950 ppbv
RT: 8.905 min Scan# 1959
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

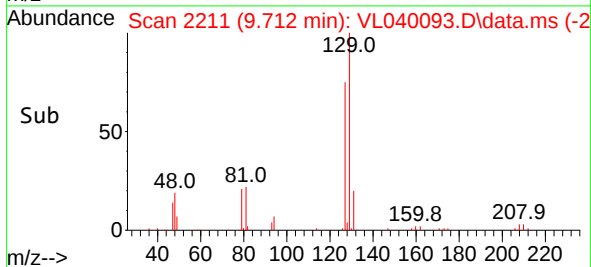
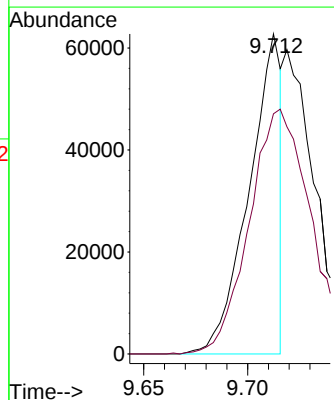
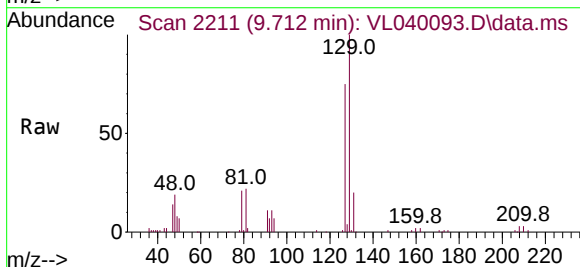
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

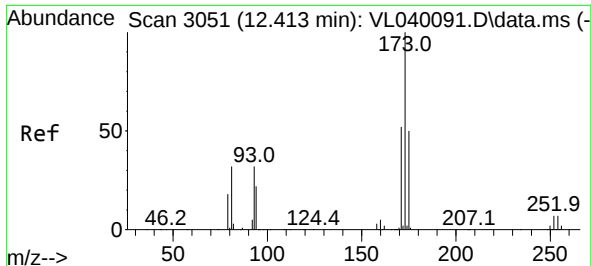
Tgt Ion: 97	Resp: 85852
Ion Ratio	Lower Upper
97 100	
83 95.7	72.9 109.3
85 56.6	46.0 69.0
99 64.6	50.9 76.3



#48
Dibromochloromethane
Concen: 0.465 ppbv
RT: 9.712 min Scan# 2211
Delta R.T. -0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion:129	Resp:	67549	
Ion	Ratio	Lower	Upper
129	100		
127	151.1	39.3	117.9#

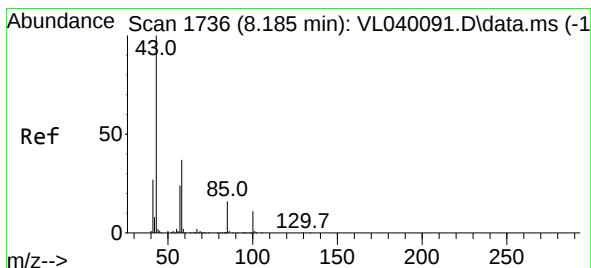
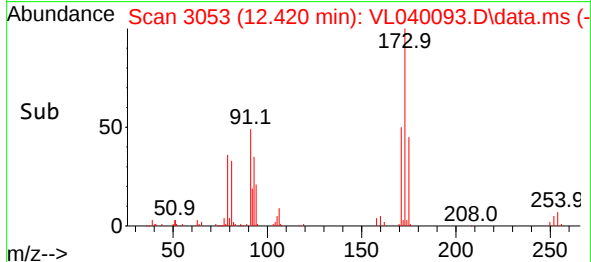
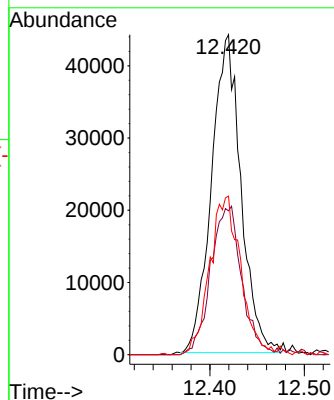
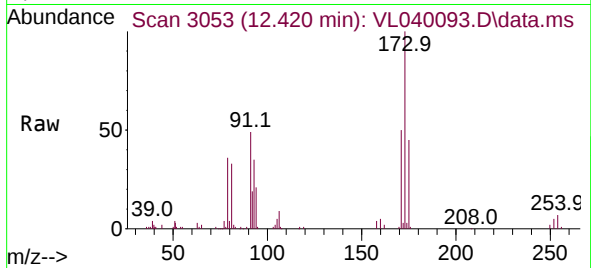




#49
Bromoform
Concen: 0.850 ppbv
RT: 12.420 min Scan# 3051
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

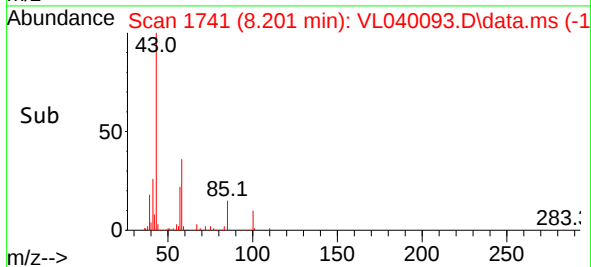
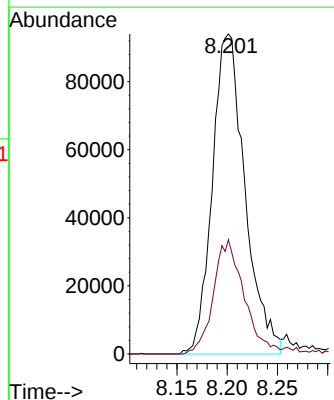
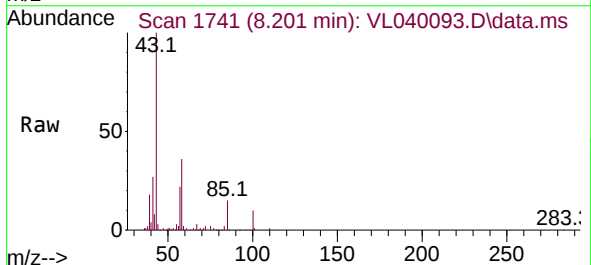
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

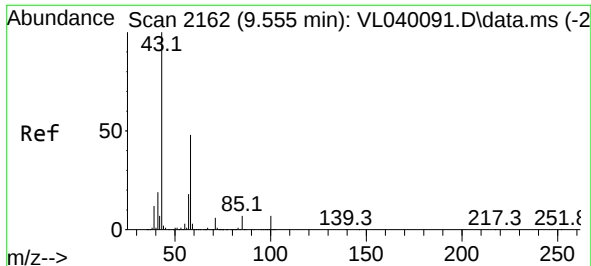
Tgt Ion:173 Resp: 95133
Ion Ratio Lower Upper
173 100
175 50.2 39.7 59.5
171 53.0 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 0.963 ppbv
RT: 8.201 min Scan# 1741
Delta R.T. 0.016 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 43 Resp: 212360
Ion Ratio Lower Upper
43 100
58 35.2 28.8 43.2

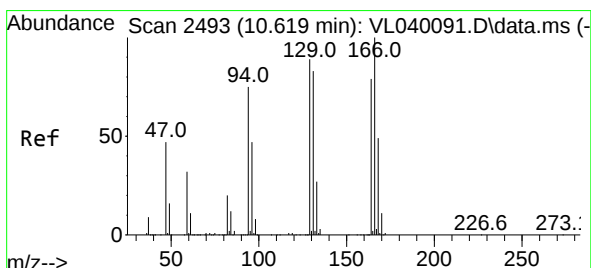
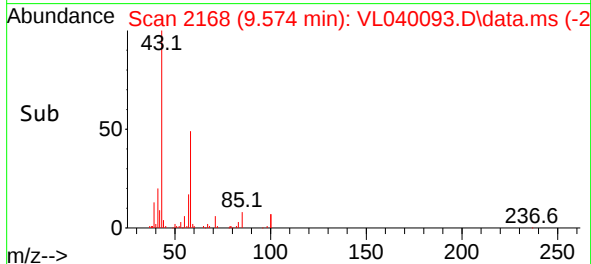
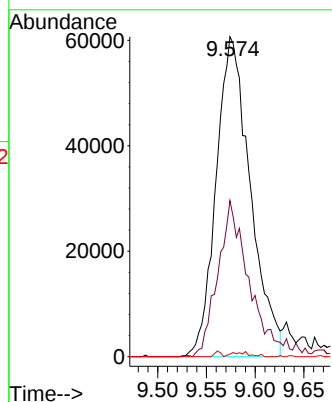
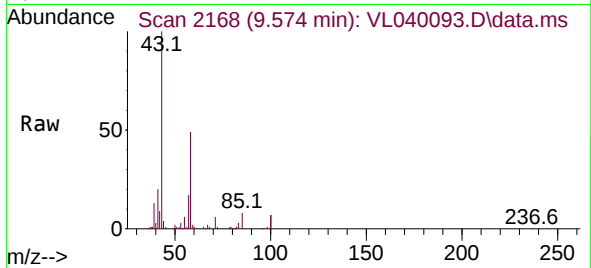




#51
2-Hexanone
Concen: 0.885 ppbv
RT: 9.574 min Scan# 2162
Delta R.T. 0.019 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

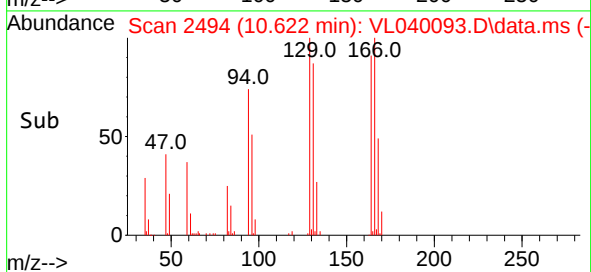
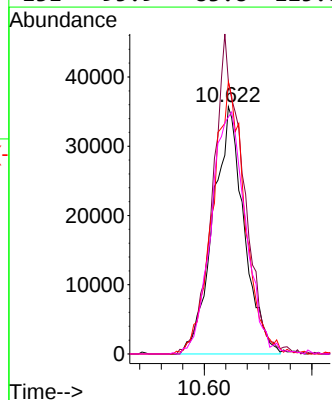
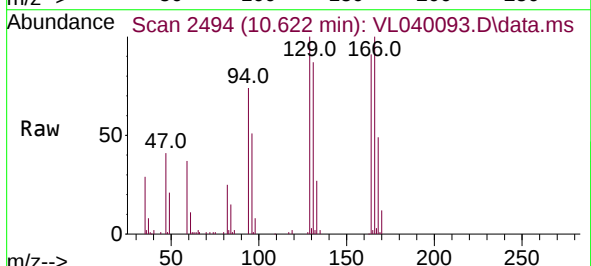
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

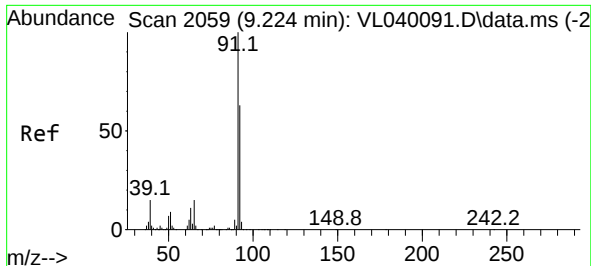
Tgt Ion: 43 Resp: 147841
Ion Ratio Lower Upper
43 100
58 45.7 37.5 56.3
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.998 ppbv
RT: 10.622 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 164 Resp: 71600
Ion Ratio Lower Upper
164 100
166 108.3 101.2 151.8
129 109.3 90.2 135.2
131 95.9 83.8 125.8

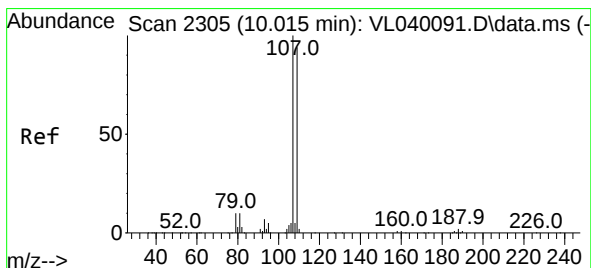
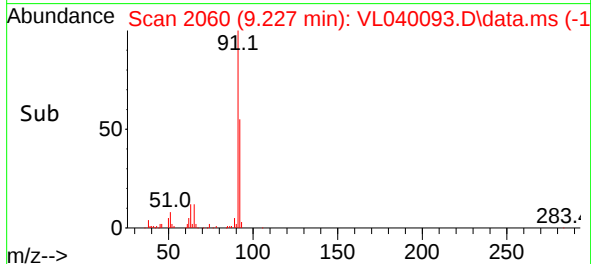
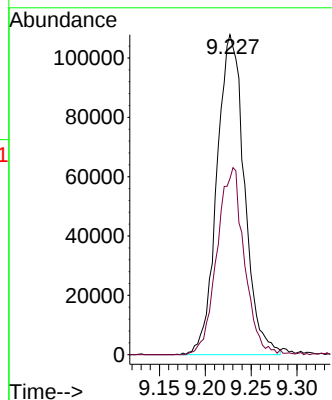
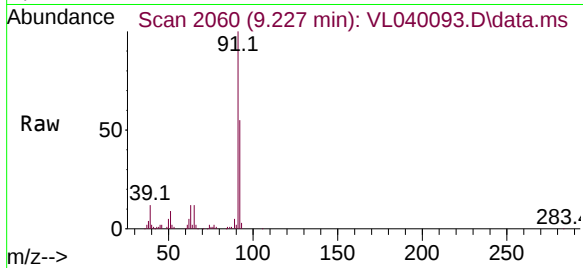




#53
Toluene
Concen: 0.961 ppbv
RT: 9.227 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

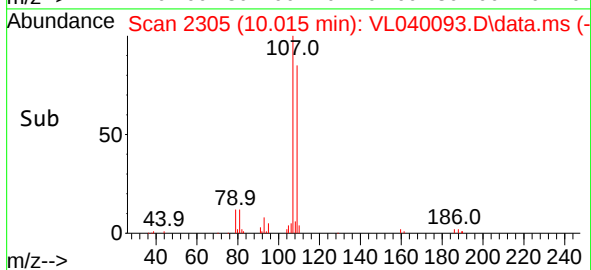
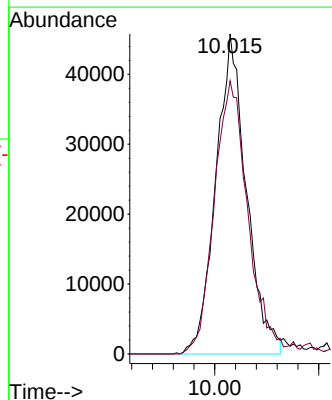
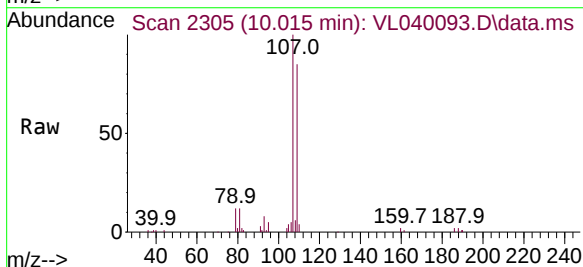
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

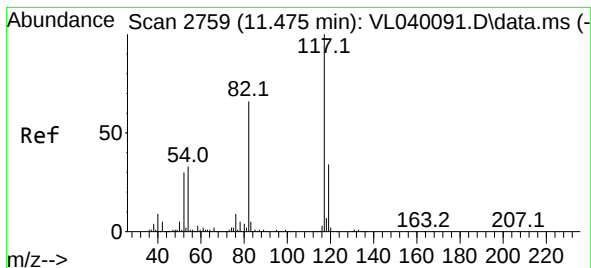
Tgt Ion: 91 Resp: 224929
Ion Ratio Lower Upper
91 100
92 58.2 48.3 72.5



#54
1,2-Dibromoethane
Concen: 0.988 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 107 Resp: 93423
Ion Ratio Lower Upper
107 100
109 85.4 75.0 112.4

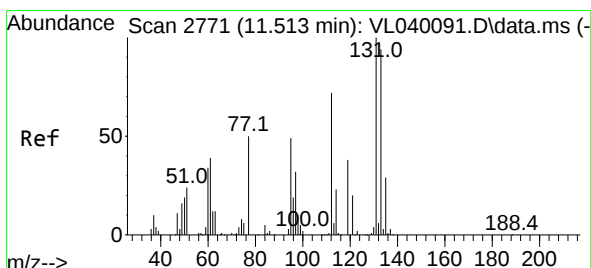
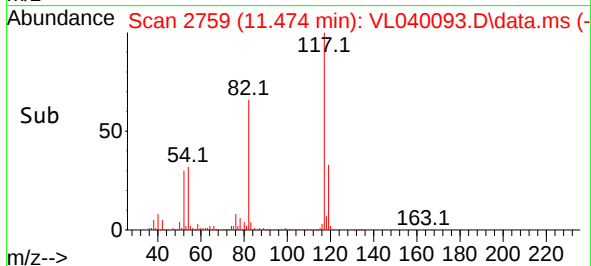
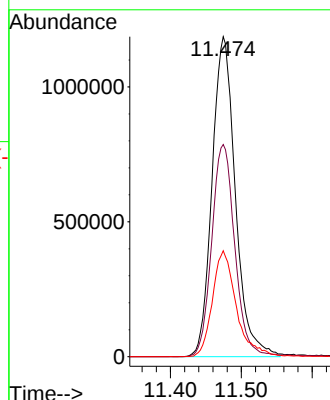
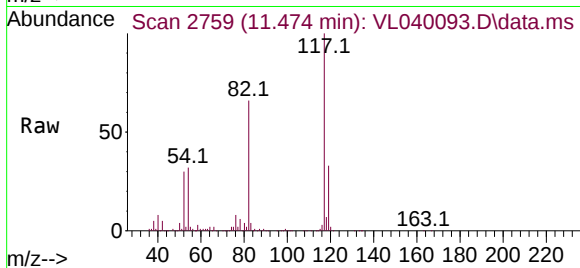




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

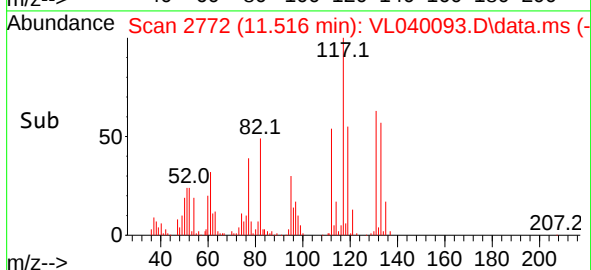
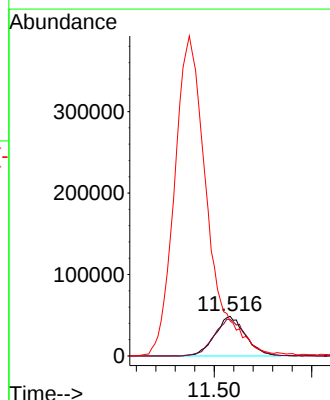
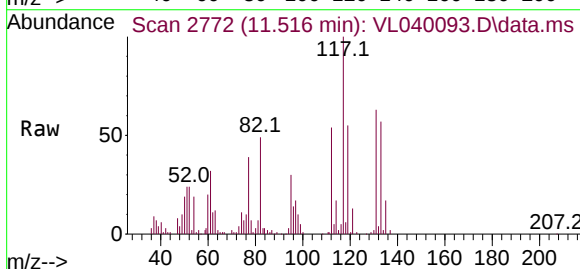
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

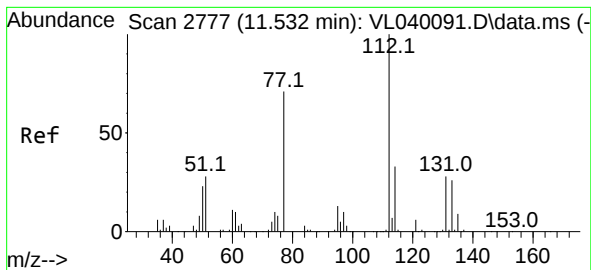
Tgt Ion:117 Resp: 2708821
Ion Ratio Lower Upper
117 100
82 66.5 54.4 81.6
119 34.1 26.8 40.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.999 ppbv
RT: 11.516 min Scan# 2772
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion:131 Resp: 105336
Ion Ratio Lower Upper
131 100
133 98.4 75.6 113.4
119 879.3 47.2 70.8#

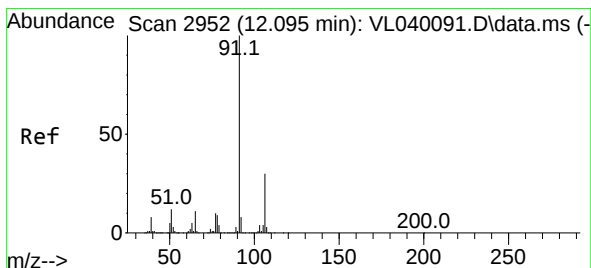
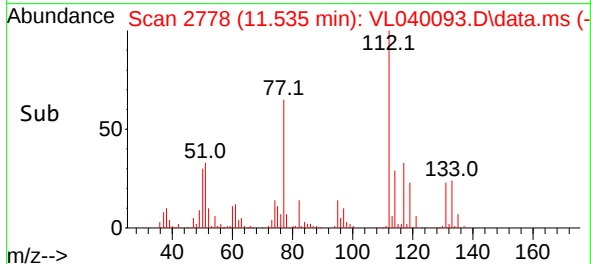
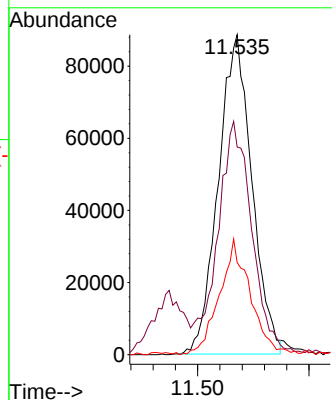
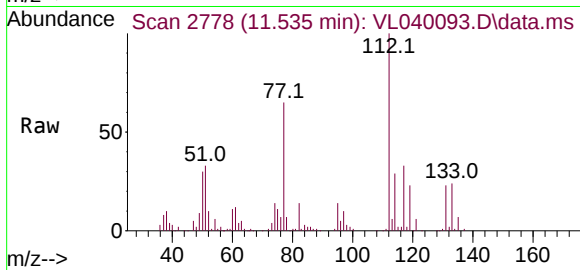




#57
Chlorobenzene
Concen: 1.004 ppbv
RT: 11.535 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

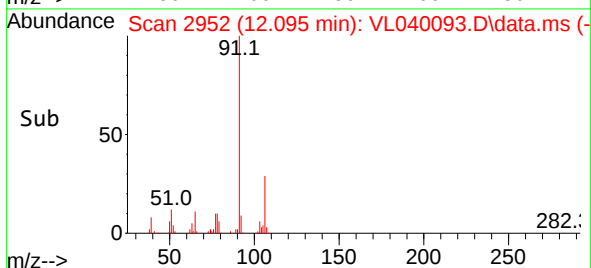
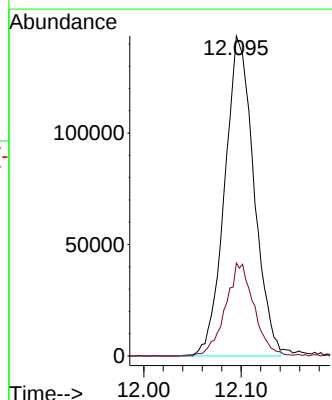
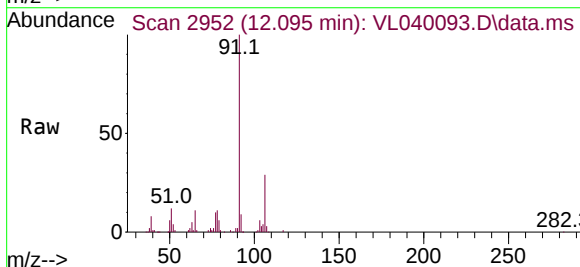
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

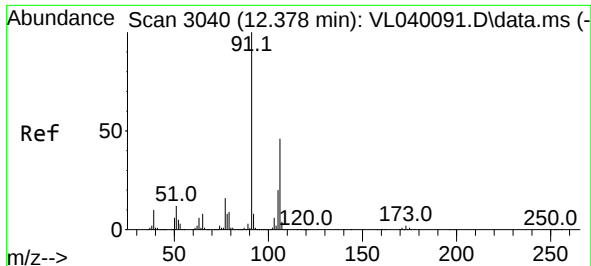
Tgt Ion:112 Resp: 185412
Ion Ratio Lower Upper
112 100
77 61.9 57.3 85.9
114 28.8 29.6 36.2#



#58
Ethyl Benzene
Concen: 0.987 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 91 Resp: 298292
Ion Ratio Lower Upper
91 100
106 29.1 23.7 35.5





#59

m/p-Xylene

Concen: 0.948 ppbv

RT: 12.384 min Scan# 3040

Delta R.T. 0.006 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

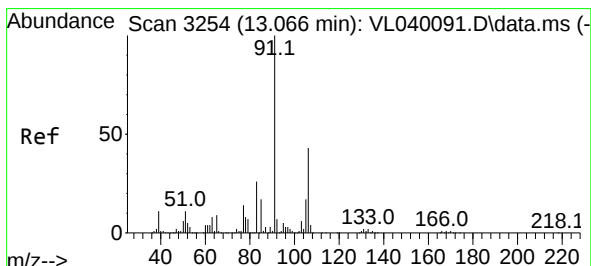
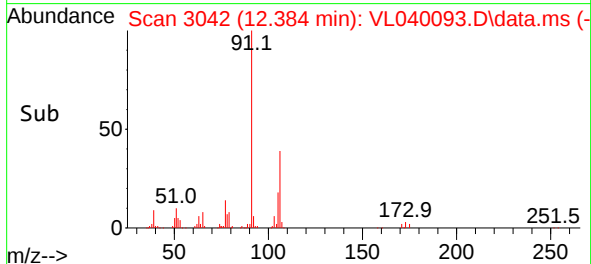
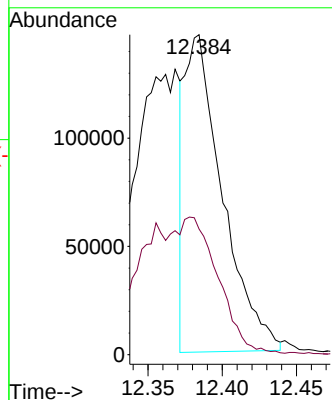
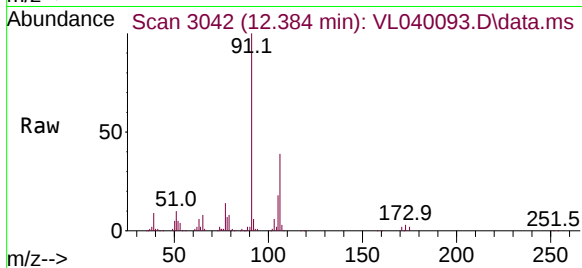
VSTDIC001

Tgt Ion: 91 Resp: 257618

Ion Ratio Lower Upper

91 100

106 89.8 34.2 51.4#



#60

o-Xylene

Concen: 0.986 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. -0.000 min

Lab File: VL040093.D

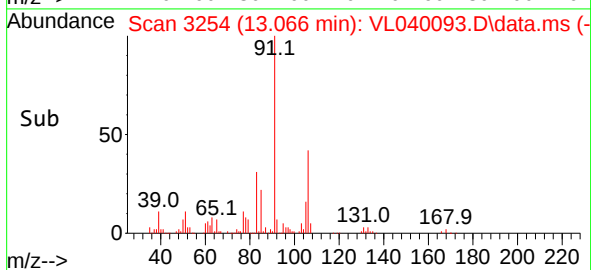
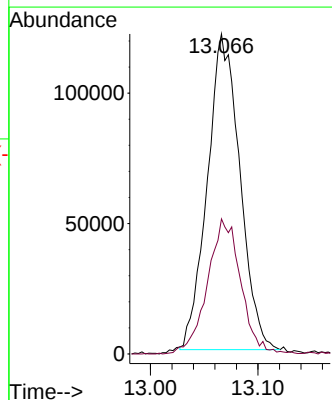
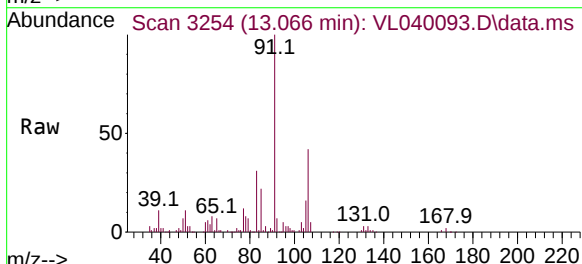
Acq: 16 Jan 2023 11:35

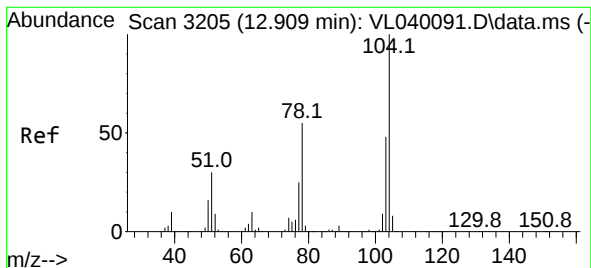
Tgt Ion: 91 Resp: 254350

Ion Ratio Lower Upper

91 100

106 43.9 21.6 64.8





#61

Styrene

Concen: 0.881 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

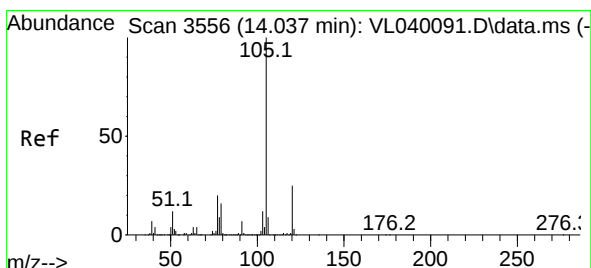
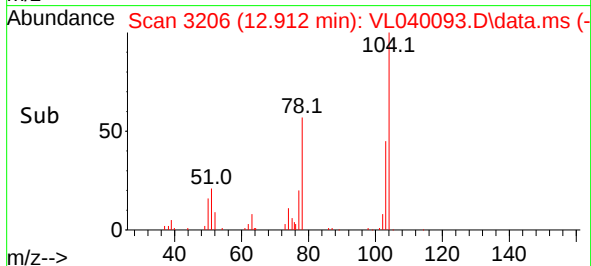
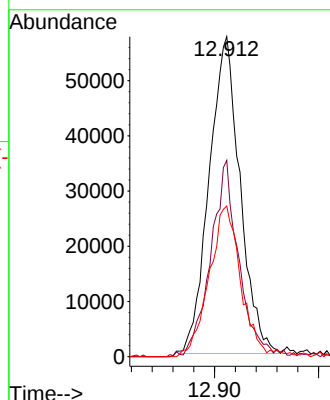
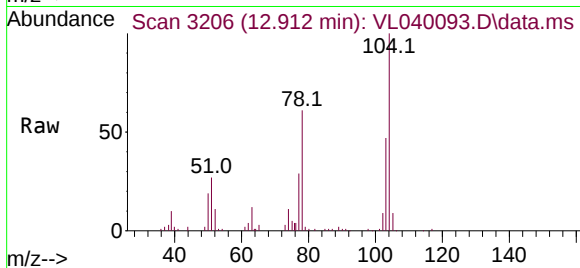
Tgt Ion:104 Resp: 118425

Ion Ratio Lower Upper

104 100

78 57.4 44.0 66.0

103 49.5 37.8 56.6



#62

Isopropylbenzene

Concen: 1.022 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL040093.D

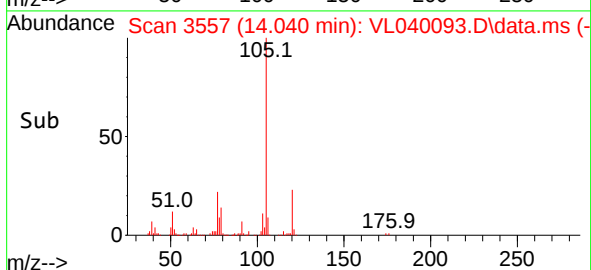
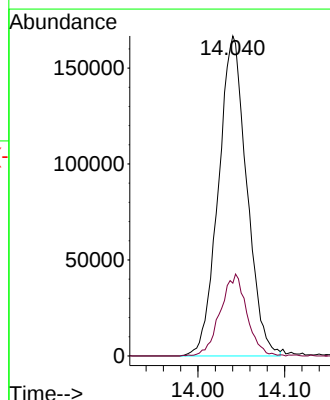
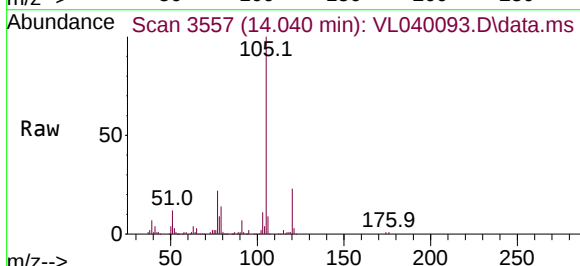
Acq: 16 Jan 2023 11:35

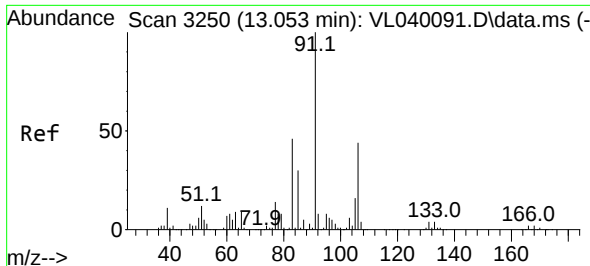
Tgt Ion:105 Resp: 379108

Ion Ratio Lower Upper

105 100

120 24.1 20.2 30.2





#63

1,1,2-Tetrachloroethane

Concen: 1.032 ppbv

RT: 13.060 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

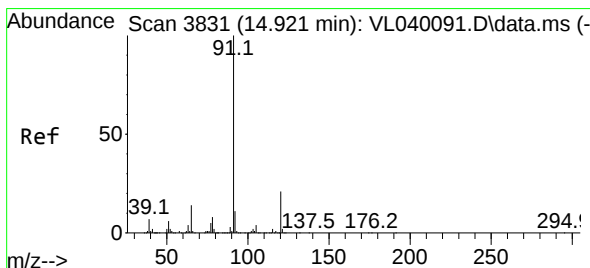
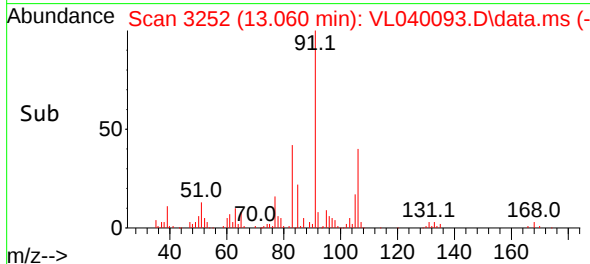
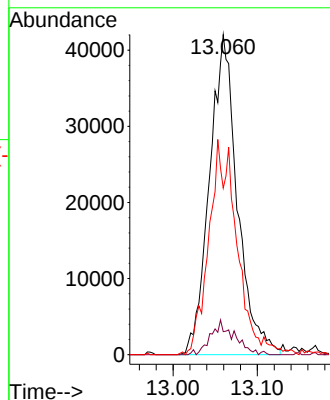
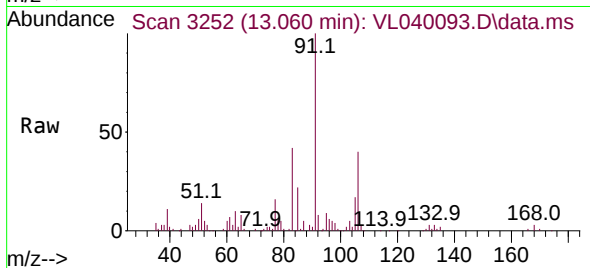
Tgt Ion: 83 Resp: 96671

Ion Ratio Lower Upper

83 100

131 9.1 4.3 13.1

85 67.9 32.5 97.5



#64

n-propylbenzene

Concen: 0.500 ppbv

RT: 14.924 min Scan# 3832

Delta R.T. 0.003 min

Lab File: VL040093.D

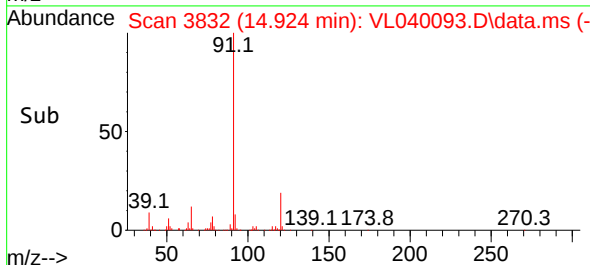
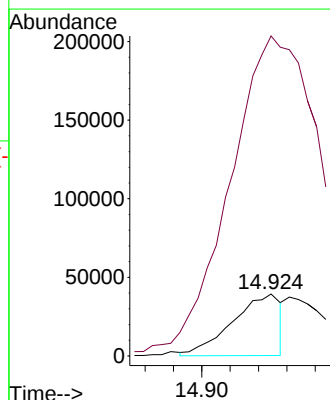
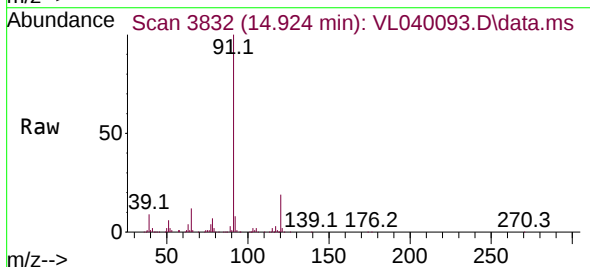
Acq: 16 Jan 2023 11:35

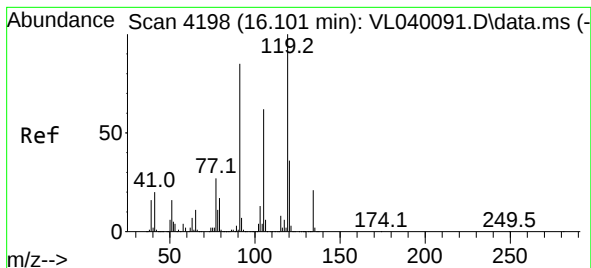
Tgt Ion: 120 Resp: 46129

Ion Ratio Lower Upper

120 100

91 1059.1 397.0 595.4#

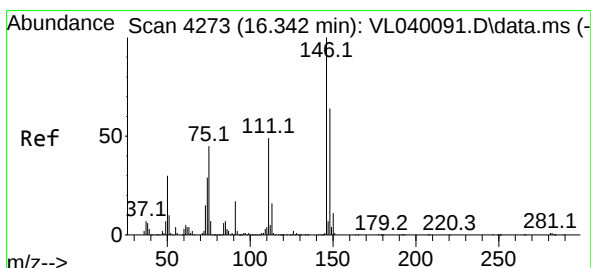
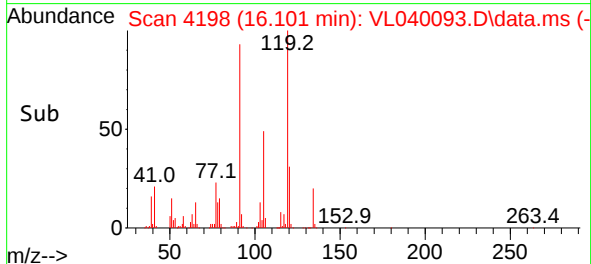
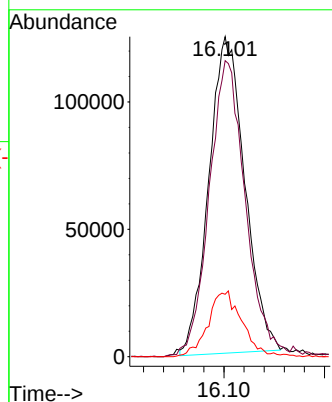
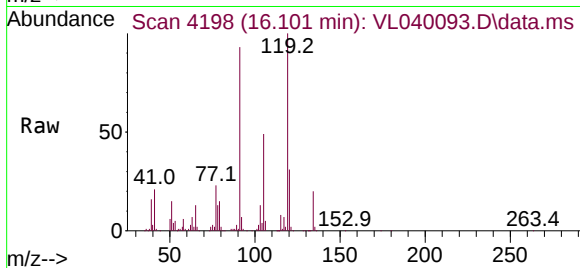




#65
tert-Butylbenzene
Concen: 0.968 ppbv
RT: 16.101 min Scan# 4198
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

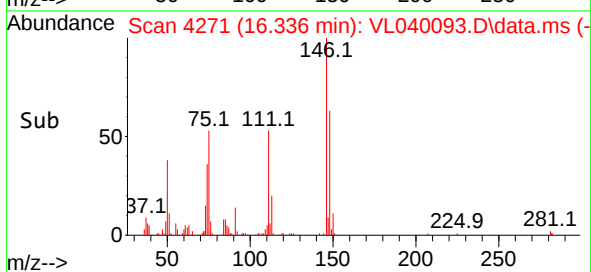
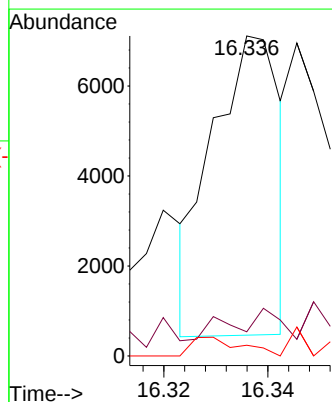
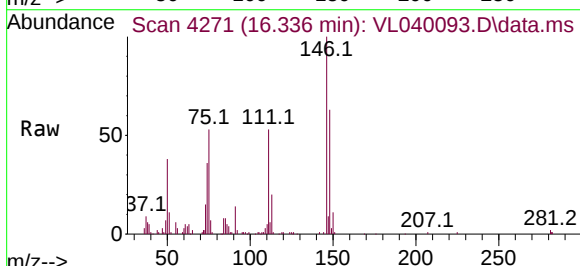
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

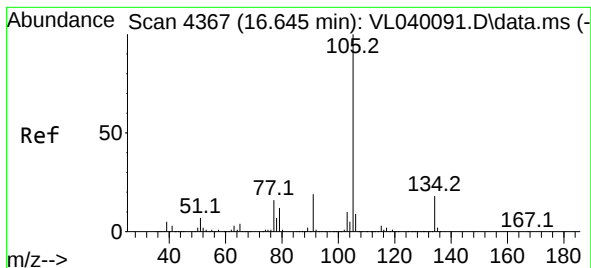
Tgt Ion:119 Resp: 307665
Ion Ratio Lower Upper
119 100
91 96.0 69.5 104.3
134 19.7 15.8 23.8



#66
Benzyl Chloride
Concen: 0.277 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. -0.007 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 91 Resp: 6012
Ion Ratio Lower Upper
91 100
126 0.0 11.5 17.3#
128 13.0 0.0 0.0#





#67

sec-Butylbenzene

Concen: 1.015 ppbv

RT: 16.651 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_1

ClientSampleId :

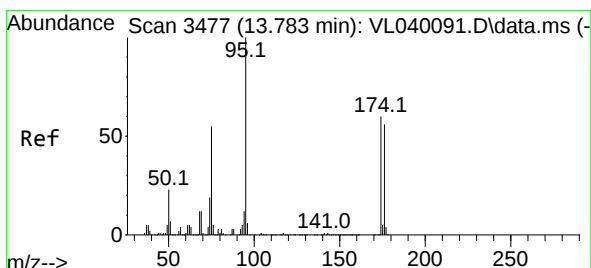
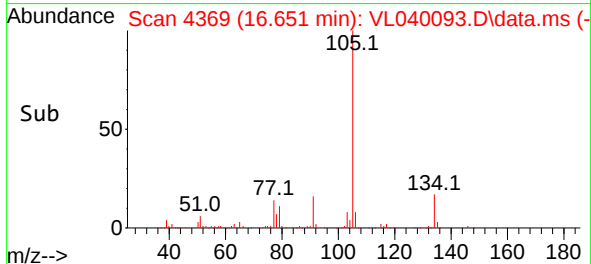
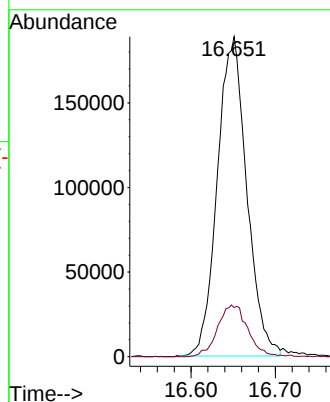
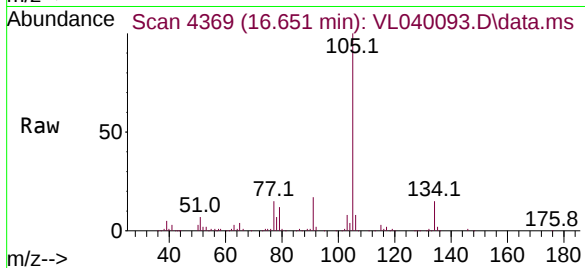
VSTDIC001

Tgt Ion:105 Resp: 457191

Ion Ratio Lower Upper

105 100

134 16.8 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 9.953 ppbv

RT: 13.783 min Scan# 3477

Delta R.T. -0.000 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

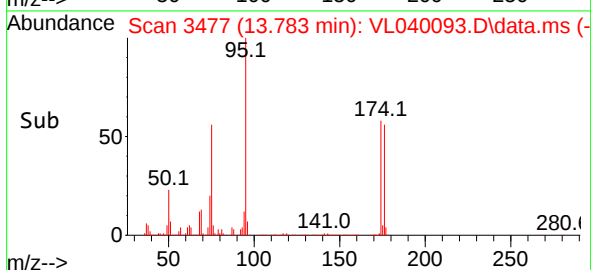
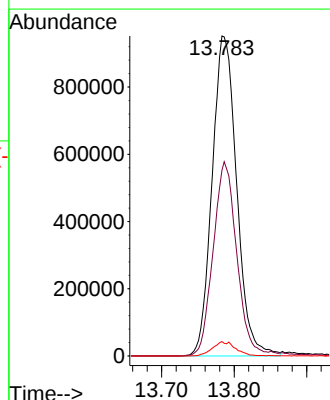
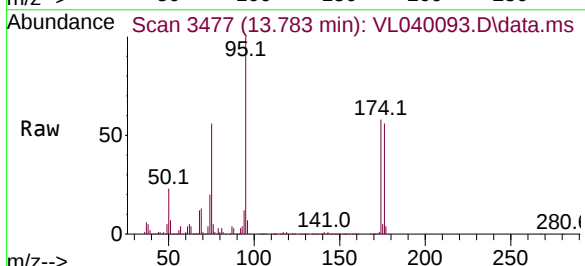
Tgt Ion: 95 Resp: 2240685

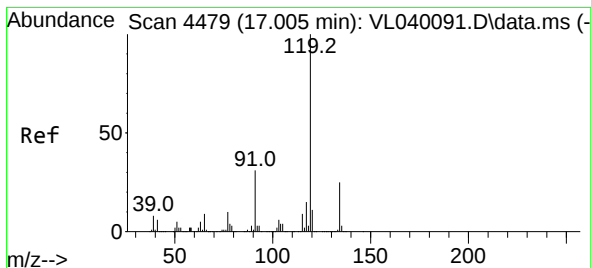
Ion Ratio Lower Upper

95 100

174 59.2 47.7 71.5

175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.993 ppbv

RT: 17.008 min Scan# 4479

Delta R.T. 0.003 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

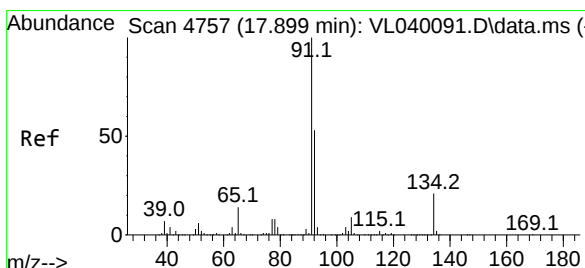
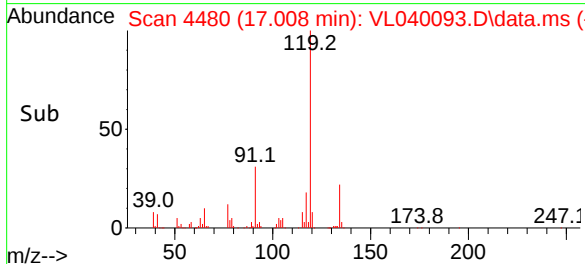
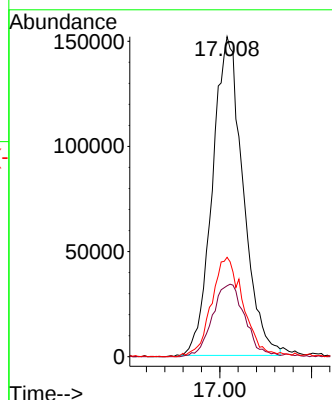
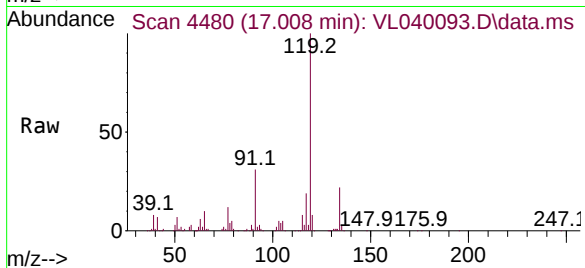
Tgt Ion:119 Resp: 351596

Ion Ratio Lower Upper

119 100

134 24.5 20.1 30.1

91 33.1 25.0 37.4



#70

n-Butylbenzene

Concen: 0.987 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. 0.006 min

Lab File: VL040093.D

Acq: 16 Jan 2023 11:35

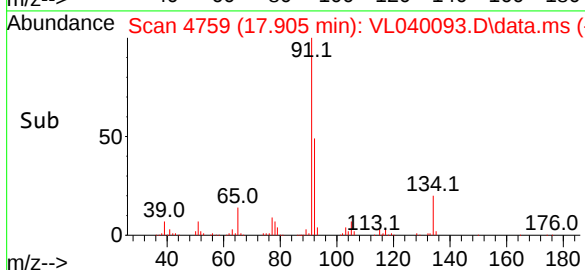
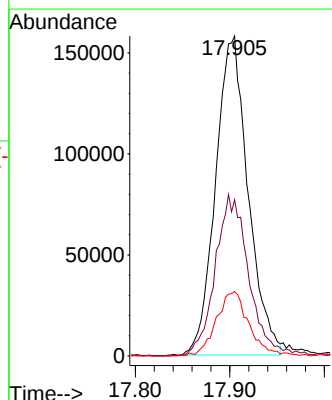
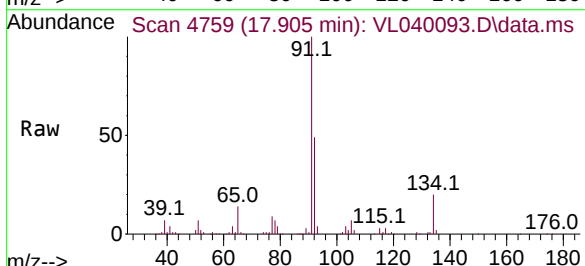
Tgt Ion: 91 Resp: 376823

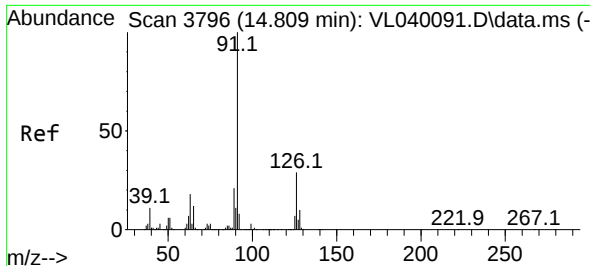
Ion Ratio Lower Upper

91 100

92 52.7 42.8 64.2

134 20.4 16.9 25.3

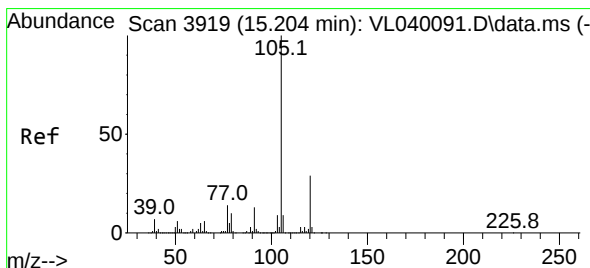
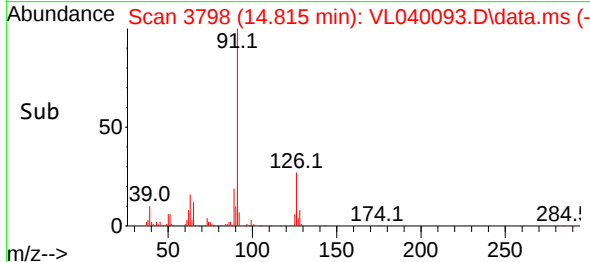
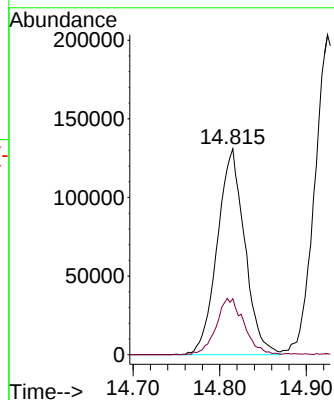
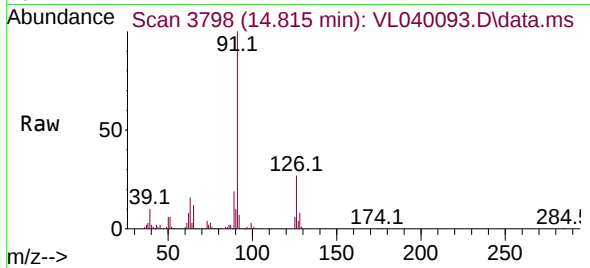




#71
2-Chlorotoluene
Concen: 1.010 ppbv
RT: 14.815 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

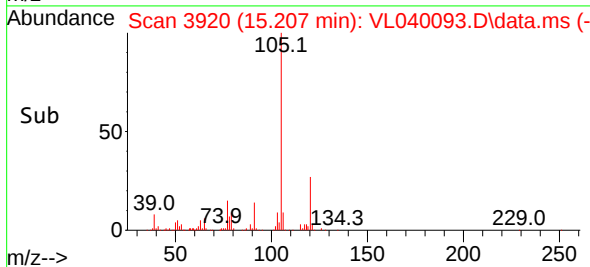
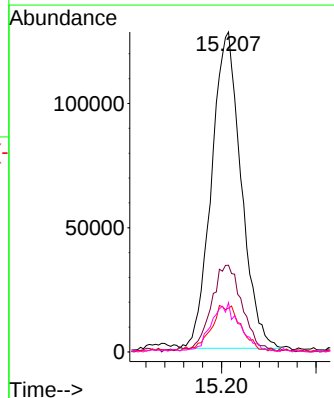
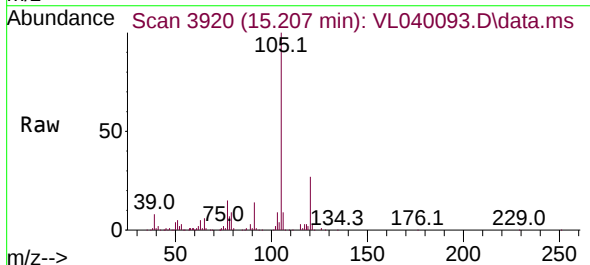
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

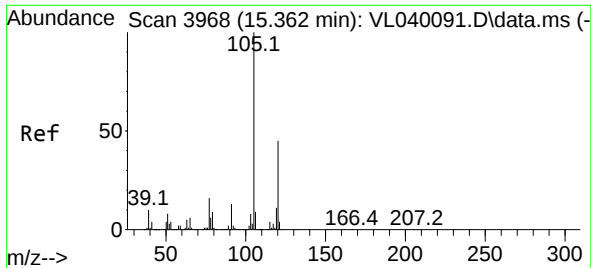
Tgt Ion: 91 Resp: 288301
Ion Ratio Lower Upper
91 100
126 28.1 11.9 47.5



#72
4-Ethyltoluene
Concen: 0.966 ppbv
RT: 15.207 min Scan# 3920
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion: 105 Resp: 276406
Ion Ratio Lower Upper
105 100
120 30.5 23.1 34.7
91 14.8 11.2 16.8
77 16.5 12.2 18.4

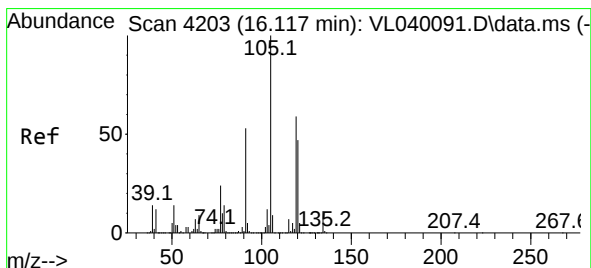
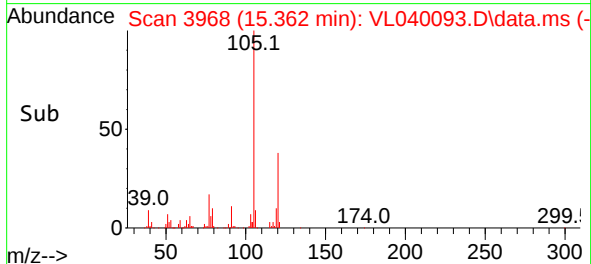
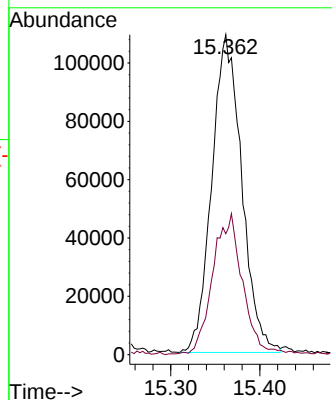
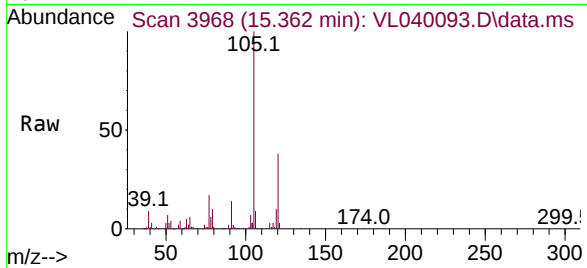




#73
1,3,5-Trimethylbenzene
Concen: 0.987 ppbv
RT: 15.362 min Scan# 3968
Delta R.T. -0.000 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

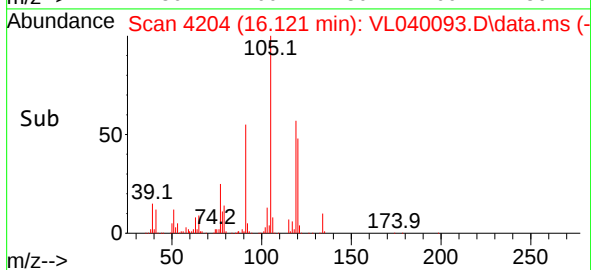
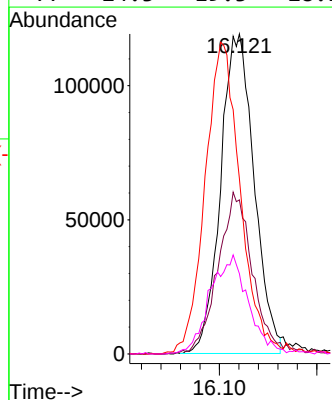
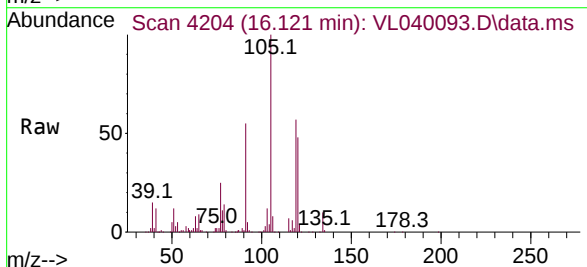
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

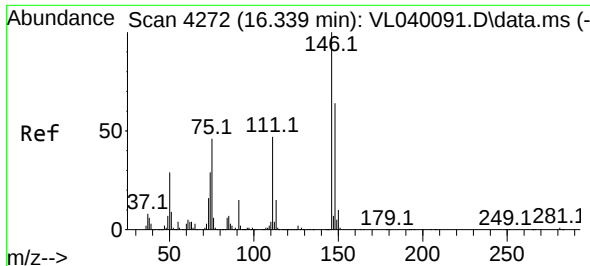
Tgt Ion:105 Resp: 254377
Ion Ratio Lower Upper
105 100
120 37.6 36.2 54.4



#74
1,2,4-Trimethylbenzene
Concen: 0.995 ppbv
RT: 16.121 min Scan# 4204
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion:105 Resp: 284092
Ion Ratio Lower Upper
105 100
120 47.6 38.0 57.0
91 52.7 42.1 63.1
77 24.3 19.3 28.9

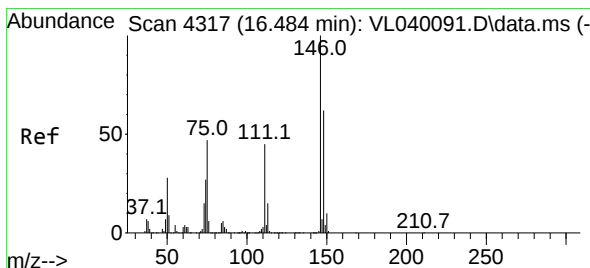
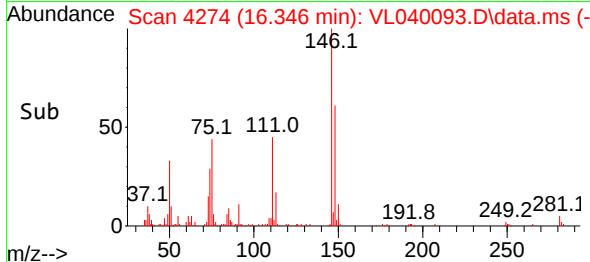
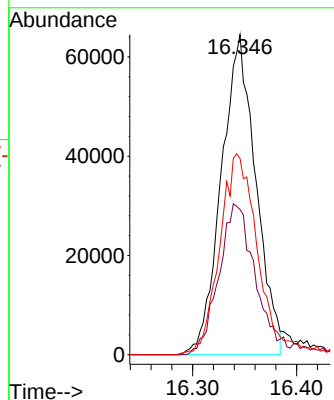
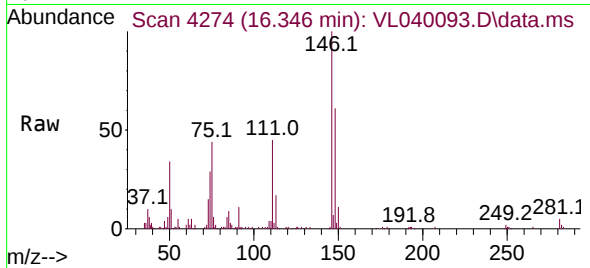




#75
1,3-Dichlorobenzene
Concen: 0.937 ppbv
RT: 16.346 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

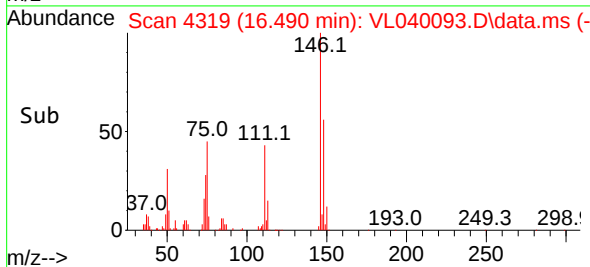
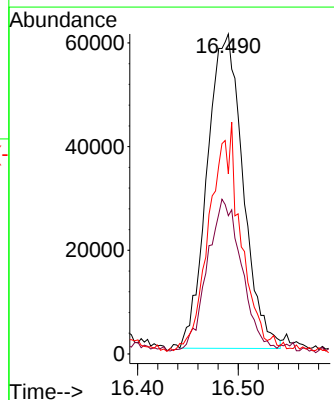
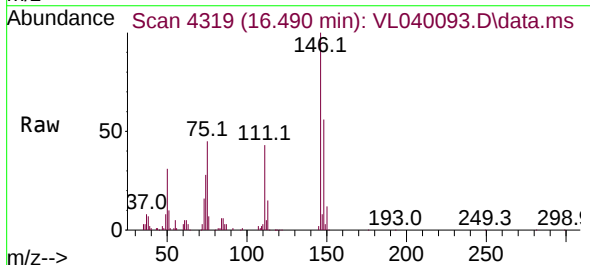
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

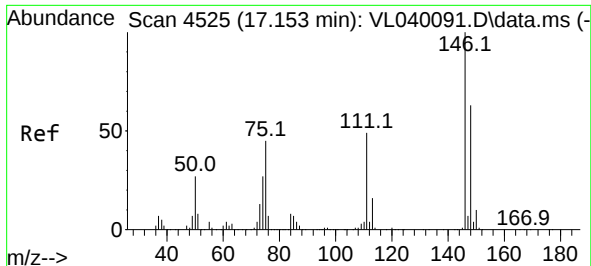
Tgt Ion:146 Resp: 148547
Ion Ratio Lower Upper
146 100
111 52.0 24.3 73.0
148 69.9 32.3 96.8



#76
1,4-Dichlorobenzene
Concen: 0.962 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion:146 Resp: 150071
Ion Ratio Lower Upper
146 100
111 50.4 23.8 71.2
148 67.0 32.8 98.4

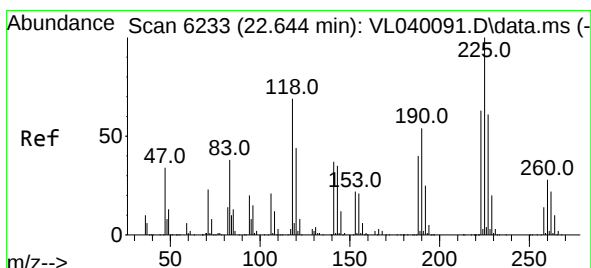
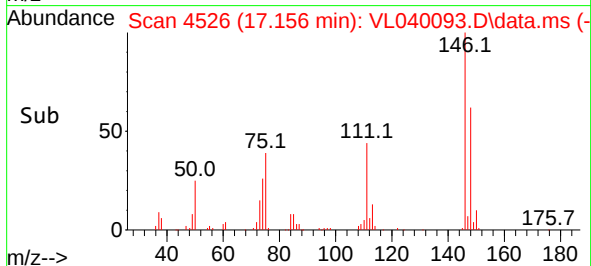
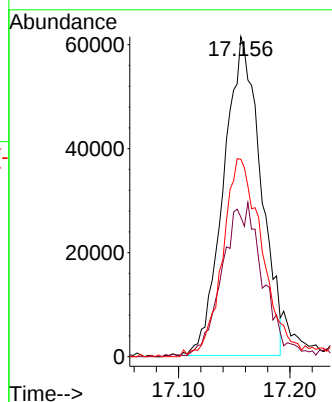
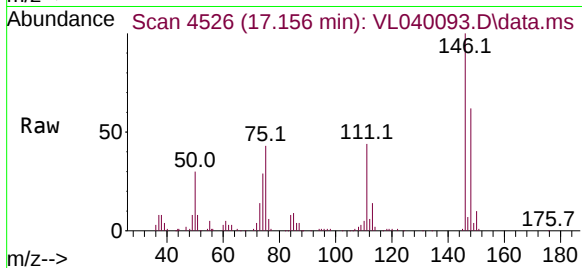




#77
1,2-Dichlorobenzene
Concen: 0.936 ppbv
RT: 17.156 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

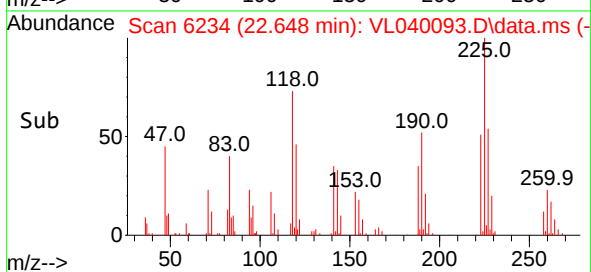
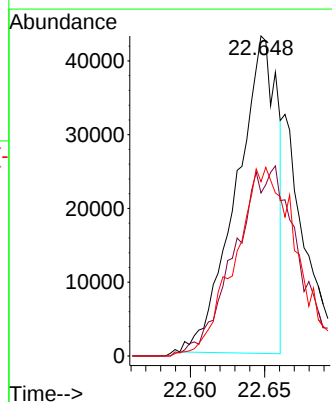
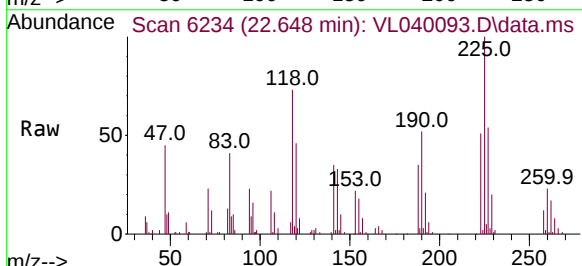
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

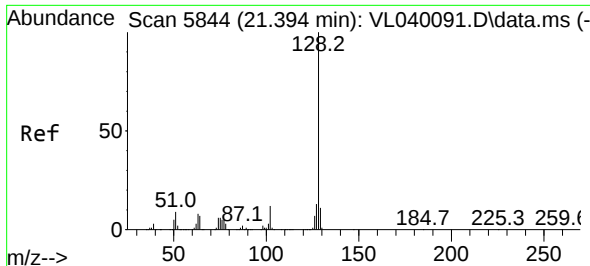
Tgt Ion:146 Resp: 141996
Ion Ratio Lower Upper
146 100
111 54.4 25.1 75.2
148 68.7 32.4 97.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.741 ppbv
RT: 22.648 min Scan# 6234
Delta R.T. 0.003 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion:225 Resp: 82265
Ion Ratio Lower Upper
225 100
223 0.0 51.5 77.3#
227 90.7 50.6 76.0#

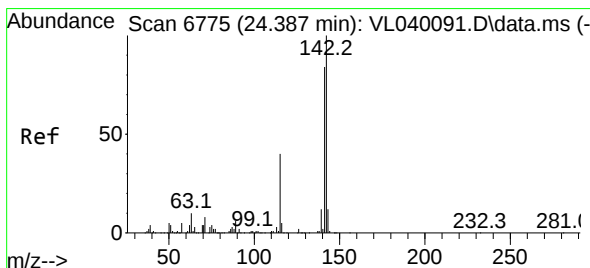
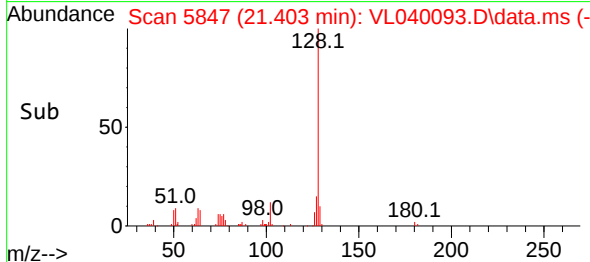
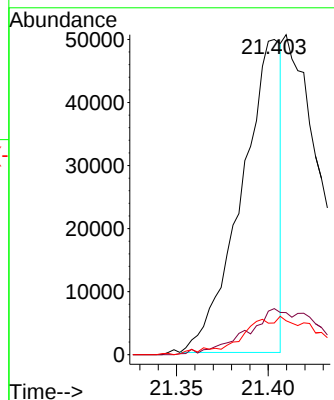
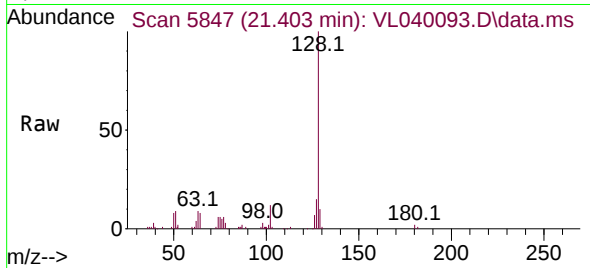




#79
Naphthalene
Concen: 0.456 ppbv
RT: 21.403 min Scan# 5847
Delta R.T. 0.010 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

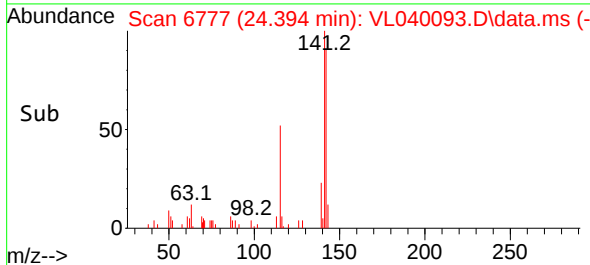
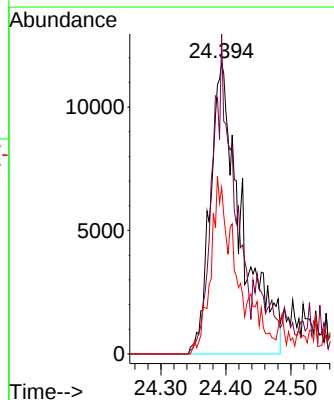
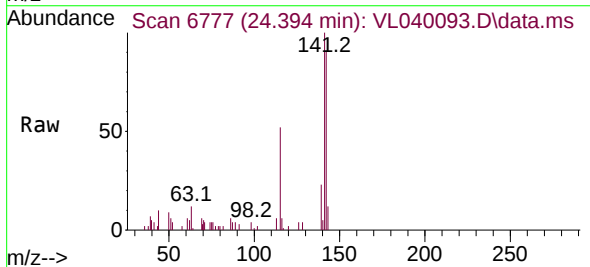
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

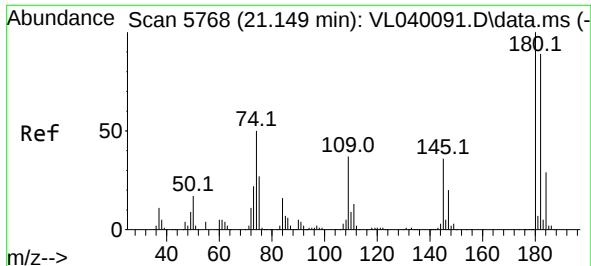
Tgt Ion:	128	Resp:	74575
Ion Ratio	Lower	Upper	
128	100		
127	14.4	10.3	15.5
129	9.8	8.8	13.2



#80
Naphthalene, 2-methyl-
Concen: 0.710 ppbv
RT: 24.394 min Scan# 6777
Delta R.T. 0.006 min
Lab File: VL040093.D
Acq: 16 Jan 2023 11:35

Tgt Ion:	142	Resp:	39137
Ion Ratio	Lower	Upper	
142	100		
141	90.3	65.0	97.6
115	52.3	31.8	47.8





#81

1,2,4-Trichlorobenzene

Concen: 0.500 ppbv

RT: 21.159 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL040093.D

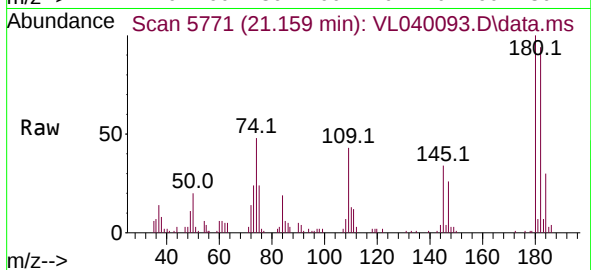
Acq: 16 Jan 2023 11:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 50386

Ion Ratio Lower Upper

180 100

182 181.8 78.6 117.8#

184 57.6 25.1 37.7#

