

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\Not Reviewed Data\
 Data File : VL040094.D
 Acq On : 16 Jan 2023 12:12
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jan 17 05:53:38 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	5.189	49	1086207	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2937047	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2644223	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2216342	10.085	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	109016	0.572	ppbv	96
3) Chlorodifluoromethane	2.661	51	69438	0.533	ppbv	98
4) Chloromethane	2.803	50	43646	0.542	ppbv	94
5) Vinyl Chloride	2.909	62	33952	0.497	ppbv	97
6) Bromomethane	3.108	94	11759	0.472	ppbv	82
7) Chloroethane	3.189	64	11963	0.458	ppbv	93
8) Dichlorotetrafluoroethane	2.845	85	91763	0.516	ppbv	96
9) Propene	2.684	41	26475	0.489	ppbv	97
10) Heptane	7.581	43	54981	0.441	ppbv	97
11) Trichlorofluoromethane	3.555	101	92992	0.489	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.057	101	70989	0.497	ppbv	94
13) Ethanol	3.243	45	2164	0.434	ppbv	87
14) Bromoethene	3.359	108	24780	0.467	ppbv #	94
15) Acetone	3.475	43	70083	0.538	ppbv	99
16) 1,3-Butadiene	2.973	39	30092	0.495	ppbv	98
17) tert-Butyl alcohol	3.890	59	29902	0.246	ppbv #	63
18) 1,1-Dichloroethene	3.874	96	30784	0.496	ppbv	93
19) Isopropyl Alcohol	3.587	45	27942	0.438	ppbv #	81
20) Methylene Chloride	3.925	84	16573	0.288	ppbv	88
21) Allyl Chloride	3.989	41	39004	0.466	ppbv	89
22) trans-1,2-Dichloroethene	4.443	96	31018	0.489	ppbv	93
23) Vinyl Acetate	4.632	43	12912	0.306	ppbv #	89
24) 1,1-Dichloroethane	4.562	63	66295	0.518	ppbv #	94
25) Ethyl Acetate	5.214	43	112126	0.489	ppbv	96
26) Hexane	5.211	57	50409	0.502	ppbv	97
27) Carbon Disulfide	4.121	76	46192	0.355	ppbv #	92
28) Methyl tert-Butyl Ether	4.597	73	56142	0.497	ppbv	100
29) Chloroform	5.272	83	77139	0.480	ppbv	84
30) Cyclohexane	6.603	84	31040	0.389	ppbv #	89
31) cis-1,2-Dichloroethene	5.076	61	45423	0.467	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	49132	0.301	ppbv #	46
34) 2-Butanone	4.800	43	65739	0.473	ppbv	98
35) Carbon Tetrachloride	6.494	117	78187	0.471	ppbv	95
36) Benzene	6.372	78	55221	0.254	ppbv	98
37) 1,2-Dichloroethane	5.803	62	69727	0.499	ppbv	99
38) Trichloroethene	7.295	130	58244	0.472	ppbv #	86
39) 1,2-Dichloropropane	7.079	63	41515	0.488	ppbv	95
40) 1,4-Dioxane	7.311	88	2672	0.079	ppbv #	1
41) Tetrahydrofuran	5.581	42	33879	0.423	ppbv	94
42) Bromodichloromethane	7.253	83	79741	0.423	ppbv	91
43) Methyl Methacrylate	7.481	69	30502	0.382	ppbv	90
44) 2,2,4-Trimethylpentane	7.333	57	167627	0.464	ppbv	97
45) t-1,3-Dichloropropene	8.706	75	6335	0.089	ppbv	94

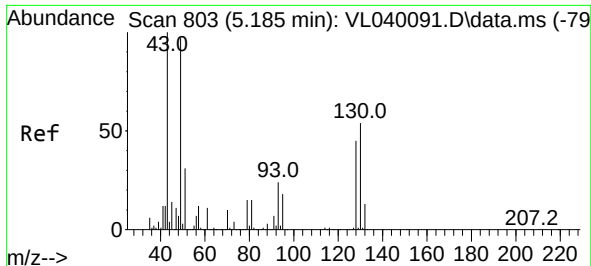
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 Data File : VL040094.D
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Instrument :
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 VSTDIC0.5

Quant Time: Jan 17 05:53:38 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)
46) cis-1,3-Dichloropropene	8.150	75	35420	0.364	ppbv	91
47) 1,1,2-Trichloroethane	8.899	97	18657	0.208	ppbv	90
48) Dibromochloromethane	9.722	129	56198	0.391	ppbv	96
49) Bromoform	12.417	173	38277	0.345	ppbv	96
50) 4-Methyl-2-Pentanone	8.201	43	37672	0.172	ppbv #	39
51) 2-Hexanone	9.578	43	59479	0.359	ppbv #	99
52) Tetrachloroethene	10.626	164	15973	0.225	ppbv	93
53) Toluene	9.227	91	95034	0.410	ppbv	97
54) 1,2-Dibromoethane	10.015	107	42605	0.455	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.513	131	40797	0.396	ppbv #	1
57) Chlorobenzene	11.536	112	45193	0.251	ppbv	91
58) Ethyl Benzene	12.102	91	125069	0.424	ppbv	99
59) m/p-Xylene	12.378	91	138391	0.522	ppbv #	60
60) o-Xylene	13.069	91	107022	0.425	ppbv	100
61) Styrene	12.912	104	46052	0.351	ppbv	95
62) Isopropylbenzene	14.037	105	168133	0.464	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.060	83	15192	0.166	ppbv #	21
64) n-propylbenzene	14.928	120	21272	0.236	ppbv #	1
65) tert-Butylbenzene	16.111	119	134720	0.434	ppbv	90
66) Benzyl Chloride	16.336	91	2143	0.101	ppbv #	80
67) sec-Butylbenzene	16.651	105	192519	0.438	ppbv	96
69) p-Isopropyltoluene	17.008	119	142497	0.412	ppbv	93
70) n-Butylbenzene	17.905	91	153918	0.413	ppbv	98
71) 2-Chlorotoluene	14.812	91	124174	0.446	ppbv	95
72) 4-Ethyltoluene	15.204	105	59684	0.214	ppbv #	49
73) 1,3,5-Trimethylbenzene	15.368	105	63163	0.251	ppbv #	69
74) 1,2,4-Trimethylbenzene	16.124	105	121448	0.436	ppbv #	92
75) 1,3-Dichlorobenzene	16.339	146	34731	0.224	ppbv #	13
76) 1,4-Dichlorobenzene	16.490	146	63503	0.417	ppbv	91
77) 1,2-Dichlorobenzene	17.153	146	27306	0.184	ppbv #	22
78) Hexachloro-1,3-Butadiene	22.648	225	34248	0.316	ppbv #	18
79) Naphthalene	21.407	128	23386	0.146	ppbv #	87
80) Naphthalene,2-methyl-	24.394	142	16899	0.314	ppbv #	88
81) 1,2,4-Trichlorobenzene	21.166	180	23380	0.238	ppbv #	44

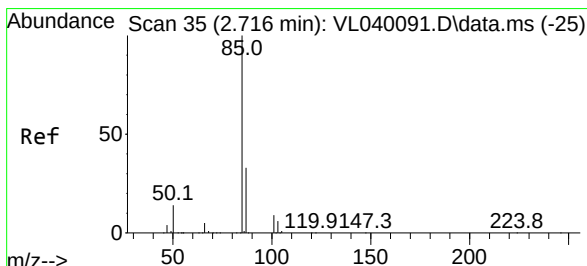
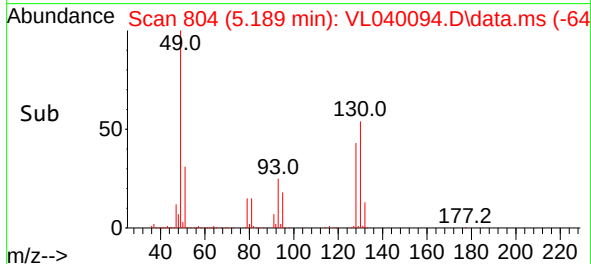
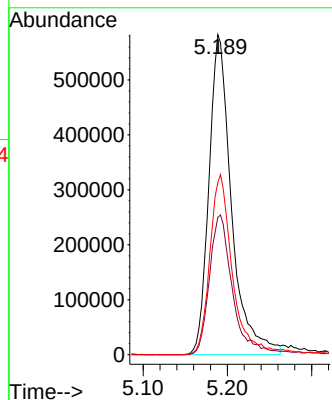
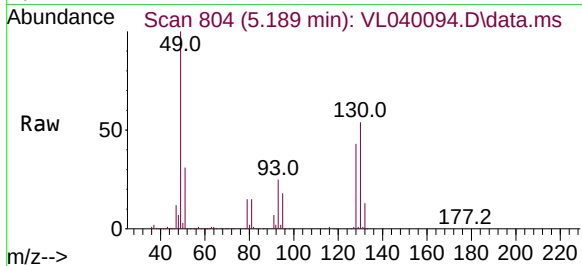
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

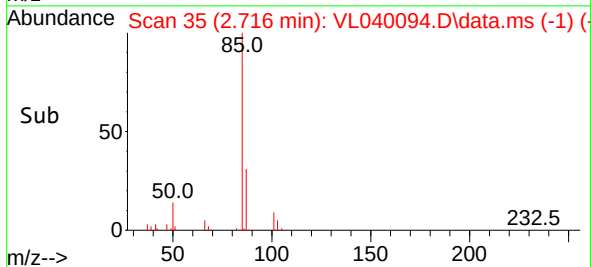
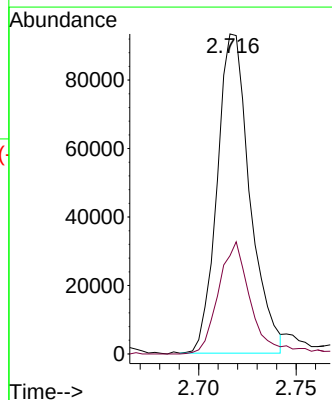
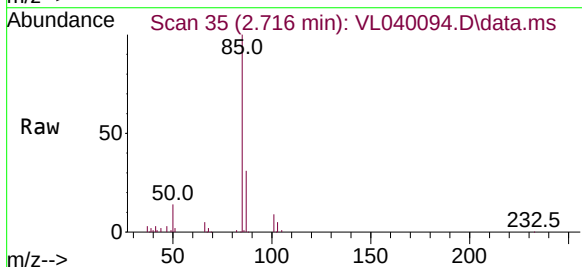
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MSVOA_L
ClientSampleId :
VSTDIC0.5

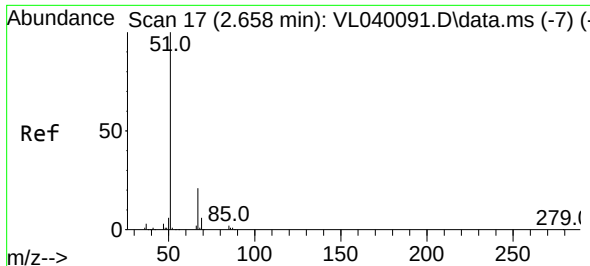
Tgt Ion: 49 Resp: 1086207
Ion Ratio Lower Upper
49 100
128 45.6 23.6 71.0
130 57.8 29.8 89.3



#2
Dichlorodifluoromethane
Concen: 0.572 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 85 Resp: 109016
Ion Ratio Lower Upper
85 100
87 30.8 26.5 39.7

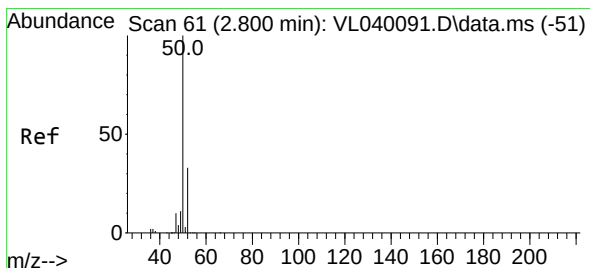
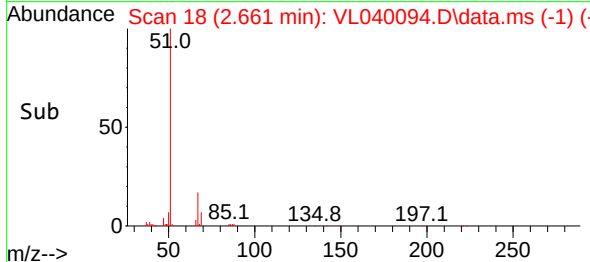
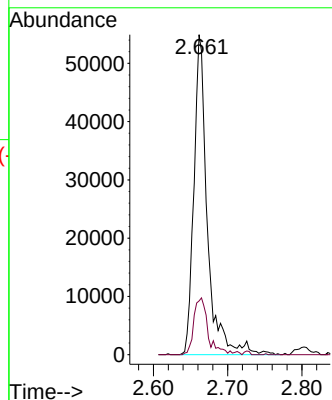
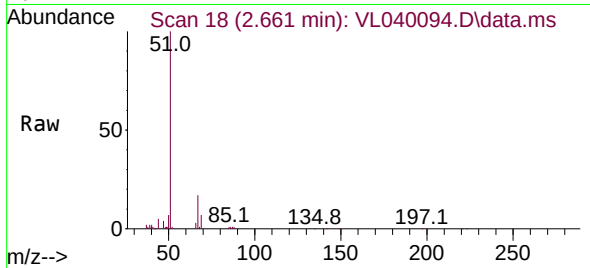




#3
Chlorodifluoromethane
Concen: 0.533 ppbv
RT: 2.661 min Scan# 18
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

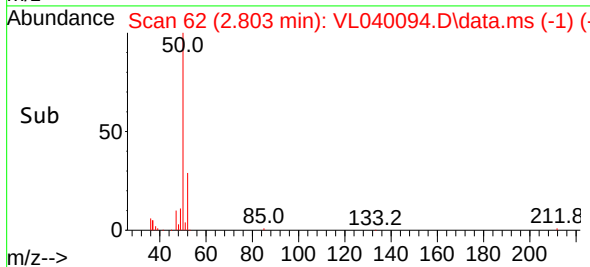
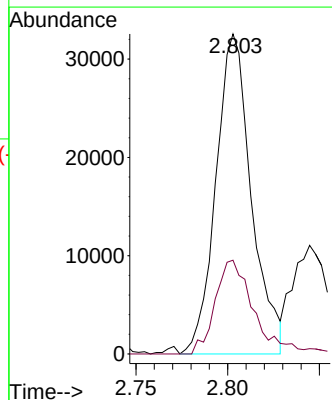
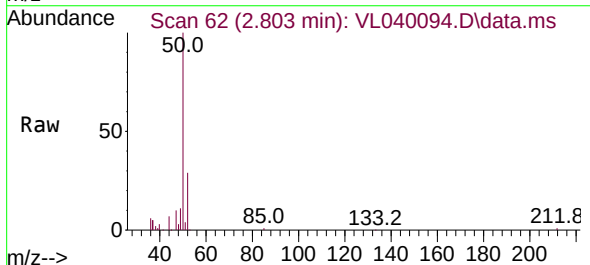
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ClientSampleId :
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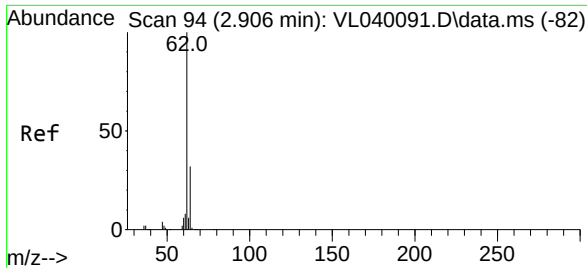
Tgt Ion: 51 Resp: 69438
Ion Ratio Lower Upper
51 100
67 19.5 16.4 24.6



#4
Chloromethane
Concen: 0.542 ppbv
RT: 2.803 min Scan# 62
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 50 Resp: 43646
Ion Ratio Lower Upper
50 100
52 29.8 26.5 39.7

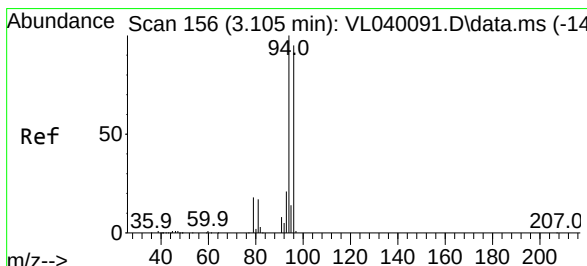
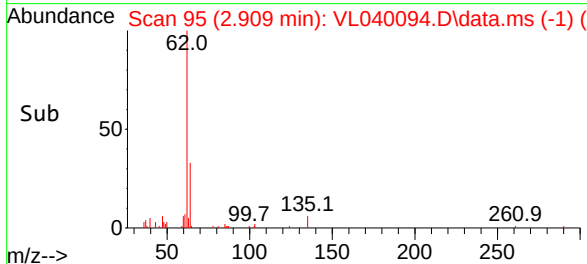
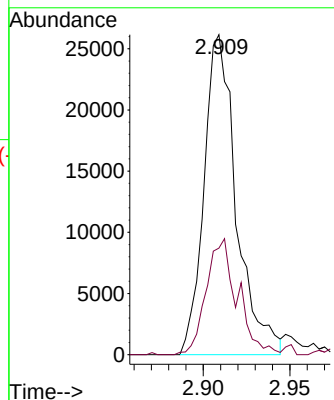
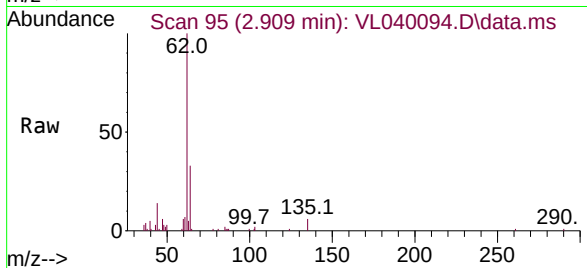




#5
 Vinyl Chloride
 Concen: 0.497 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

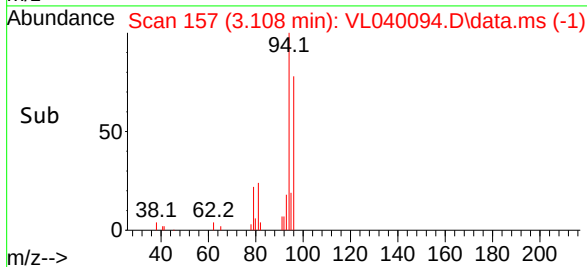
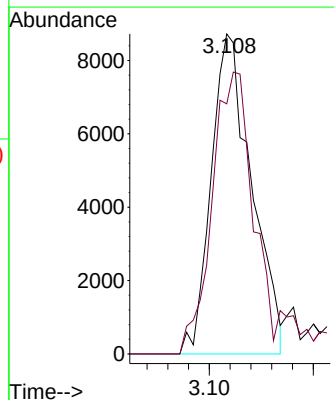
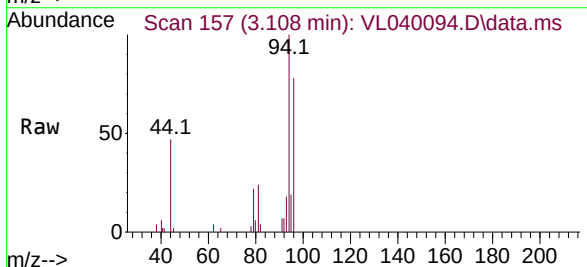
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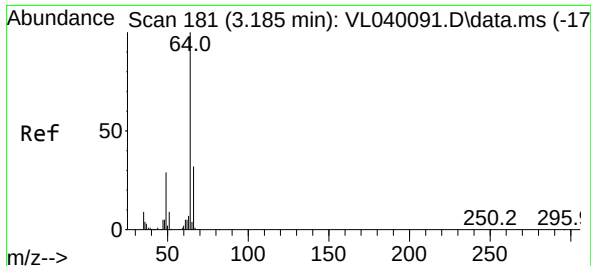
Tgt Ion: 62 Resp: 33952
 Ion Ratio Lower Upper
 62 100
 64 34.1 25.8 38.6



#6
 Bromomethane
 Concen: 0.472 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

Tgt Ion: 94 Resp: 11759
 Ion Ratio Lower Upper
 94 100
 96 78.1 76.2 114.2

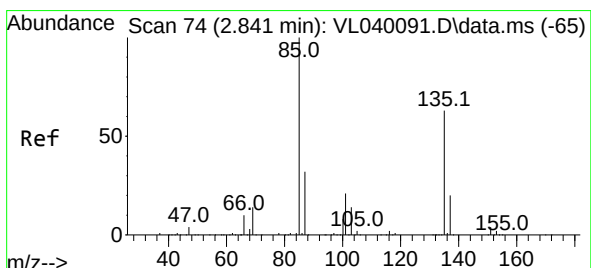
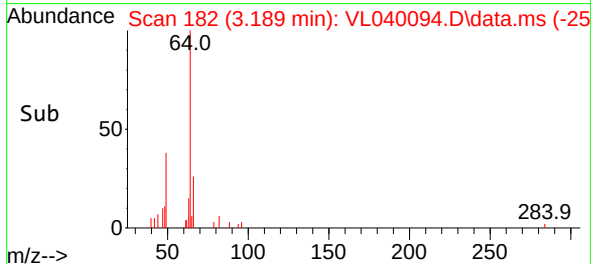
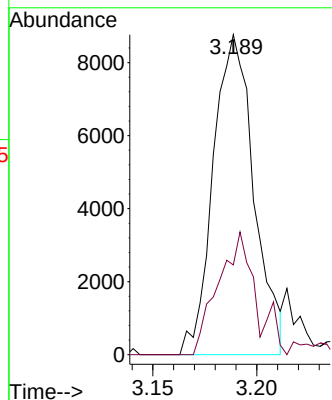
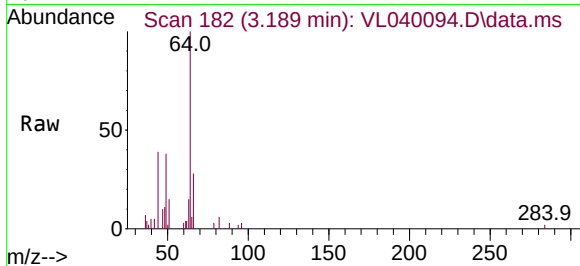




#7
Chloroethane
Concen: 0.458 ppbv
RT: 3.189 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

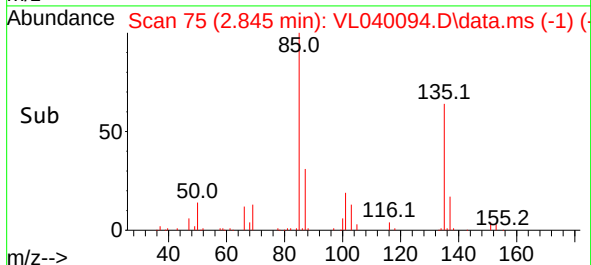
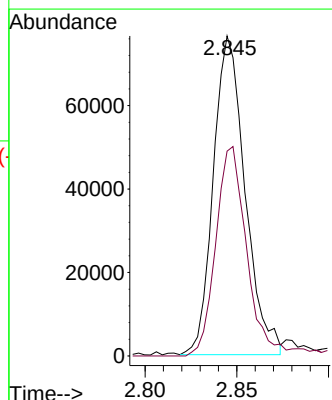
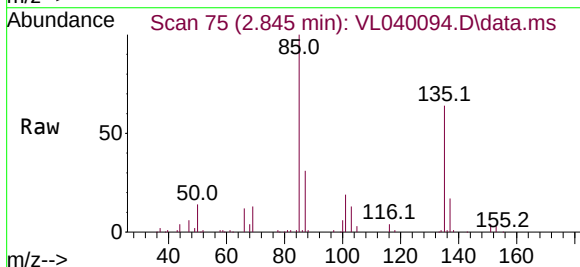
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ClientSampleId :
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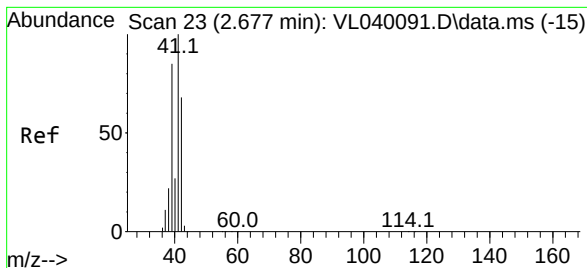
Tgt Ion: 64 Resp: 11963
Ion Ratio Lower Upper
64 100
66 28.0 25.6 38.4



#8
Dichlorotetrafluoroethane
Concen: 0.516 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 85 Resp: 91763
Ion Ratio Lower Upper
85 100
135 67.5 51.4 77.2





#9

Propene

Concen: 0.489 ppbv

RT: 2.684 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_1

ClientSampleId :

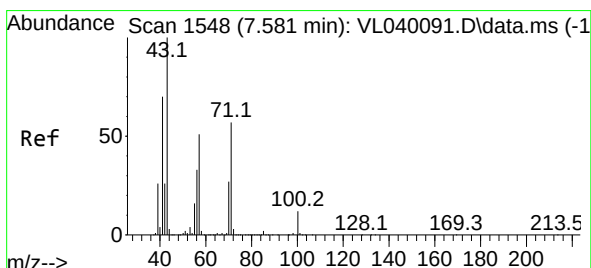
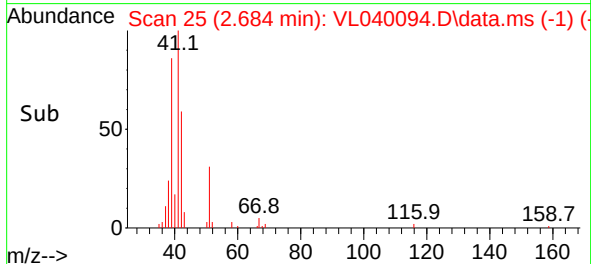
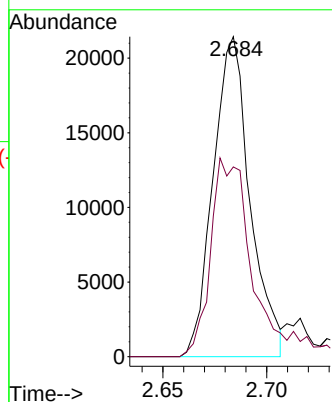
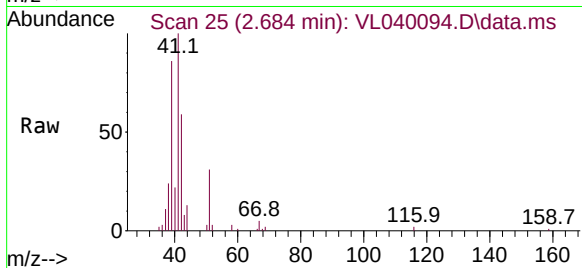
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Tgt Ion: 41 Resp: 26475

Ion Ratio Lower Upper

41 100

42 72.3 55.6 83.4



#10

Heptane

Concen: 0.441 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.000 min

Lab File: VL040094.D

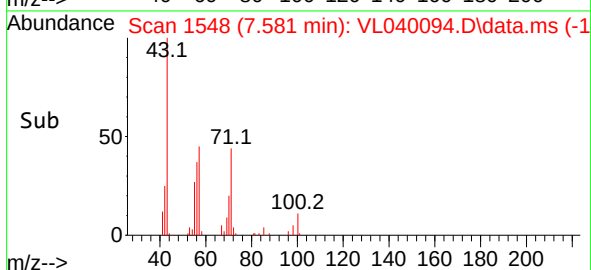
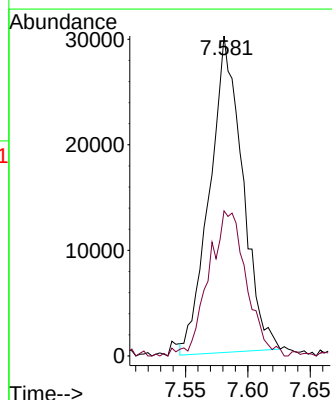
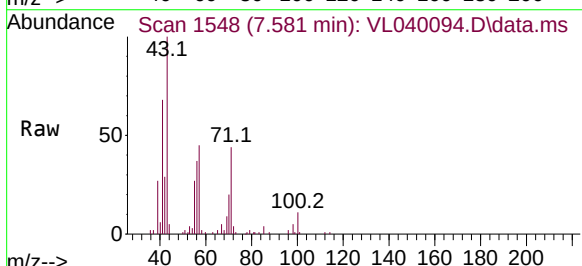
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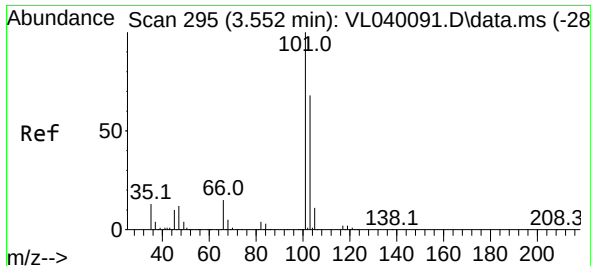
Tgt Ion: 43 Resp: 54981

Ion Ratio Lower Upper

43 100

57 53.4 40.9 61.3

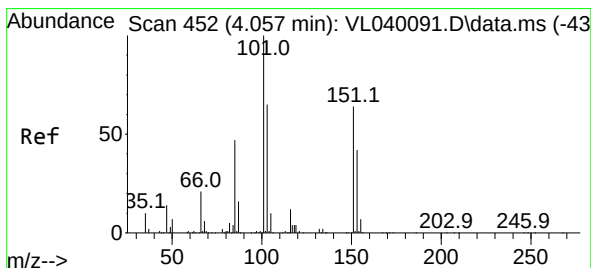
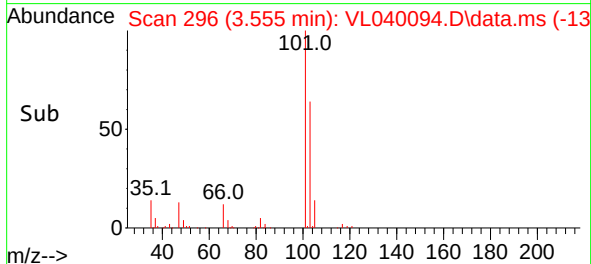
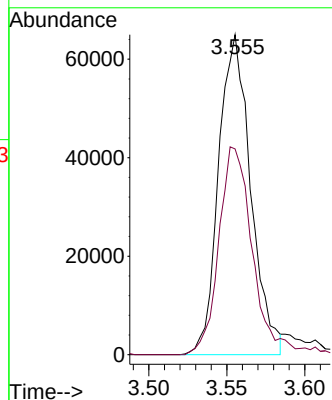
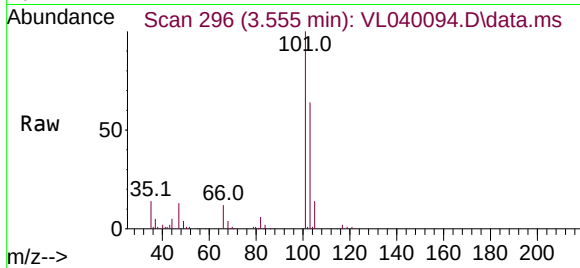




#11
 Trichlorofluoromethane
 Concen: 0.489 ppbv
 RT: 3.555 min Scan# 295
 Delta R.T. 0.003 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

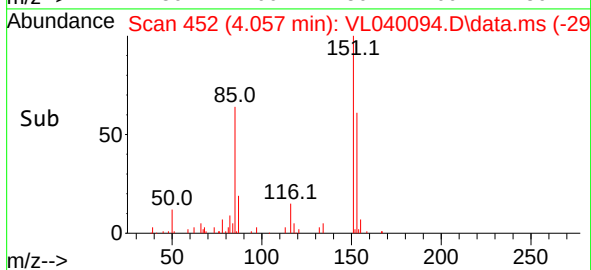
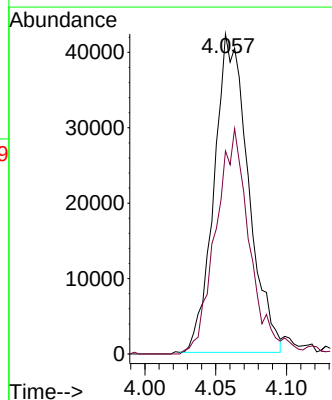
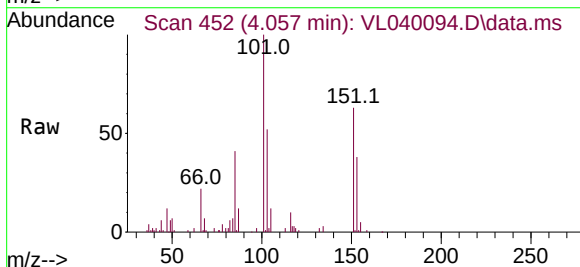
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 ClientSampleId :
 VSTDIC0.5

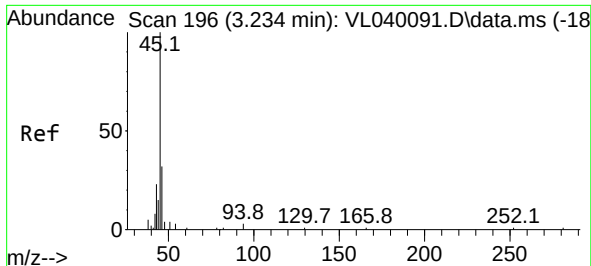
Tgt Ion:101 Resp: 92992
 Ion Ratio Lower Upper
 101 100
 103 64.3 54.0 81.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.497 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. 0.000 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

Tgt Ion:101 Resp: 70989
 Ion Ratio Lower Upper
 101 100
 151 71.5 53.2 79.8

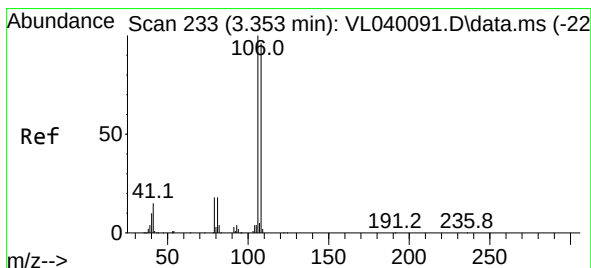
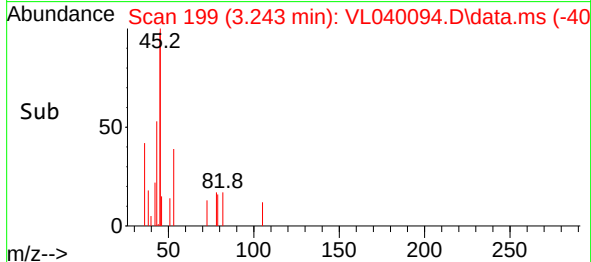
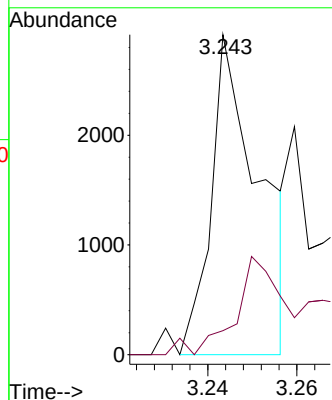
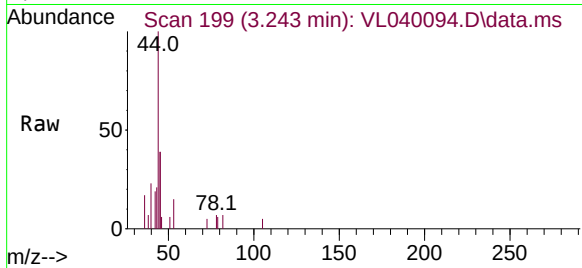




#13
 Ethanol
 Concen: 0.434 ppbv
 RT: 3.243 min Scan# 196
 Delta R.T. 0.010 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

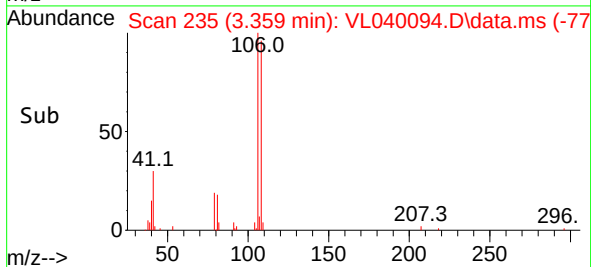
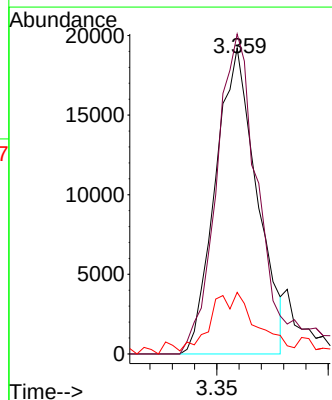
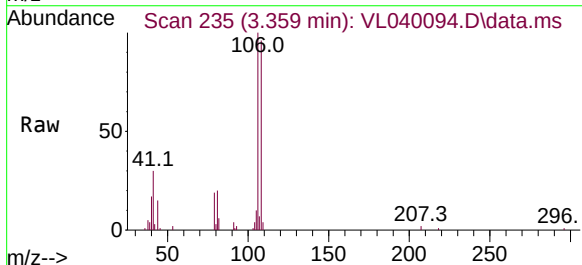
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

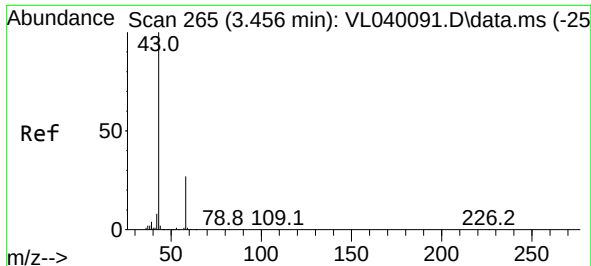
Tgt Ion: 45 Resp: 2164
 Ion Ratio Lower Upper
 45 100
 46 44.9 14.8 59.2



#14
 Bromoethene
 Concen: 0.467 ppbv
 RT: 3.359 min Scan# 235
 Delta R.T. 0.006 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

Tgt Ion: 108 Resp: 24780
 Ion Ratio Lower Upper
 108 100
 106 113.9 87.0 130.6
 79 26.5 16.1 24.1#





#15

Acetone

Concen: 0.538 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.019 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

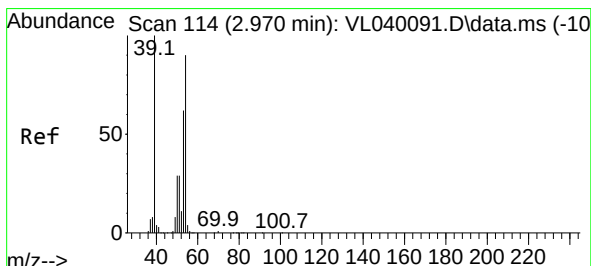
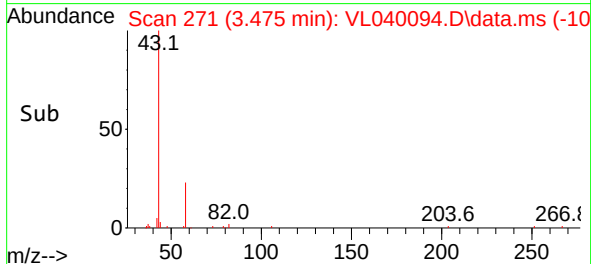
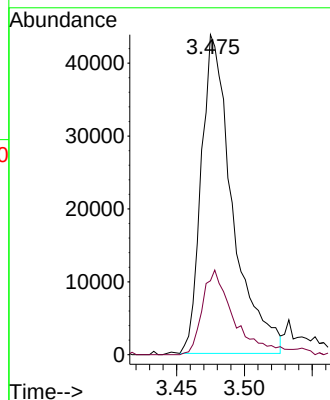
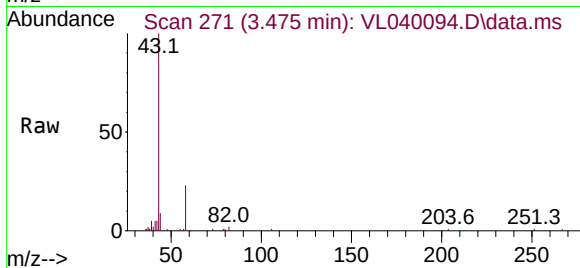
VSTDIC0.5

Tgt Ion: 43 Resp: 70083

Ion Ratio Lower Upper

43 100

58 27.9 21.8 32.8



#16

1,3-Butadiene

Concen: 0.495 ppbv

RT: 2.973 min Scan# 115

Delta R.T. 0.003 min

Lab File: VL040094.D

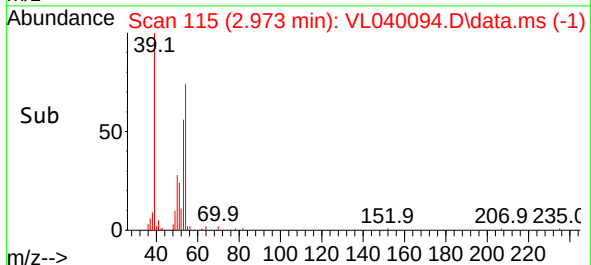
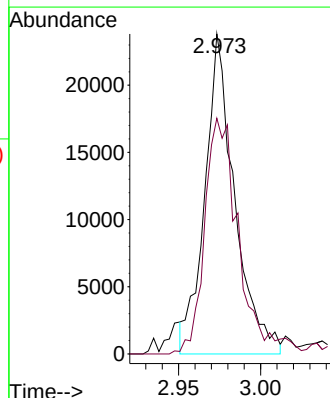
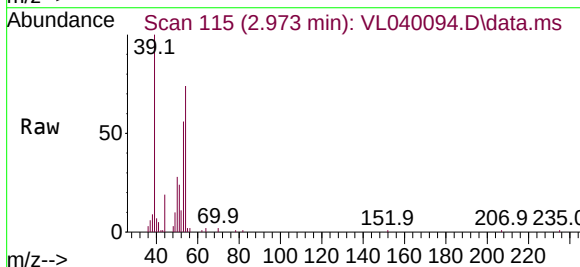
Acq: 16 Jan 2023 12:12

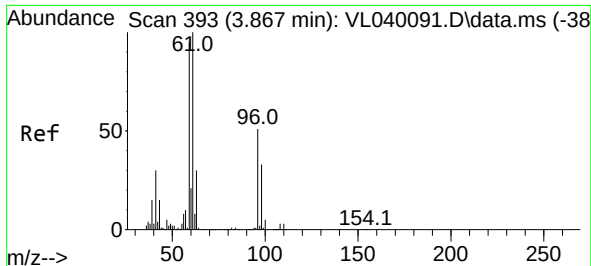
Tgt Ion: 39 Resp: 30092

Ion Ratio Lower Upper

39 100

54 86.8 67.9 101.9





#17

tert-Butyl alcohol

Concen: 0.246 ppbv

RT: 3.890 min Scan# 40

Delta R.T. 0.023 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

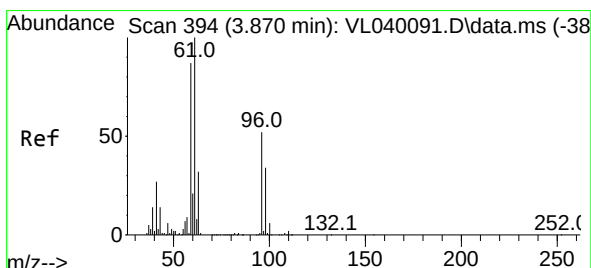
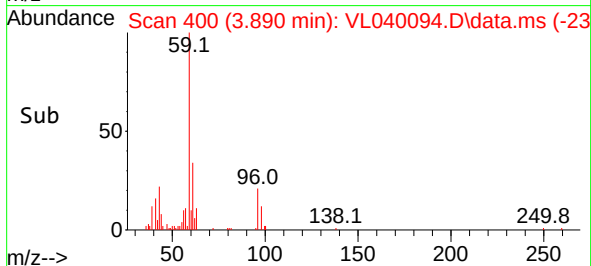
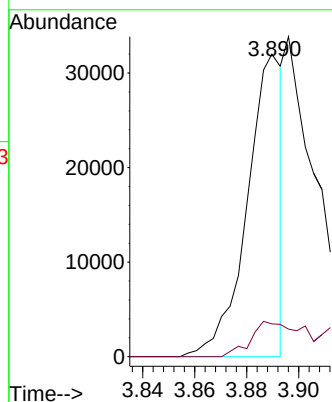
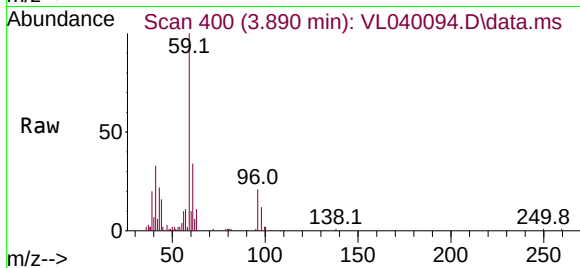
VSTDICC0.5

Tgt Ion: 59 Resp: 29902

Ion Ratio Lower Upper

59 100

57 24.6 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.496 ppbv

RT: 3.874 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

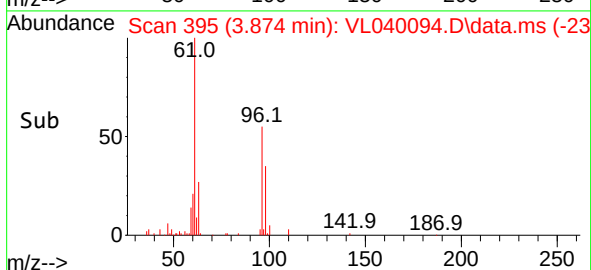
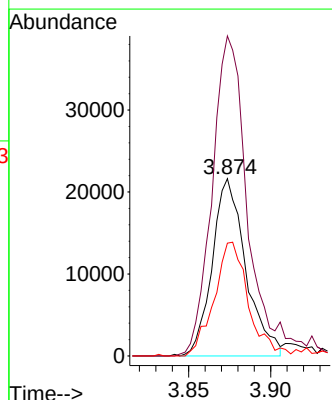
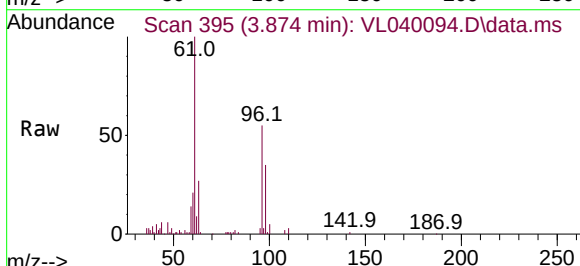
Tgt Ion: 96 Resp: 30784

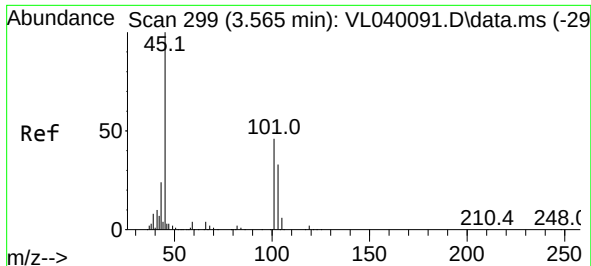
Ion Ratio Lower Upper

96 100

61 179.4 153.0 229.4

98 63.6 52.7 79.1

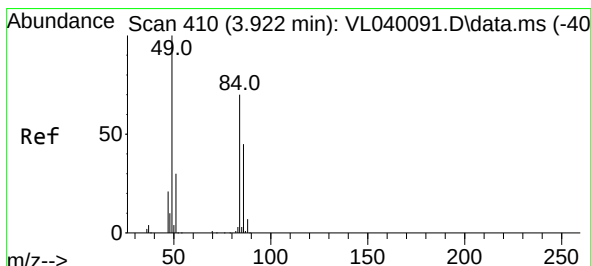
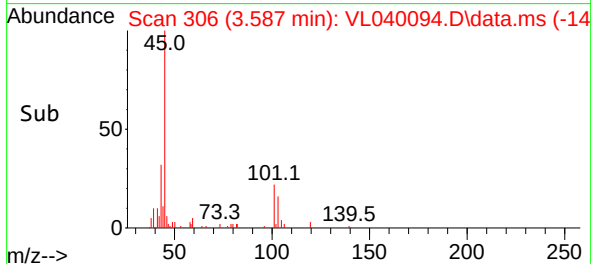
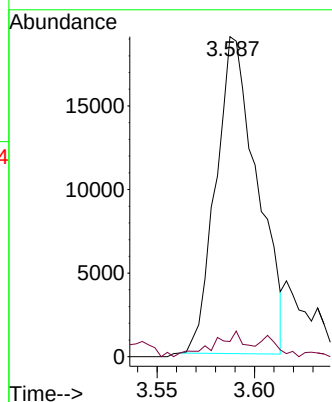
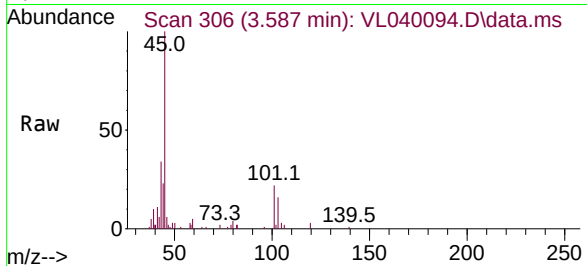




#19
Isopropyl Alcohol
Concen: 0.438 ppbv
RT: 3.587 min Scan# 306
Delta R.T. 0.023 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

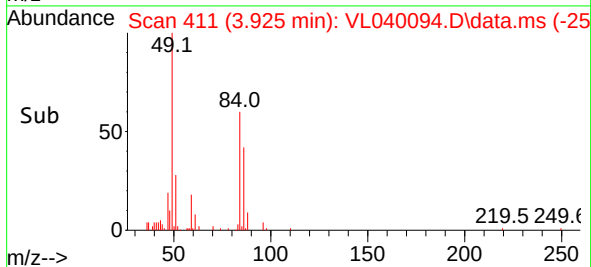
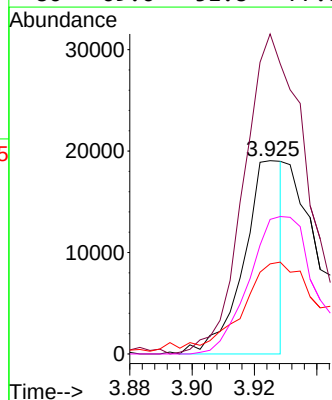
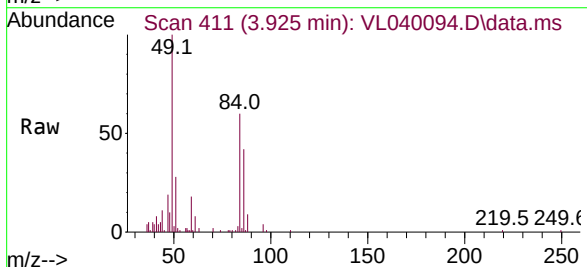
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

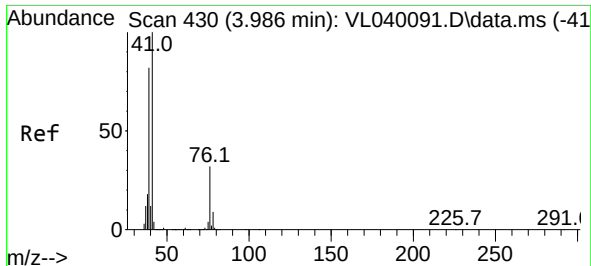
Tgt Ion: 45 Resp: 27942
Ion Ratio Lower Upper
45 100
58 9.4 2.6 4.0#



#20
Methylene Chloride
Concen: 0.288 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 84 Resp: 16573
Ion Ratio Lower Upper
84 100
49 164.7 114.6 171.8
51 43.6 34.3 51.5
86 69.6 51.8 77.8





#21

Allyl Chloride

Concen: 0.466 ppbv

RT: 3.989 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

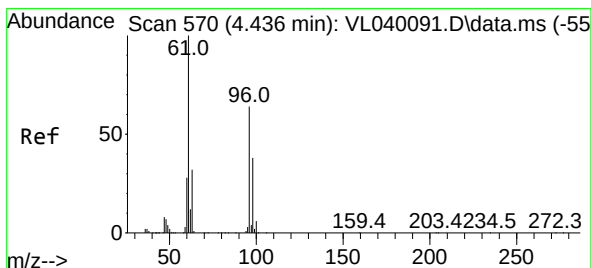
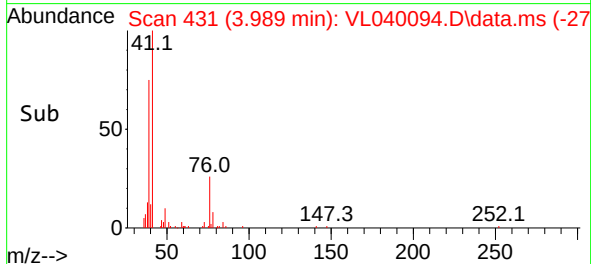
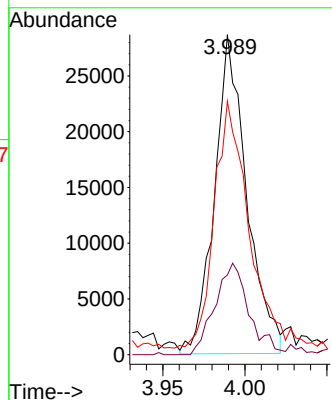
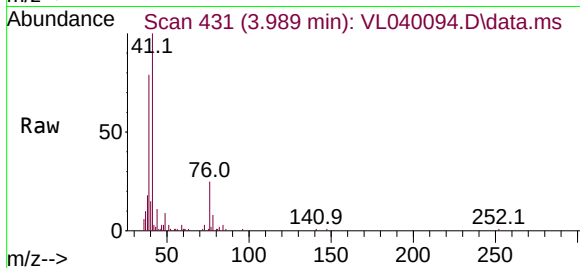
Tgt Ion: 41 Resp: 39004

Ion Ratio Lower Upper

41 100

76 31.8 25.9 38.9

39 96.9 66.8 100.2



#22

trans-1,2-Dichloroethene

Concen: 0.489 ppbv

RT: 4.443 min Scan# 572

Delta R.T. 0.006 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

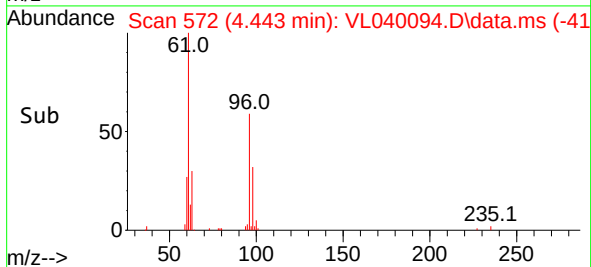
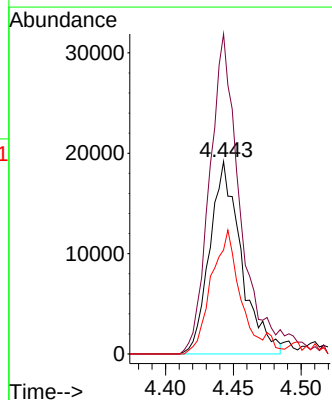
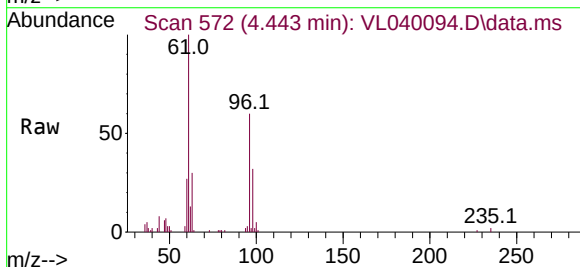
Tgt Ion: 96 Resp: 31018

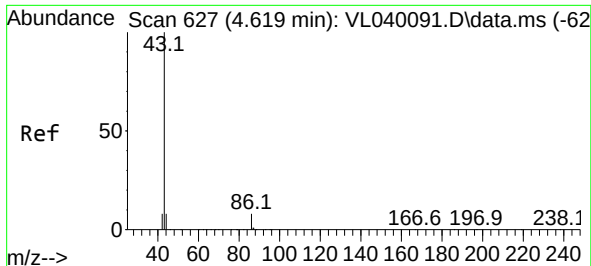
Ion Ratio Lower Upper

96 100

61 166.3 125.8 188.8

98 54.0 47.4 71.2



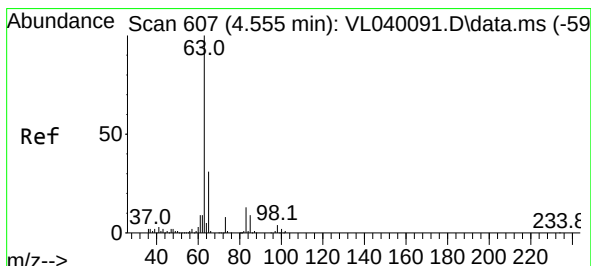
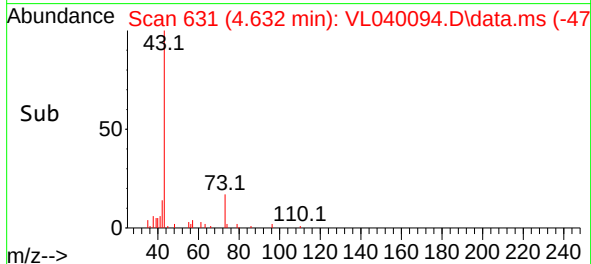
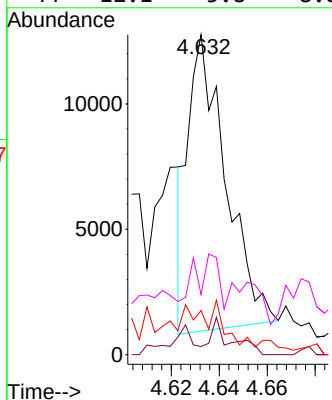
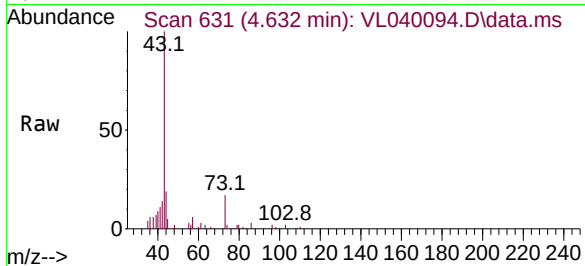


#23
Vinyl Acetate
Concen: 0.306 ppbv
RT: 4.632 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 12912

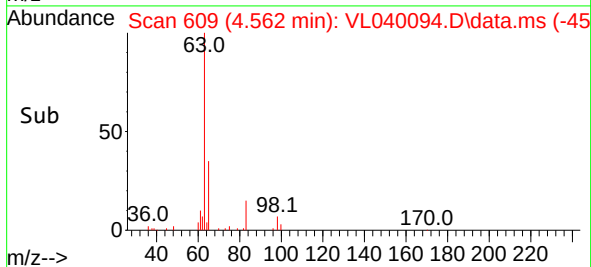
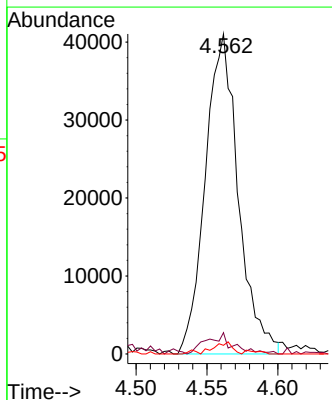
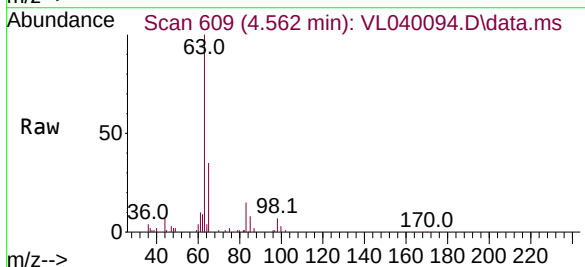
Ion	Ratio	Lower	Upper
43	100		
86	2.9	5.6	8.4#
42	12.8	7.7	11.5#
44	12.1	5.8	8.8#

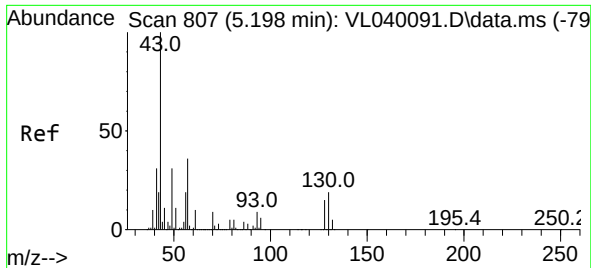


#24
1,1-Dichloroethane
Concen: 0.518 ppbv
RT: 4.562 min Scan# 609
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 63 Resp: 66295

Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.0	5.8#
100	2.7	1.1	3.5



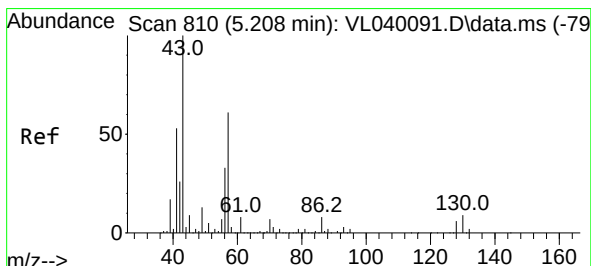
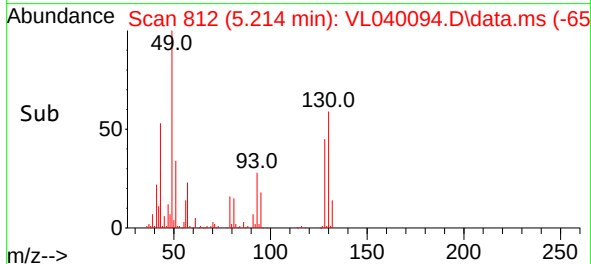
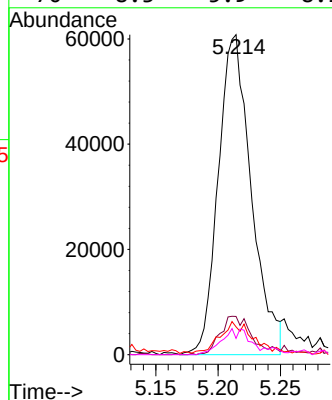
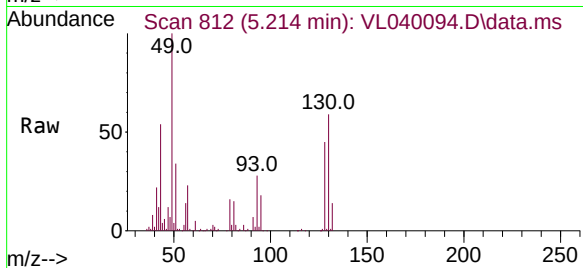


#25
Ethyl Acetate
Concen: 0.489 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.016 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 43 Resp: 112126

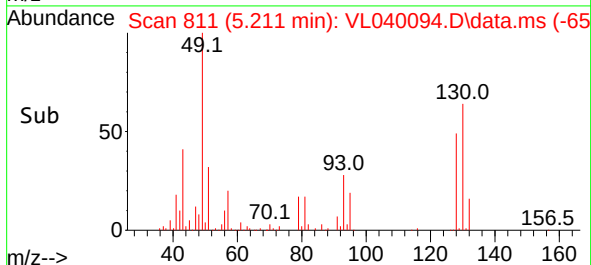
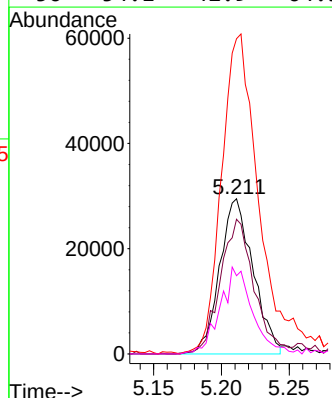
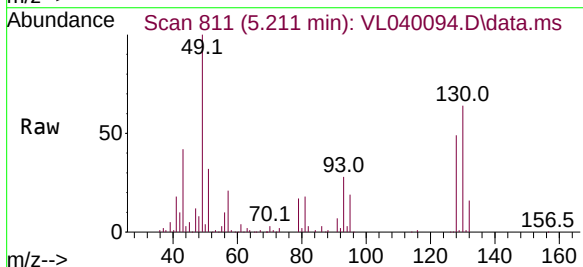
Ion	Ratio	Lower	Upper
43	100		
45	12.4	8.5	12.7
61	11.6	8.4	12.6
70	8.3	5.9	8.9

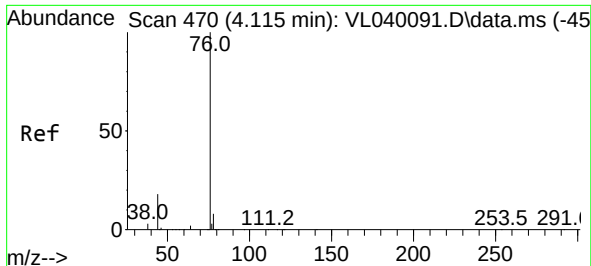


#26
Hexane
Concen: 0.502 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 57 Resp: 50409

Ion	Ratio	Lower	Upper
57	100		
41	94.1	72.2	108.4
43	245.0	192.1	288.1
56	54.1	42.9	64.3

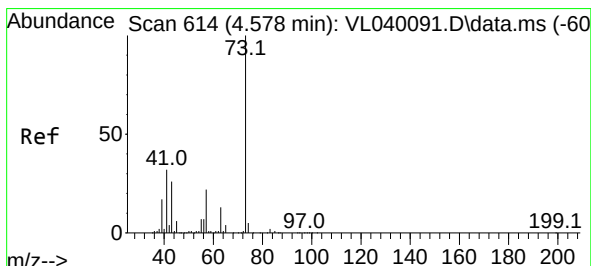
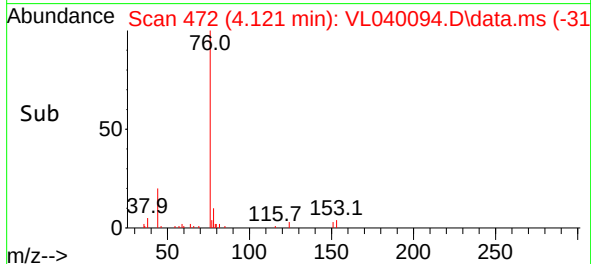
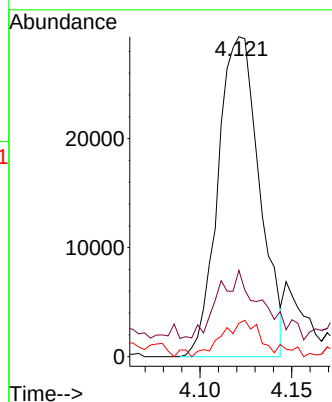
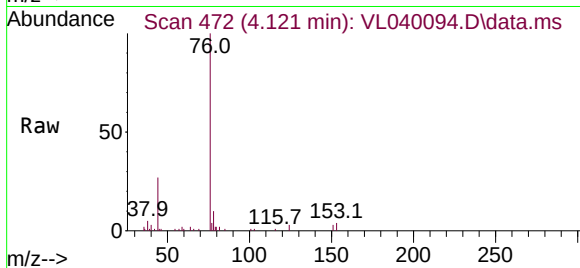




#27
Carbon Disulfide
Concen: 0.355 ppbv
RT: 4.121 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

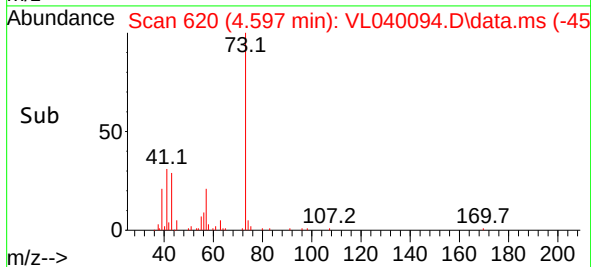
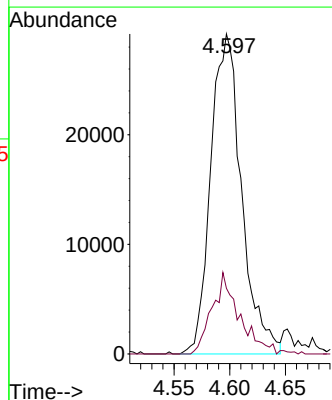
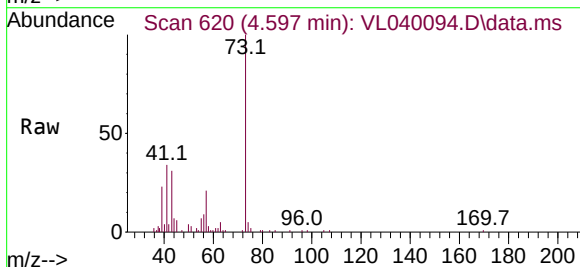
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

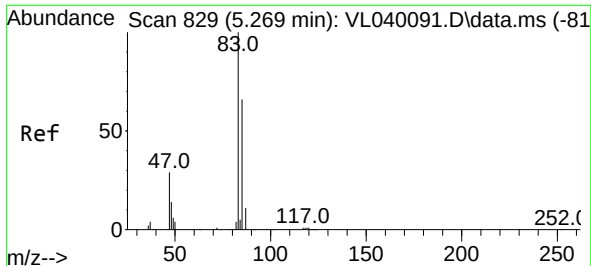
Tgt Ion: 76 Resp: 46192
Ion Ratio Lower Upper
76 100
44 23.4 14.9 22.3#
78 11.6 8.2 12.2



#28
Methyl tert-Butyl Ether
Concen: 0.497 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.019 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 73 Resp: 56142
Ion Ratio Lower Upper
73 100
57 22.8 18.3 27.5





#29

Chloroform

Concen: 0.480 ppbv

RT: 5.272 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_1

ClientSampleId :

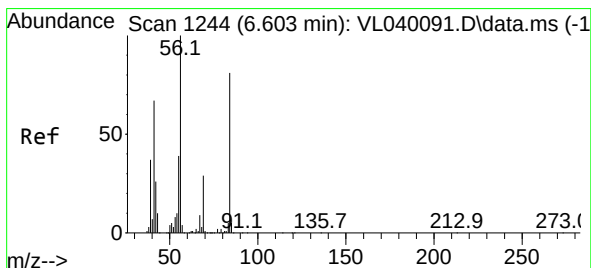
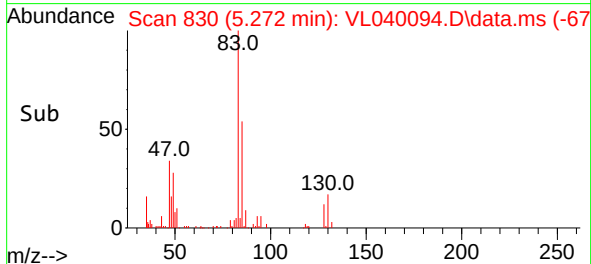
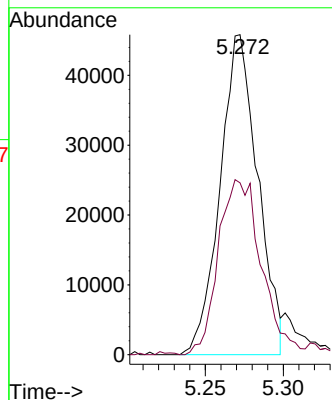
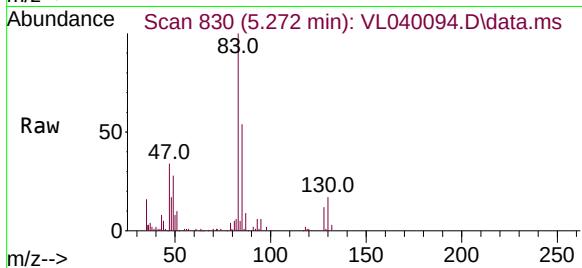
VSTDIC0.5

Tgt Ion: 83 Resp: 77139

Ion Ratio Lower Upper

83 100

85 53.7 53.1 79.7



#30

Cyclohexane

Concen: 0.389 ppbv

RT: 6.603 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

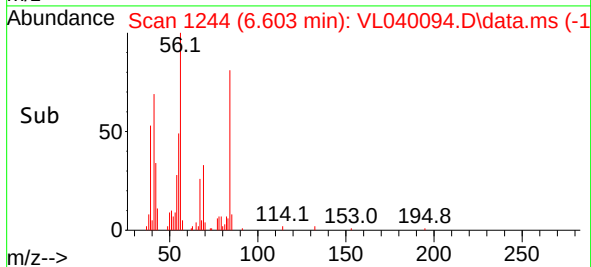
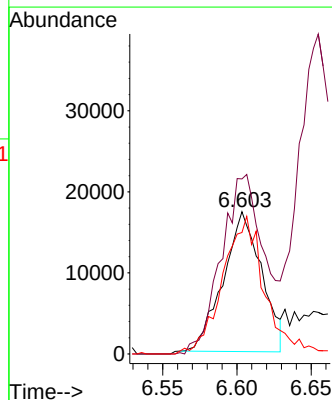
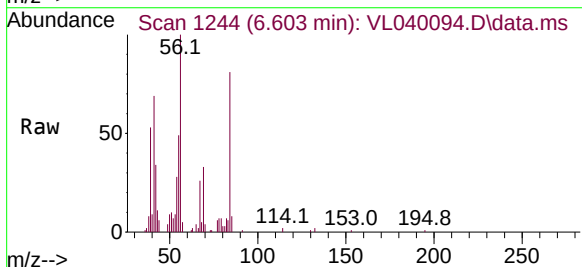
Tgt Ion: 84 Resp: 31040

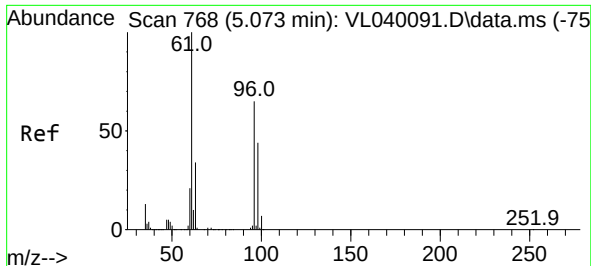
Ion Ratio Lower Upper

84 100

56 144.4 111.5 167.3

41 108.8 71.4 107.0#

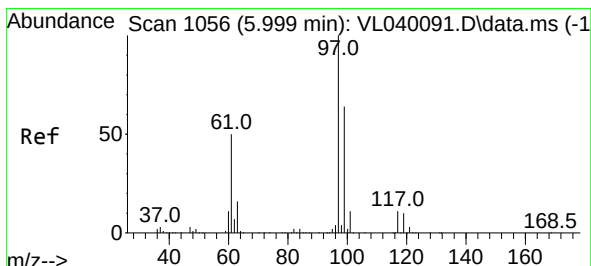
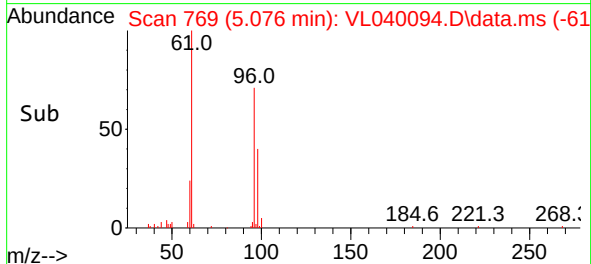
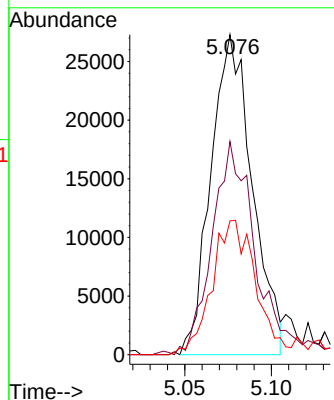
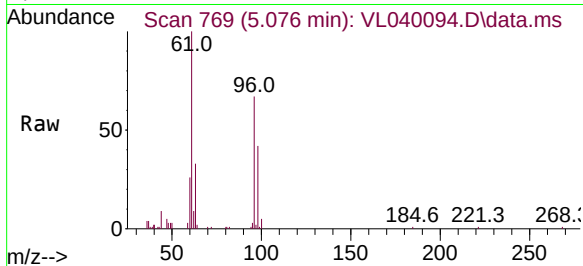




#31
 cis-1,2-Dichloroethene
 Concen: 0.467 ppbv
 RT: 5.076 min Scan# 768
 Delta R.T. 0.003 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

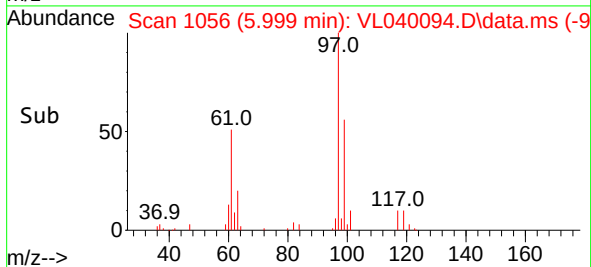
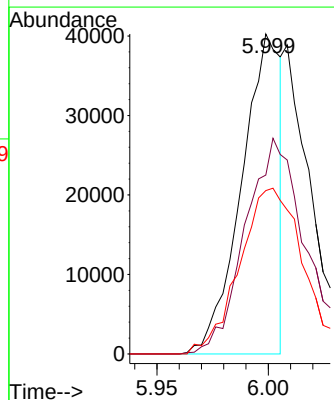
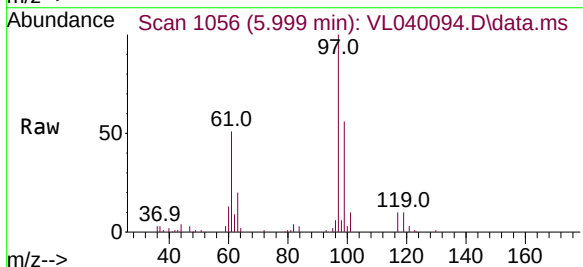
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

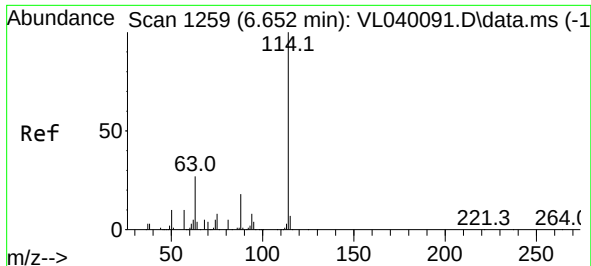
Tgt Ion:	61	Resp:	45423
Ion	Ratio	Lower	Upper
61	100		
96	64.0	52.0	78.0
98	39.7	35.3	52.9



#32
 1,1,1-Trichloroethane
 Concen: 0.301 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. 0.000 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

Tgt Ion:	97	Resp:	49132
Ion	Ratio	Lower	Upper
97	100		
99	106.6	51.8	77.6#
61	87.8	40.4	60.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

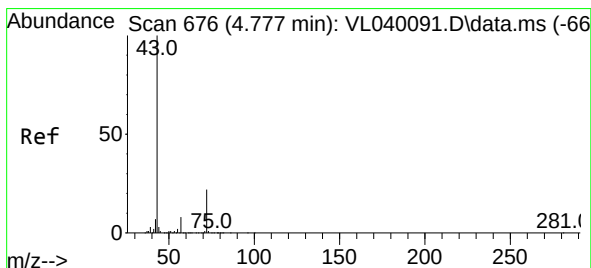
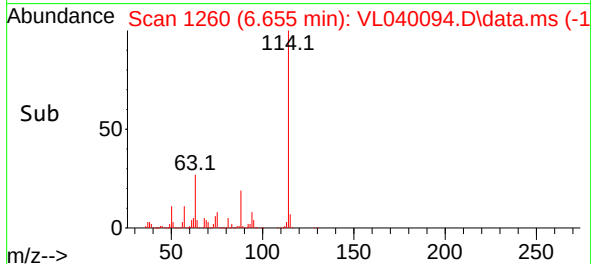
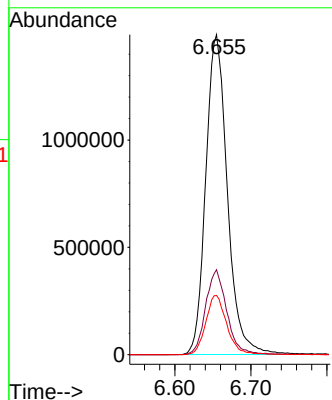
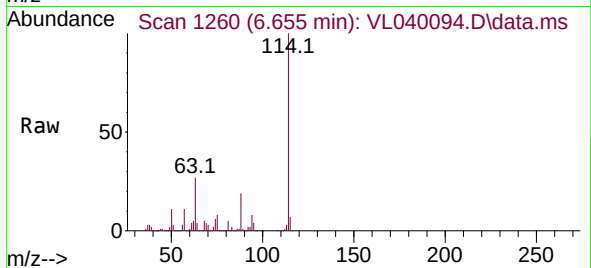
Tgt Ion:114 Resp: 2937047

Ion Ratio Lower Upper

114 100

63 26.3 21.8 32.8

88 18.2 14.8 22.2



#34

2-Butanone

Concen: 0.473 ppbv

RT: 4.800 min Scan# 683

Delta R.T. 0.023 min

Lab File: VL040094.D

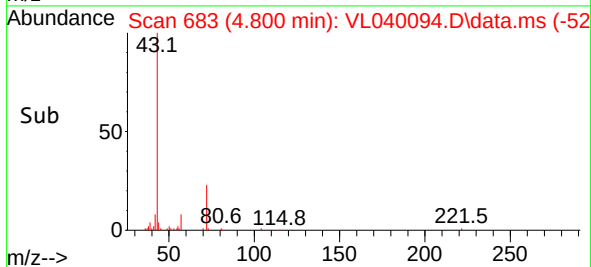
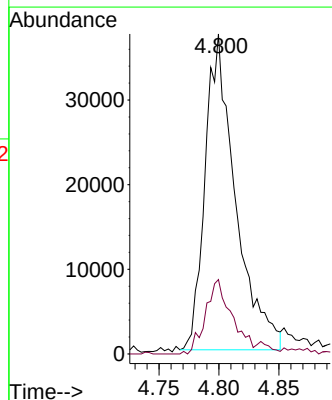
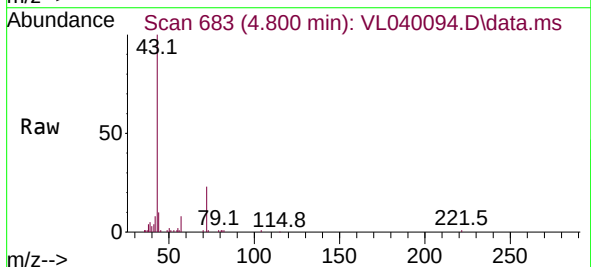
Acq: 16 Jan 2023 12:12

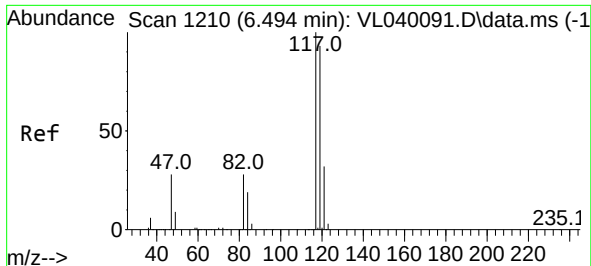
Tgt Ion: 43 Resp: 65739

Ion Ratio Lower Upper

43 100

72 24.0 18.4 27.6

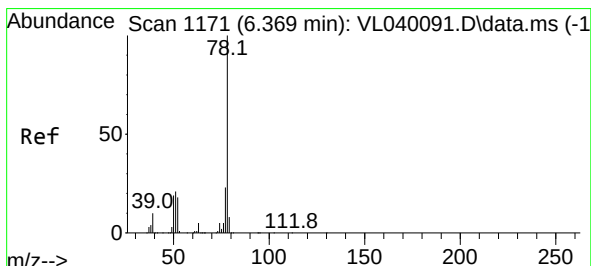
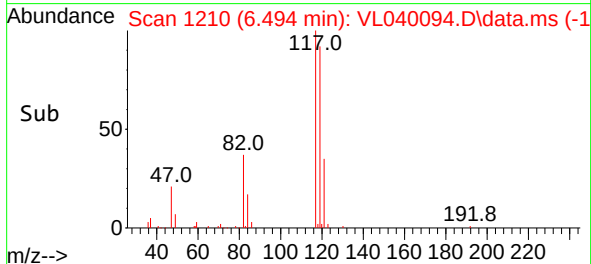
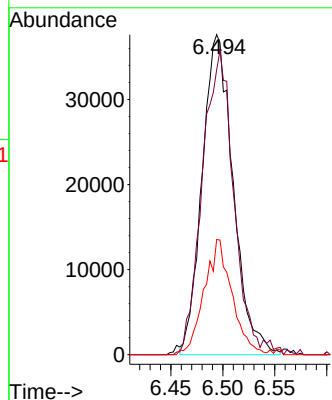
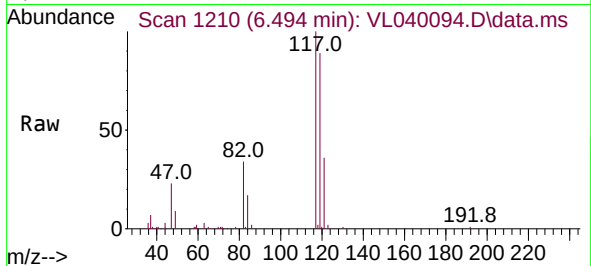




#35
Carbon Tetrachloride
Concen: 0.471 ppbv
RT: 6.494 min Scan# 1171
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

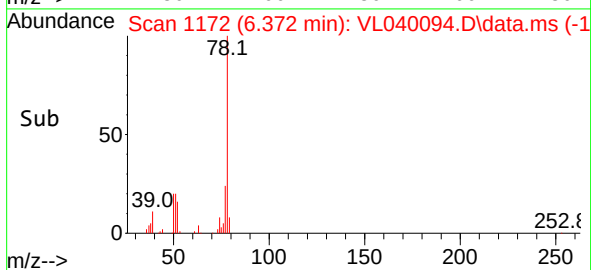
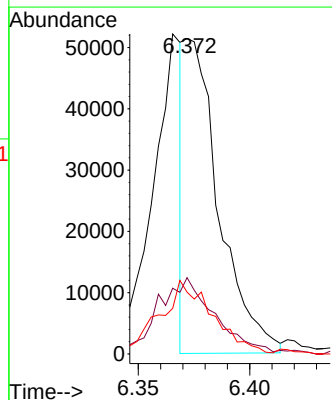
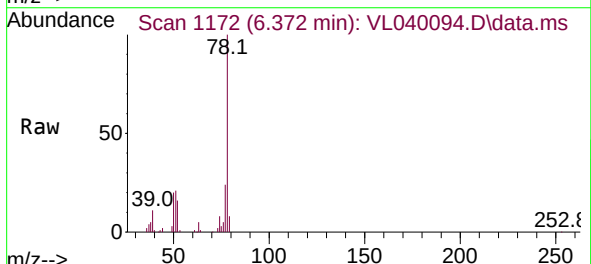
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

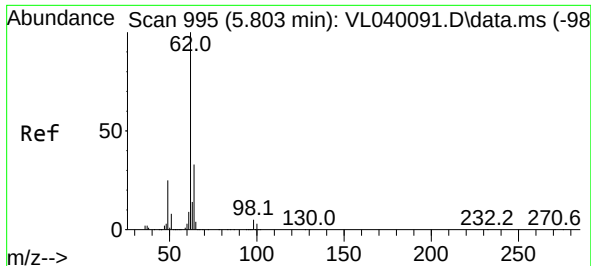
Tgt Ion:117 Resp: 78187
Ion Ratio Lower Upper
117 100
119 88.9 74.5 111.7
121 34.8 25.4 38.0



#36
Benzene
Concen: 0.254 ppbv
RT: 6.372 min Scan# 1172
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 78 Resp: 55221
Ion Ratio Lower Upper
78 100
77 23.9 18.1 27.1
50 18.7 15.6 23.4

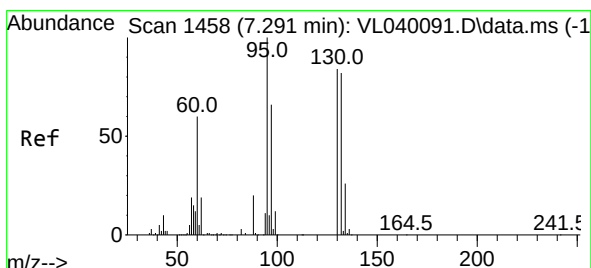
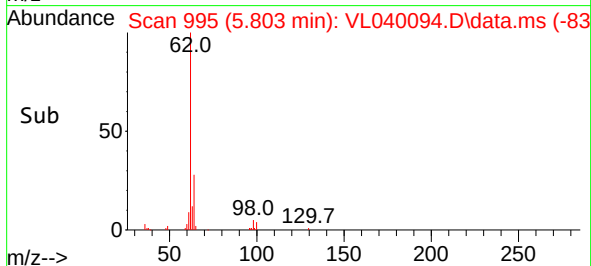
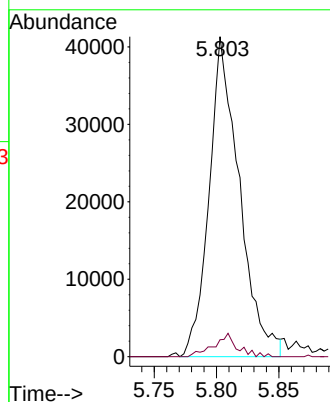
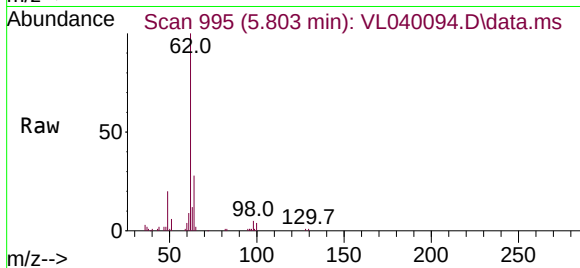




#37
1,2-Dichloroethane
Concen: 0.499 ppbv
RT: 5.803 min Scan# 995
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

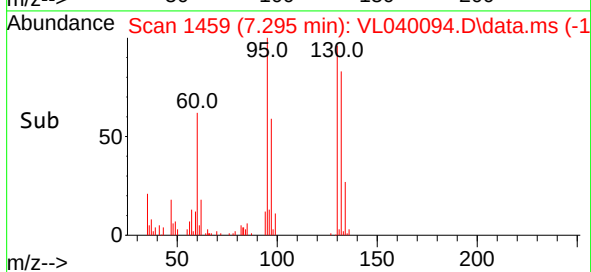
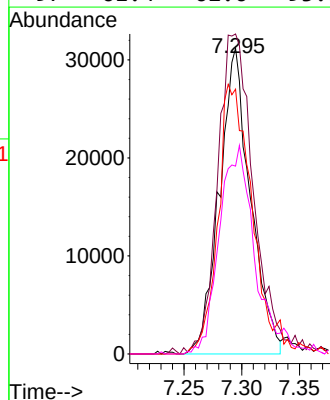
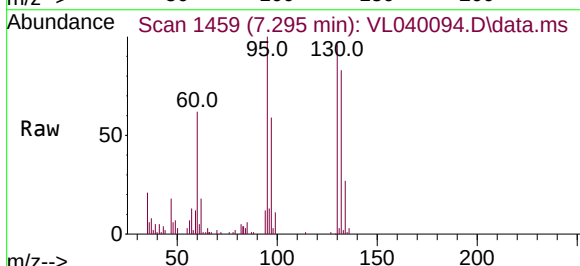
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

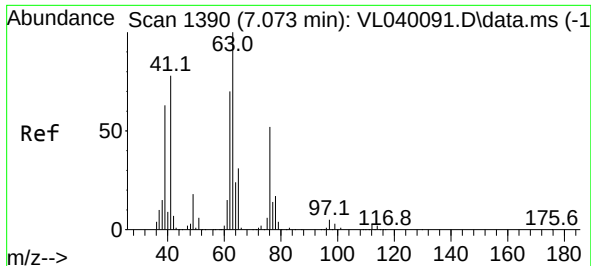
Tgt Ion: 62 Resp: 69727
Ion Ratio Lower Upper
62 100
98 5.7 4.4 6.6



#38
Trichloroethene
Concen: 0.472 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion:130 Resp: 58244
Ion Ratio Lower Upper
130 100
95 104.6 95.0 142.6
132 86.6 77.9 116.9
97 61.4 62.6 93.8#





#39

1,2-Dichloropropane

Concen: 0.488 ppbv

RT: 7.079 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

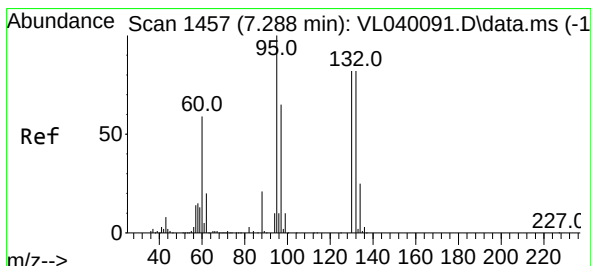
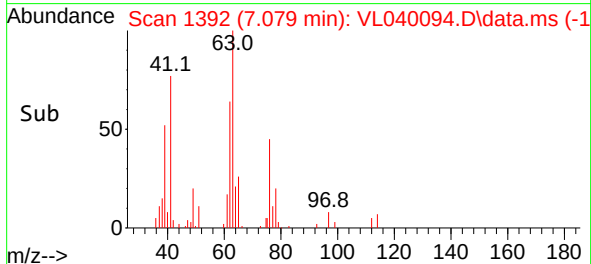
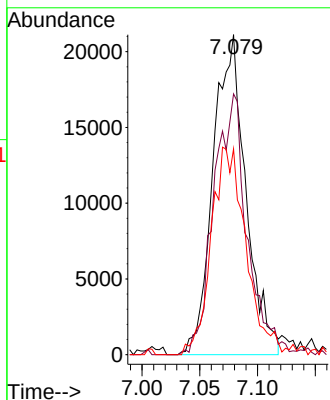
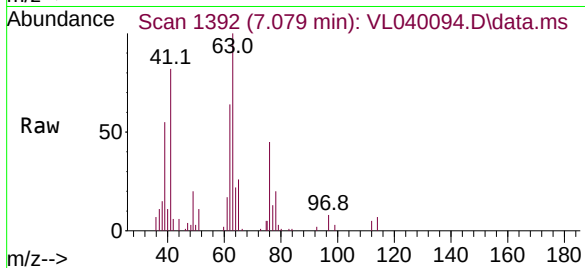
Tgt Ion: 63 Resp: 41515

Ion Ratio Lower Upper

63 100

41 81.5 62.2 93.4

62 64.3 55.8 83.8



#40

1,4-Dioxane

Concen: 0.079 ppbv

RT: 7.311 min Scan# 1464

Delta R.T. 0.023 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Tgt Ion: 88 Resp: 2672

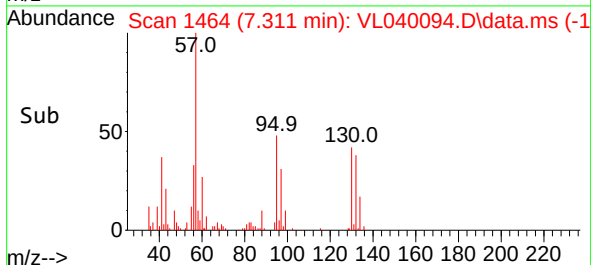
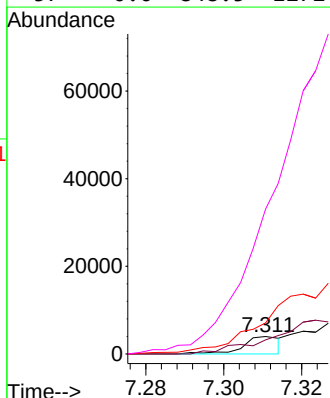
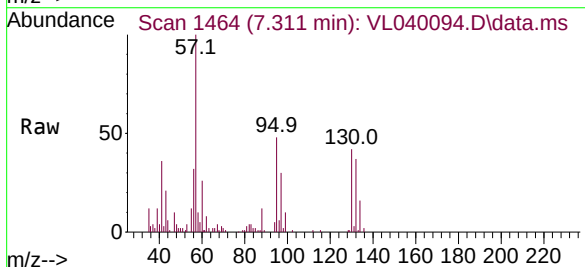
Ion Ratio Lower Upper

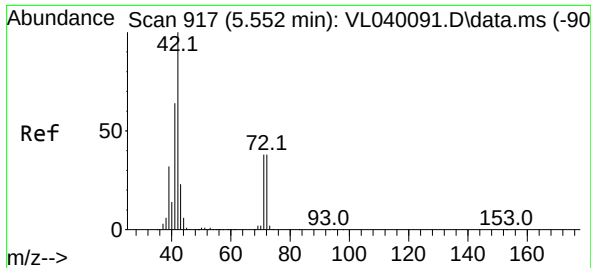
88 100

58 0.0 97.5 146.3#

43 0.0 195.0 292.4#

57 0.0 848.5 1272.7#

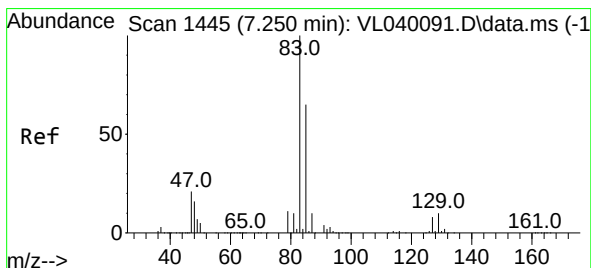
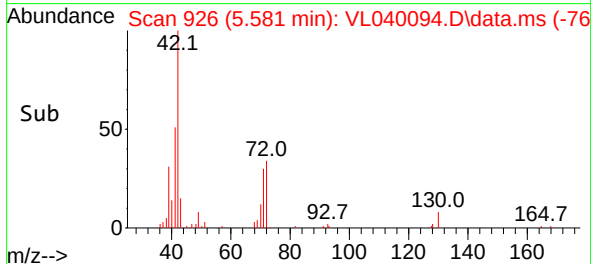
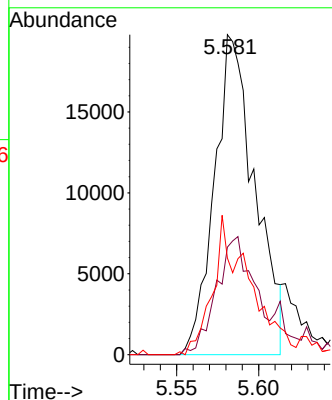
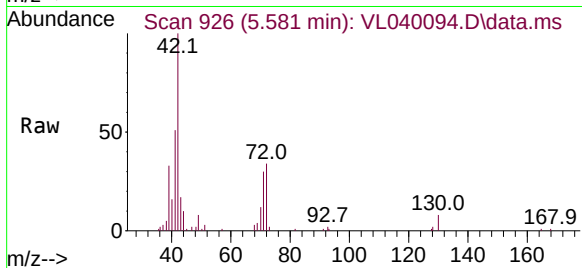




#41
Tetrahydrofuran
Concen: 0.423 ppbv
RT: 5.581 min Scan# 917
Delta R.T. 0.029 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

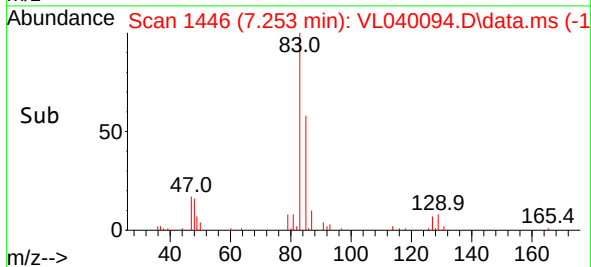
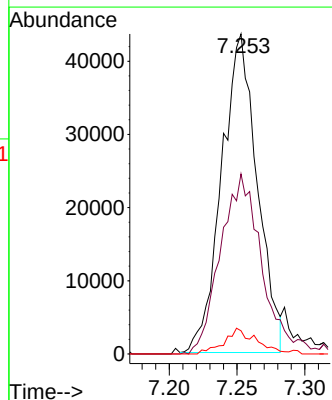
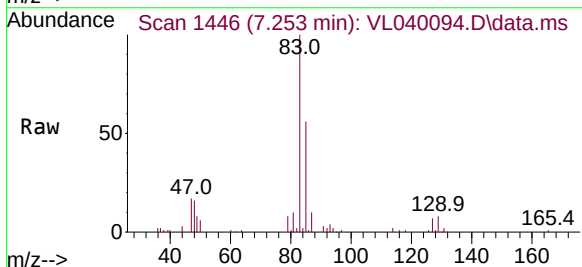
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

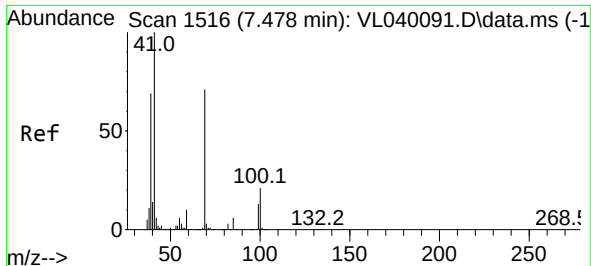
Tgt Ion:	42	Resp:	33879
Ion	Ratio	Lower	Upper
42	100		
72	43.3	31.9	47.9
71	42.8	31.4	47.2



#42
Bromodichloromethane
Concen: 0.423 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion:	83	Resp:	79741
Ion	Ratio	Lower	Upper
83	100		
85	56.5	51.7	77.5
127	7.3	6.2	9.2

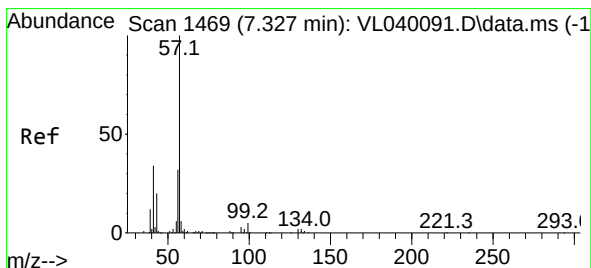
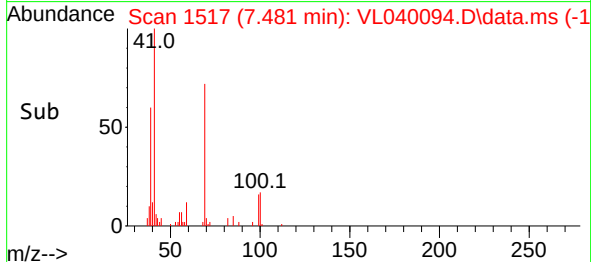
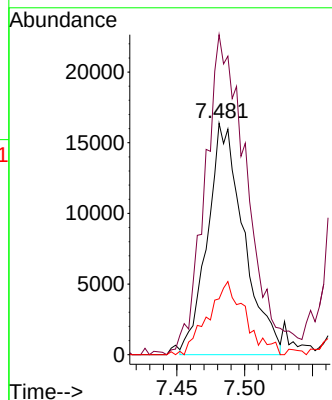
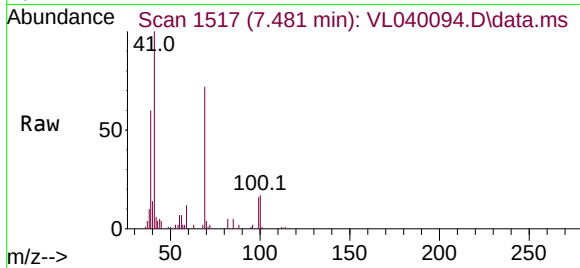




#43
Methyl Methacrylate
Concen: 0.382 ppbv
RT: 7.481 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

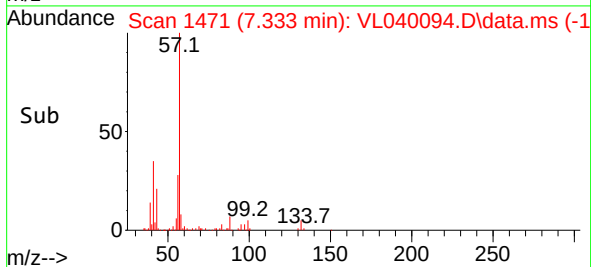
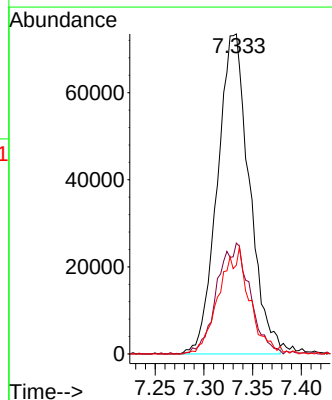
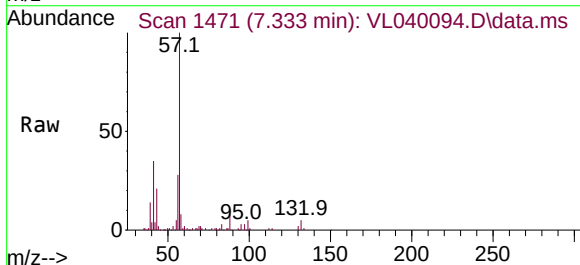
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

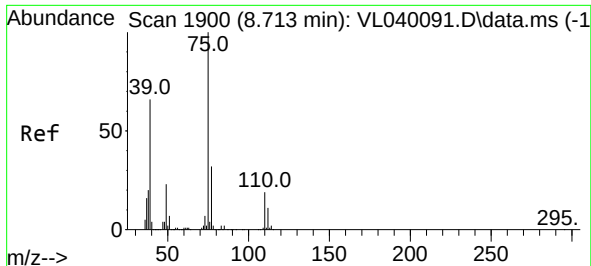
Tgt Ion: 69 Resp: 30502
Ion Ratio Lower Upper
69 100
41 162.0 118.2 177.2
100 33.4 24.2 36.4



#44
2,2,4-Trimethylpentane
Concen: 0.464 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 57 Resp: 167627
Ion Ratio Lower Upper
57 100
41 36.2 27.1 40.7
56 32.1 25.0 37.4

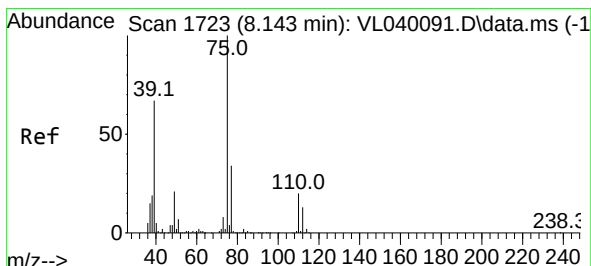
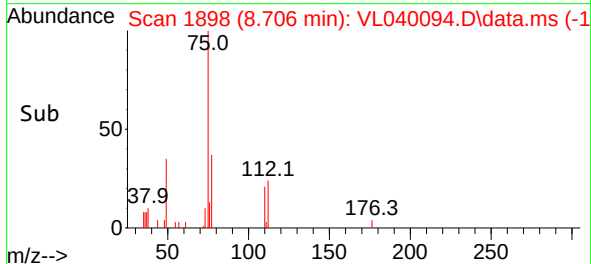
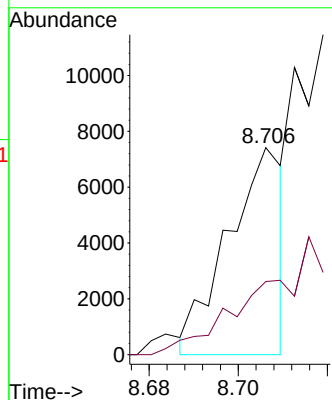
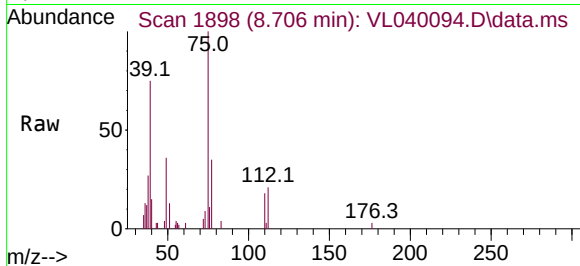




#45
t-1,3-Dichloropropene
Concen: 0.089 ppbv
RT: 8.706 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

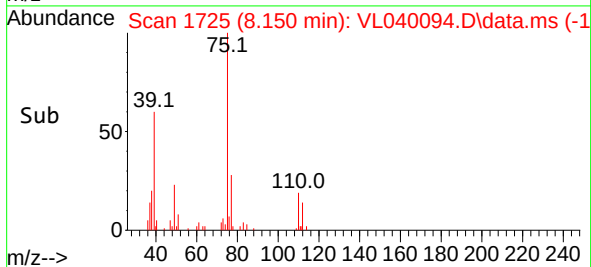
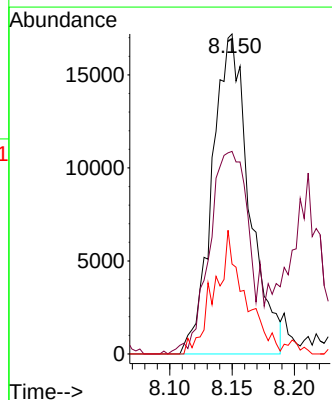
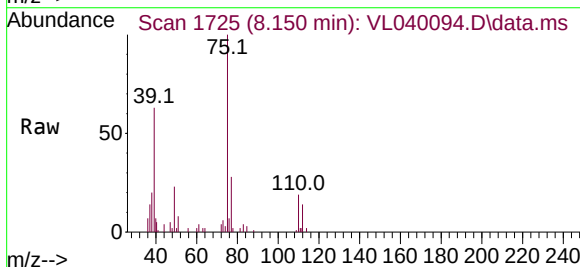
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

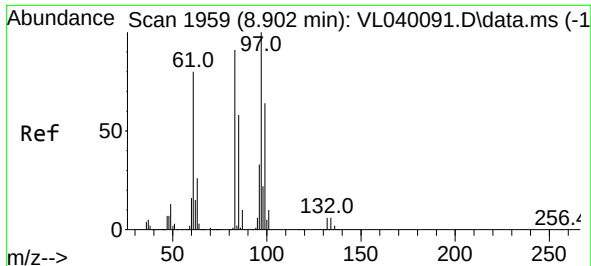
Tgt Ion: 75 Resp: 6335
Ion Ratio Lower Upper
75 100
77 35.3 25.6 38.4



#46
cis-1,3-Dichloropropene
Concen: 0.364 ppbv
RT: 8.150 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 75 Resp: 35420
Ion Ratio Lower Upper
75 100
39 60.6 53.6 80.4
77 28.1 26.9 40.3





#47

1,1,2-Trichloroethane

Concen: 0.208 ppbv

RT: 8.899 min Scan# 1958

Delta R.T. -0.003 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 18657

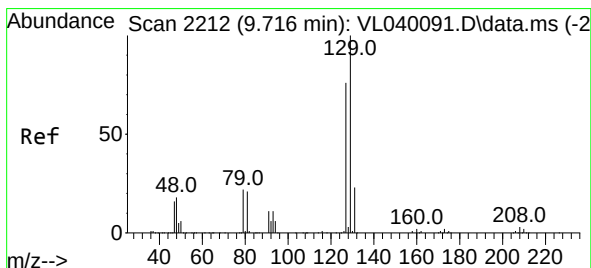
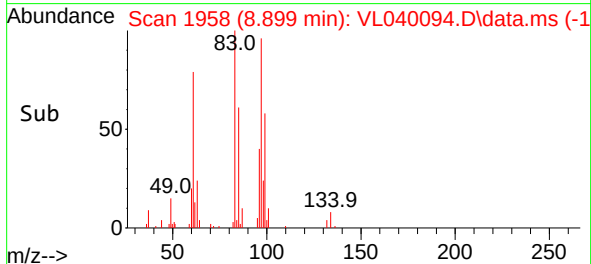
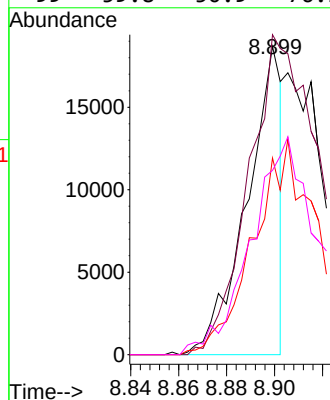
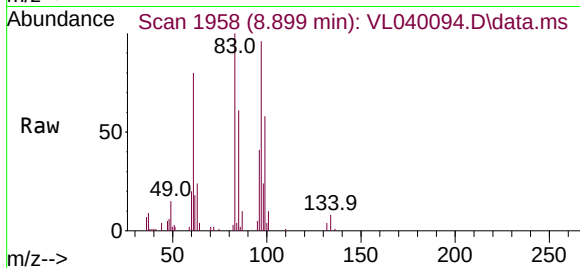
Ion Ratio Lower Upper

97 100

83 103.9 72.9 109.3

85 63.8 46.0 69.0

99 59.8 50.9 76.3



#48

Dibromochloromethane

Concen: 0.391 ppbv

RT: 9.722 min Scan# 2214

Delta R.T. 0.006 min

Lab File: VL040094.D

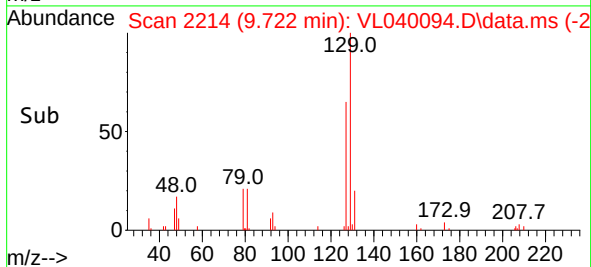
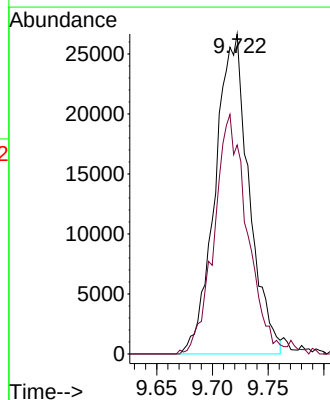
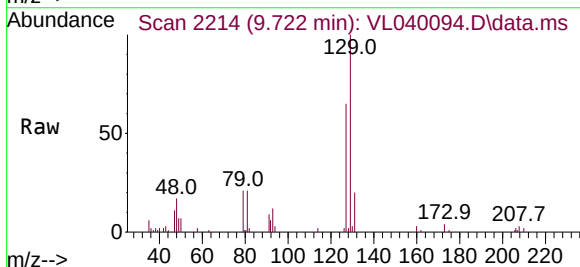
Acq: 16 Jan 2023 12:12

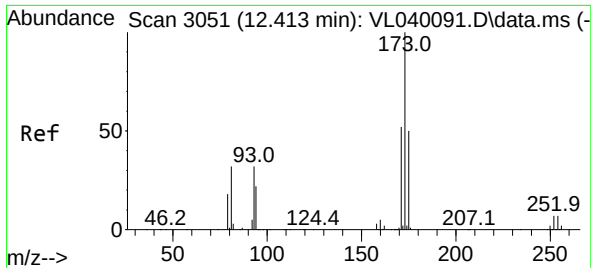
Tgt Ion: 129 Resp: 56198

Ion Ratio Lower Upper

129 100

127 74.7 39.3 117.9

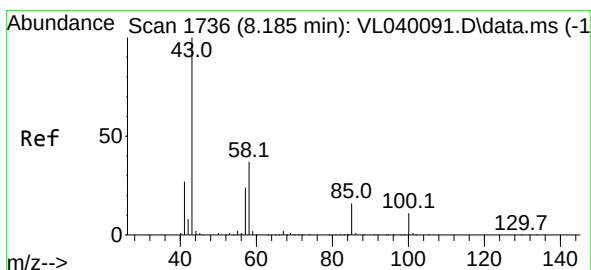
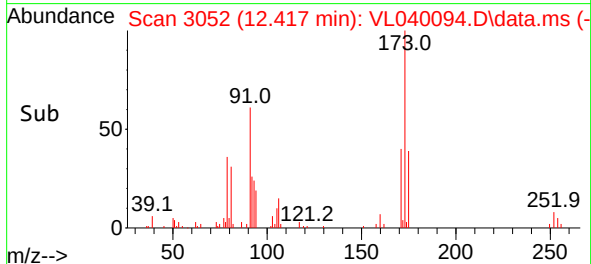
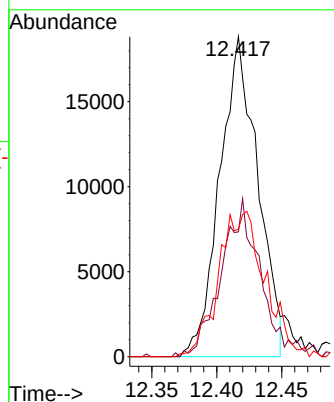
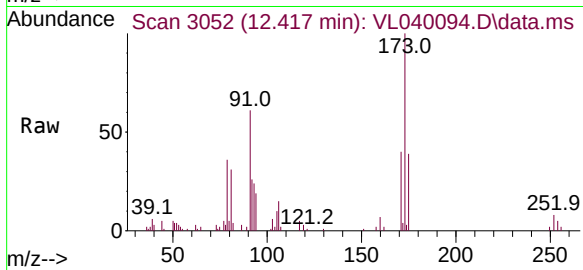




#49
Bromoform
Concen: 0.345 ppbv
RT: 12.417 min Scan# 3051
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

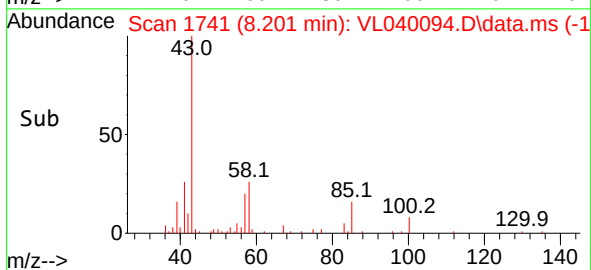
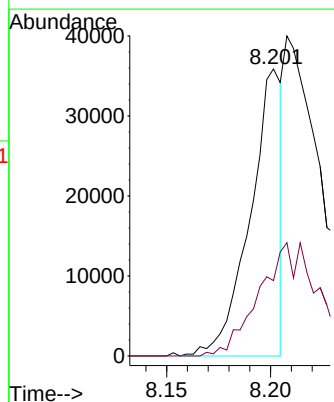
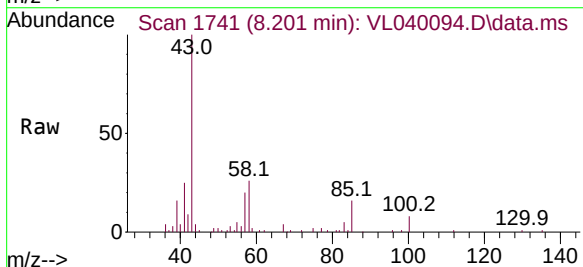
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

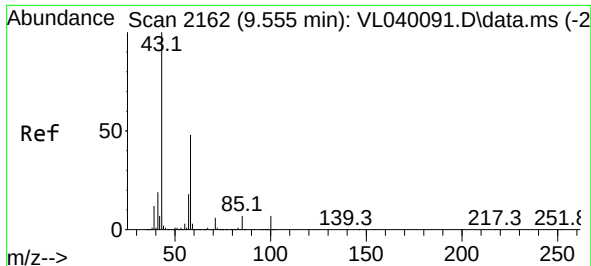
Tgt Ion:173 Resp: 38277
Ion Ratio Lower Upper
173 100
175 52.0 39.7 59.5
171 55.9 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 0.172 ppbv
RT: 8.201 min Scan# 1741
Delta R.T. 0.016 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 43 Resp: 37672
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#

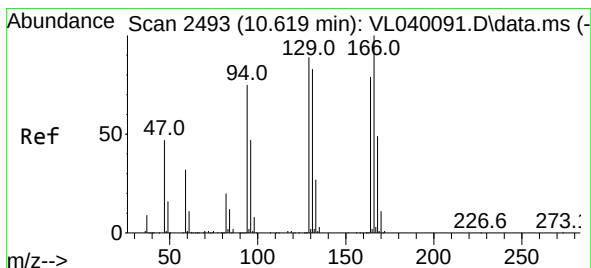
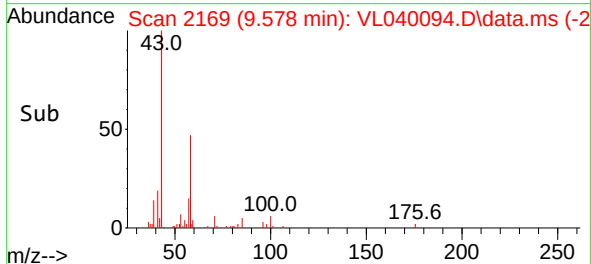
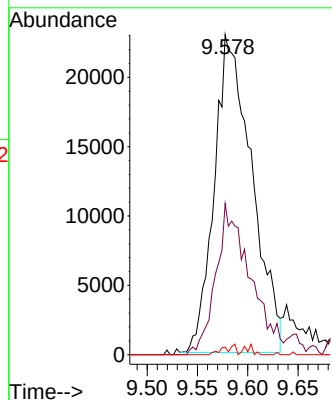
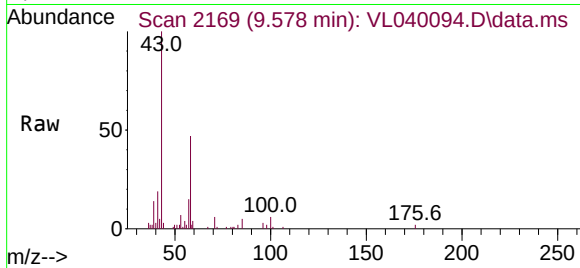




#51
2-Hexanone
Concen: 0.359 ppbv
RT: 9.578 min Scan# 2169
Delta R.T. 0.023 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

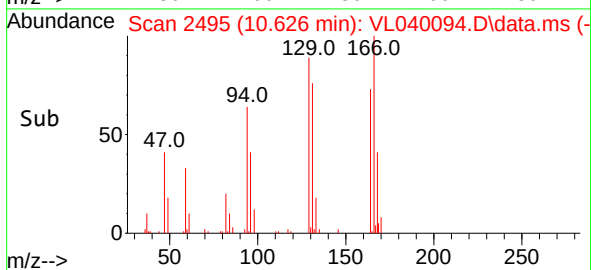
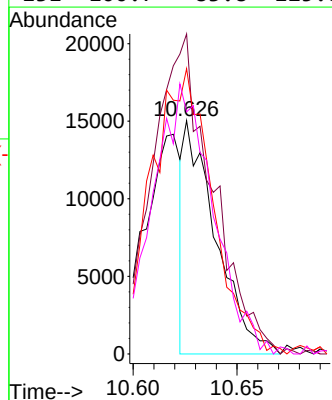
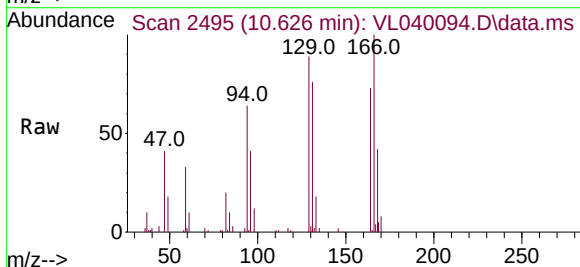
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

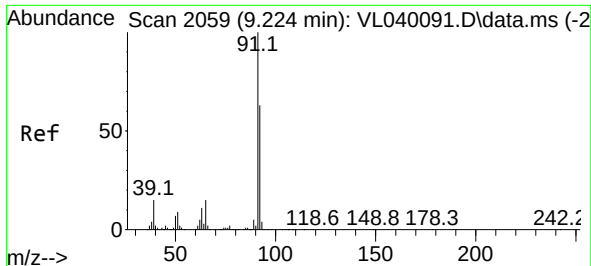
Tgt Ion: 43 Resp: 59479
Ion Ratio Lower Upper
43 100
58 47.4 37.5 56.3
98 1.0 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.225 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 164 Resp: 15973
Ion Ratio Lower Upper
164 100
166 137.1 101.2 151.8
129 119.9 90.2 135.2
131 100.7 83.8 125.8

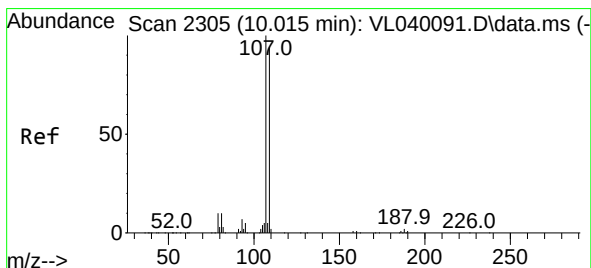
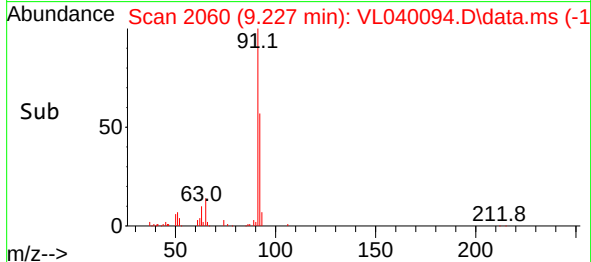
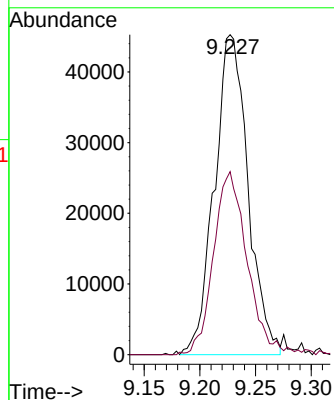
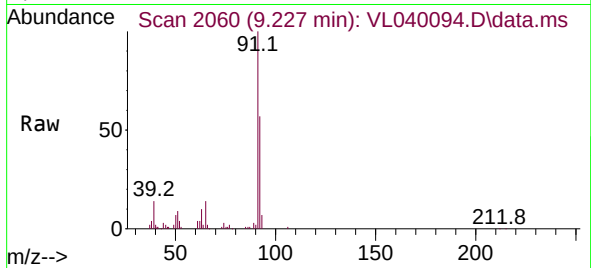




#53
Toluene
Concen: 0.410 ppbv
RT: 9.227 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

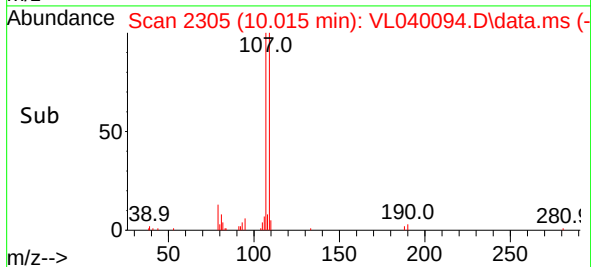
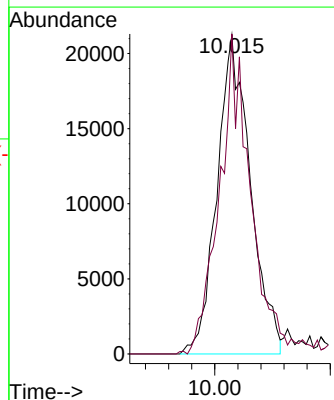
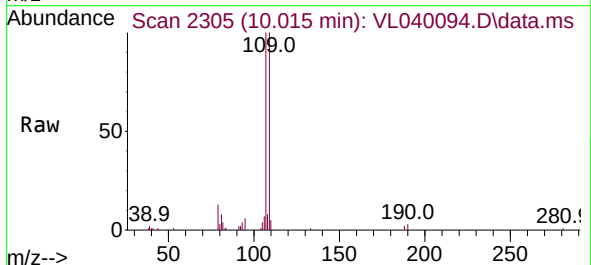
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

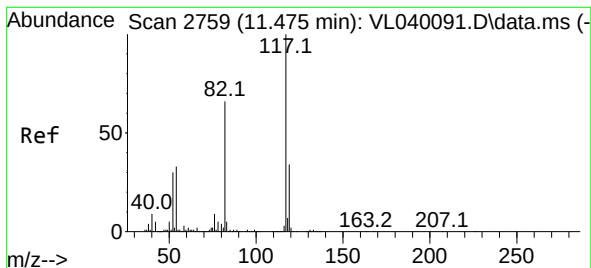
Tgt Ion: 91 Resp: 95034
Ion Ratio Lower Upper
91 100
92 58.3 48.3 72.5



#54
1,2-Dibromoethane
Concen: 0.455 ppbv
RT: 10.015 min Scan# 2305
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 107 Resp: 42605
Ion Ratio Lower Upper
107 100
109 99.6 75.0 112.4

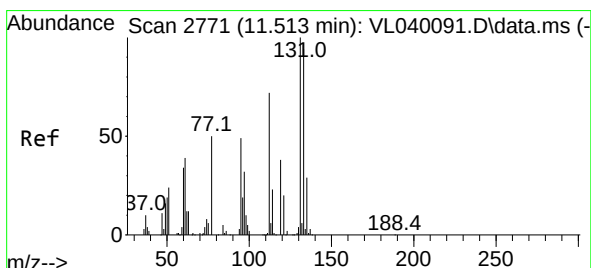
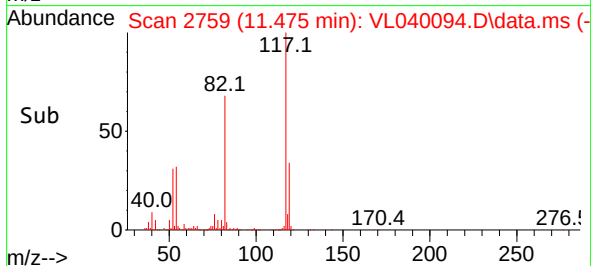
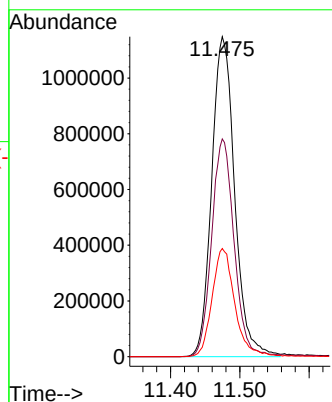
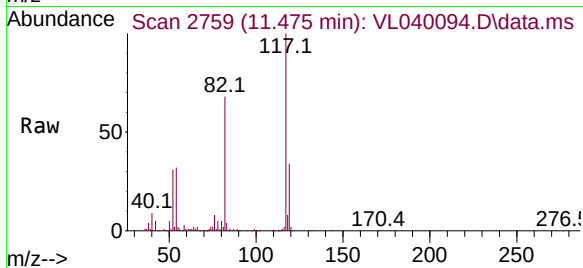




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

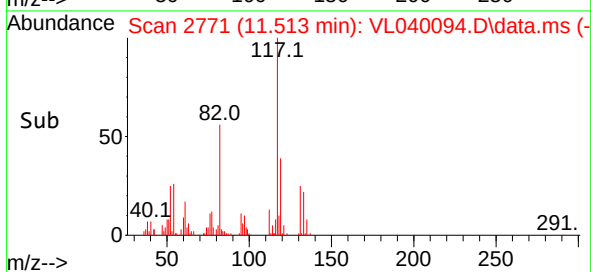
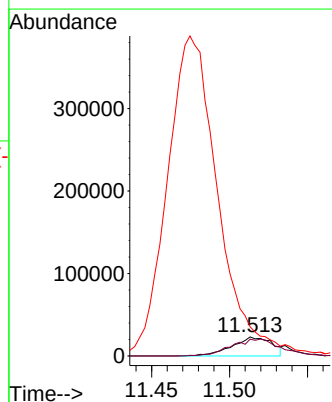
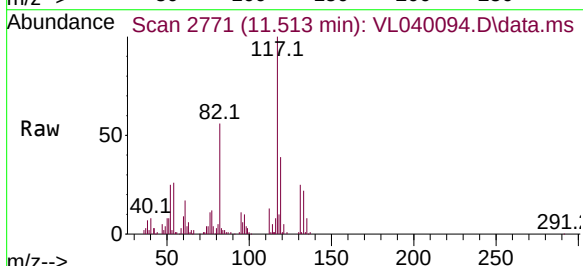
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

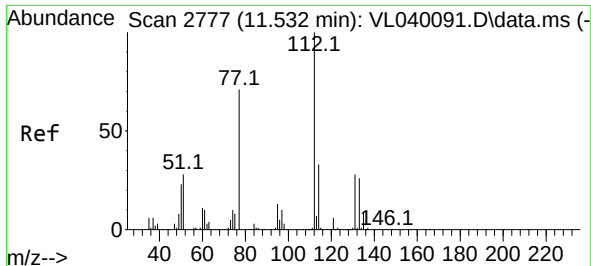
Tgt Ion:117 Resp: 2644223
Ion Ratio Lower Upper
117 100
82 67.2 54.4 81.6
119 33.6 26.8 40.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.396 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion:131 Resp: 40797
Ion Ratio Lower Upper
131 100
133 111.1 75.6 113.4
119 2179.8 47.2 70.8#

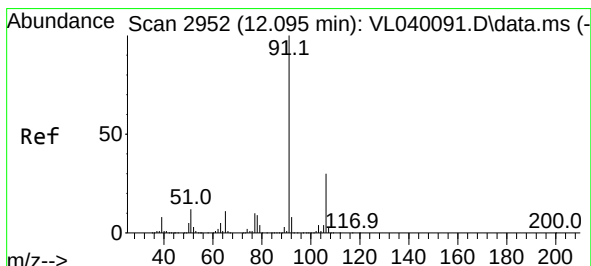
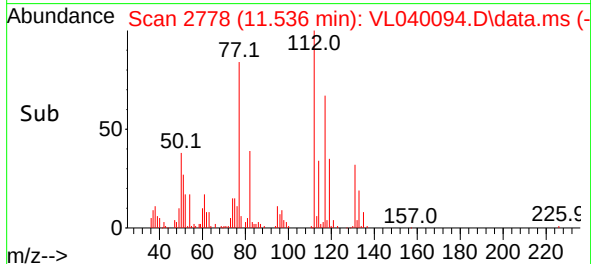
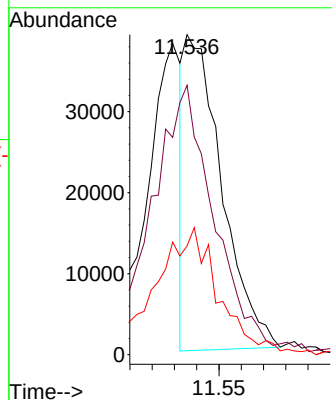
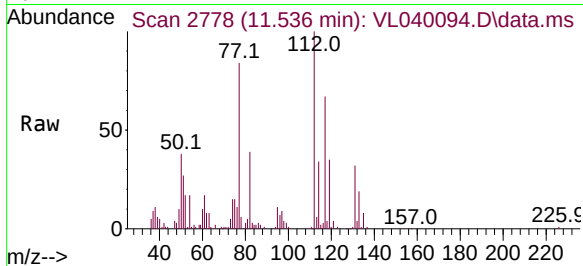




#57
Chlorobenzene
Concen: 0.251 ppbv
RT: 11.536 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

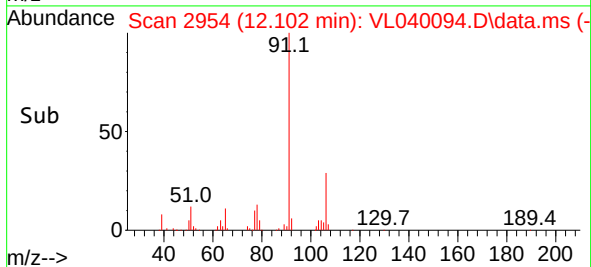
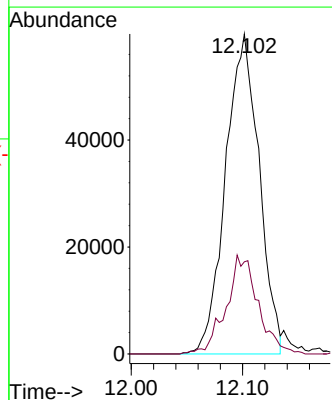
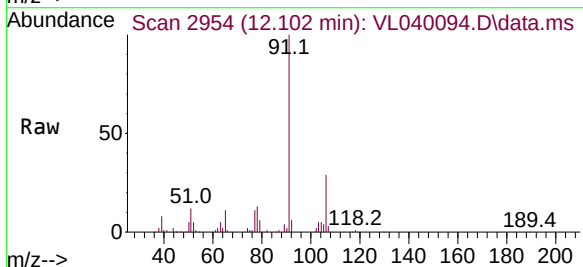
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

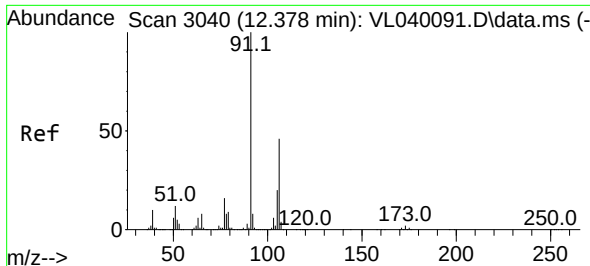
Tgt Ion:112 Resp: 45193
Ion Ratio Lower Upper
112 100
77 82.7 57.3 85.9
114 33.1 29.6 36.2



#58
Ethyl Benzene
Concen: 0.424 ppbv
RT: 12.102 min Scan# 2954
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 91 Resp: 125069
Ion Ratio Lower Upper
91 100
106 28.8 23.7 35.5

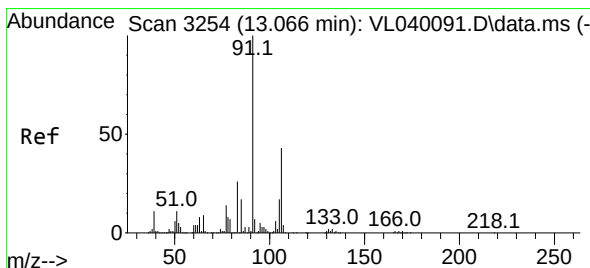
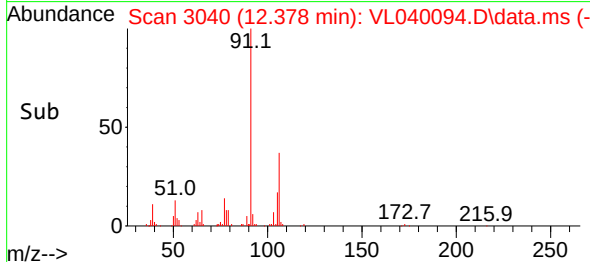
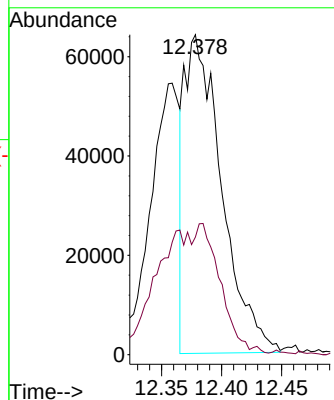
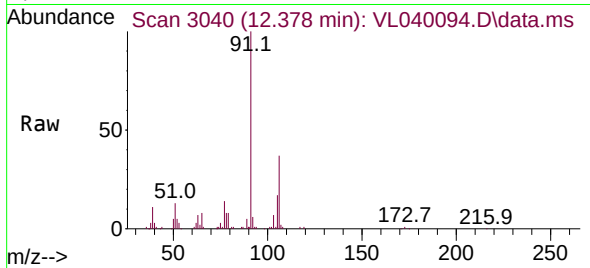




#59
m/p-Xylene
Concen: 0.522 ppbv
RT: 12.378 min Scan# 3040
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

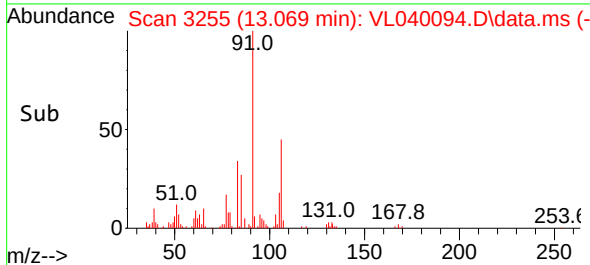
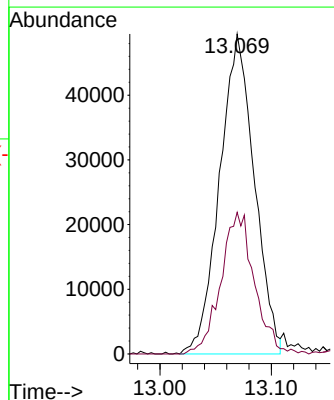
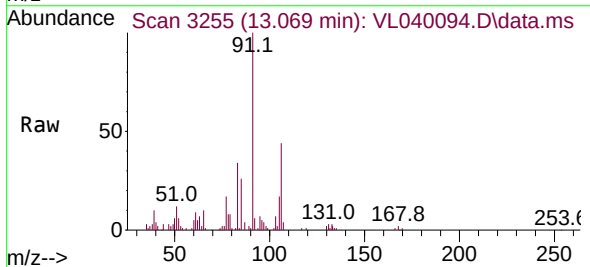
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

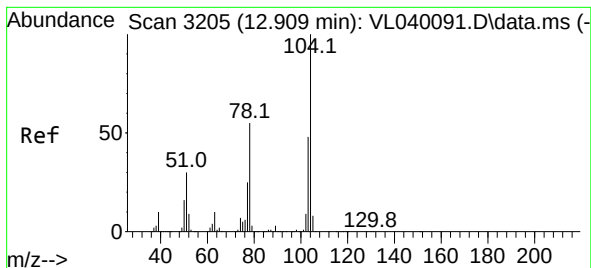
Tgt Ion: 91 Resp: 138391
Ion Ratio Lower Upper
91 100
106 68.6 34.2 51.4#



#60
o-Xylene
Concen: 0.425 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 91 Resp: 107022
Ion Ratio Lower Upper
91 100
106 43.2 21.6 64.8





#61

Styrene

Concen: 0.351 ppbv

RT: 12.912 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

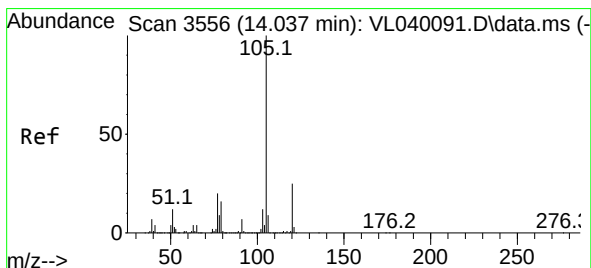
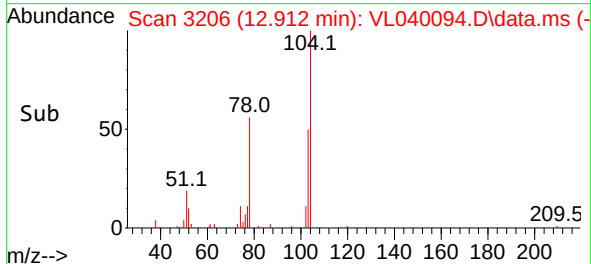
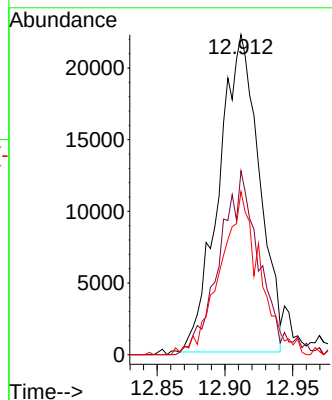
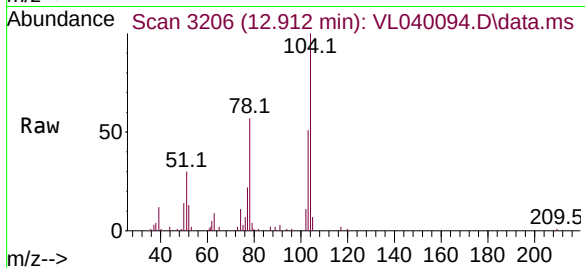
Tgt Ion:104 Resp: 46052

Ion Ratio Lower Upper

104 100

78 57.8 44.0 66.0

103 51.6 37.8 56.6



#62

Isopropylbenzene

Concen: 0.464 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL040094.D

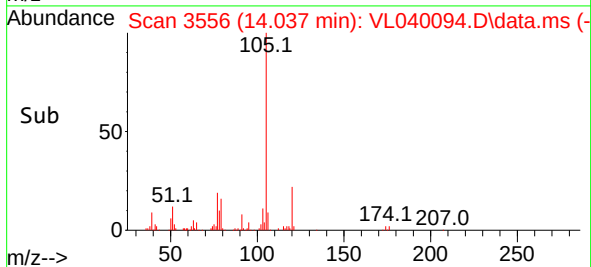
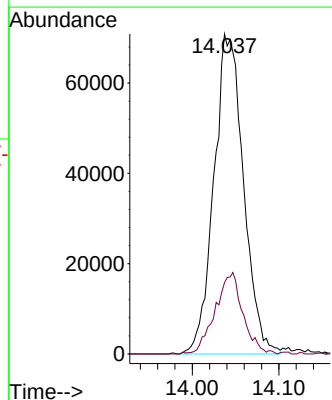
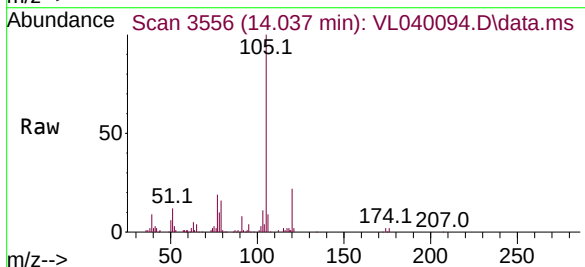
Acq: 16 Jan 2023 12:12

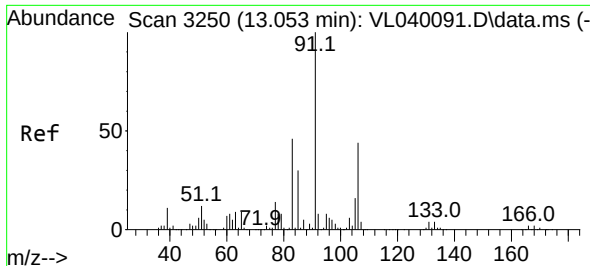
Tgt Ion:105 Resp: 168133

Ion Ratio Lower Upper

105 100

120 24.1 20.2 30.2

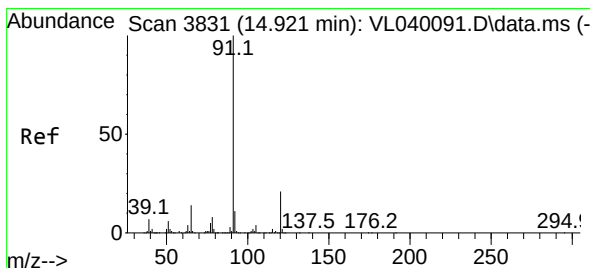
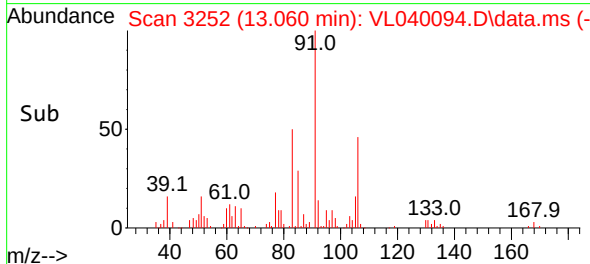
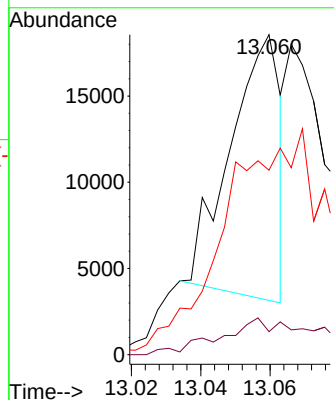
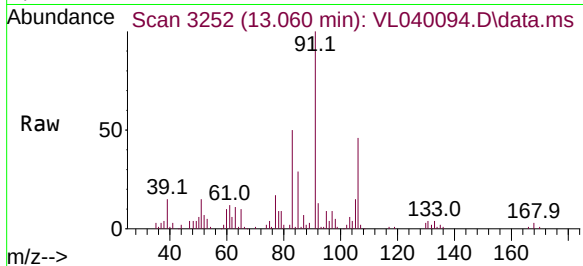




#63
1,1,2,2-Tetrachloroethane
Concen: 0.166 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

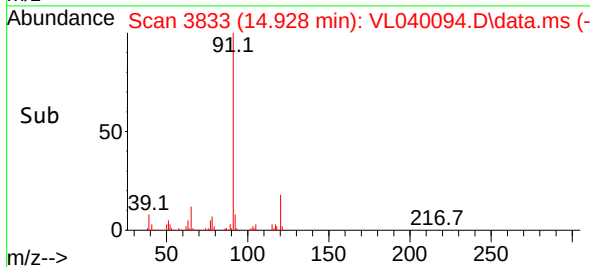
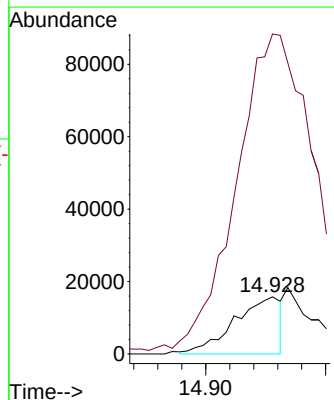
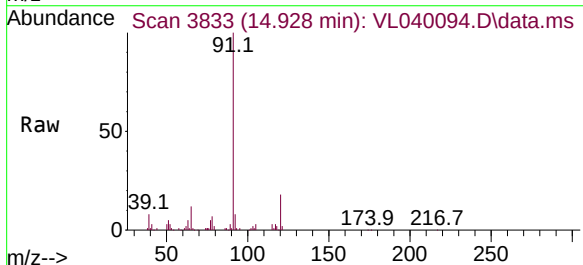
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

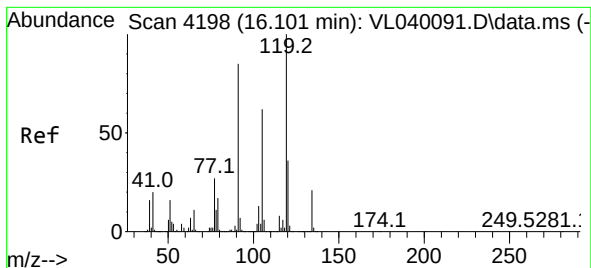
Tgt Ion: 83 Resp: 15192
Ion Ratio Lower Upper
83 100
131 29.0 4.3 13.1#
85 0.0 32.5 97.5#



#64
n-propylbenzene
Concen: 0.236 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 120 Resp: 21272
Ion Ratio Lower Upper
120 100
91 1017.8 397.0 595.4#

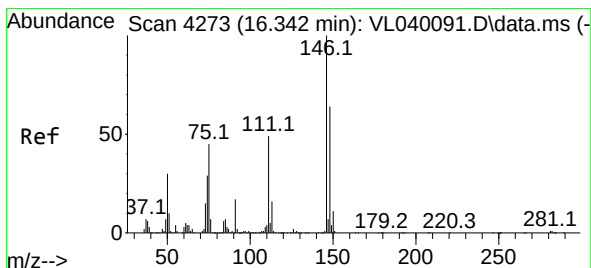
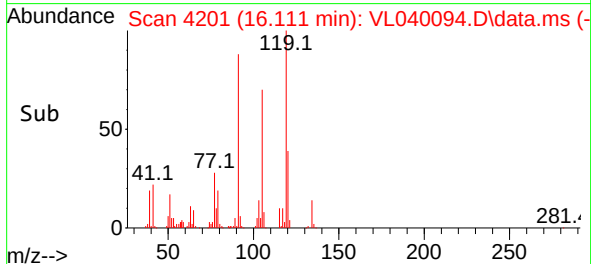
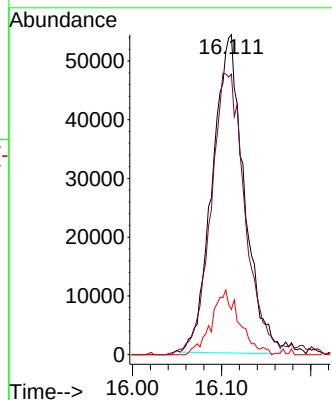
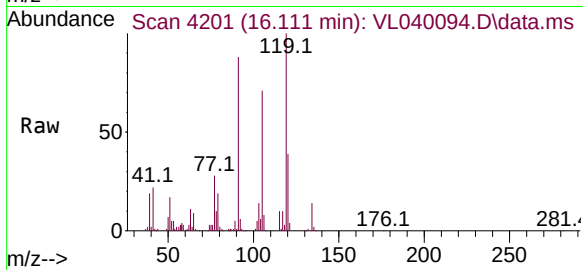




#65
tert-Butylbenzene
Concen: 0.434 ppbv
RT: 16.111 min Scan# 4198
Delta R.T. 0.010 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

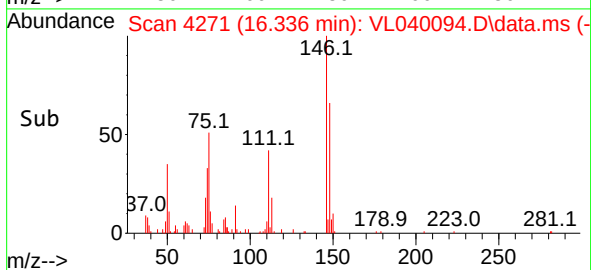
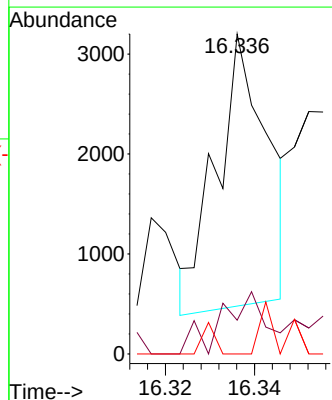
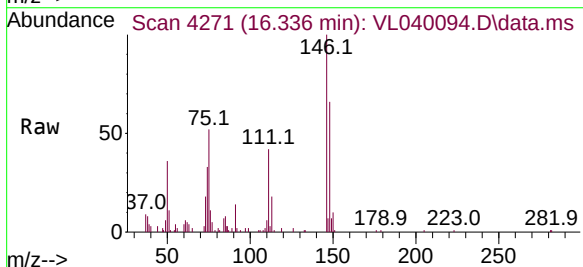
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

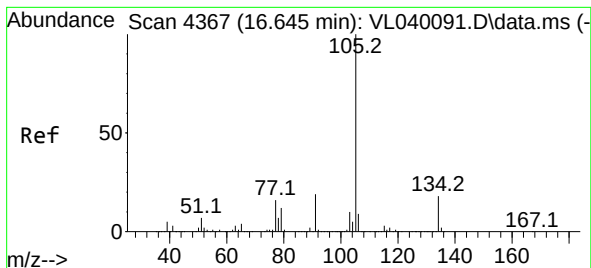
Tgt Ion:119 Resp: 134720
Ion Ratio Lower Upper
119 100
91 97.4 69.5 104.3
134 17.9 15.8 23.8



#66
Benzyl Chloride
Concen: 0.101 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. -0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion: 91 Resp: 2143
Ion Ratio Lower Upper
91 100
126 22.5 11.5 17.3#
128 0.0 0.0 0.0

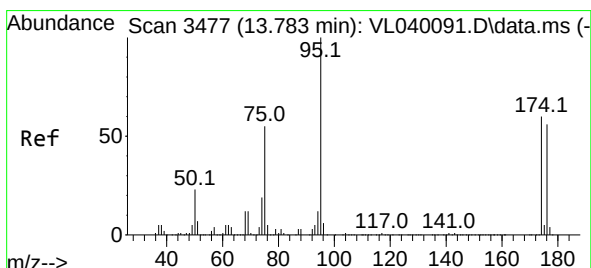
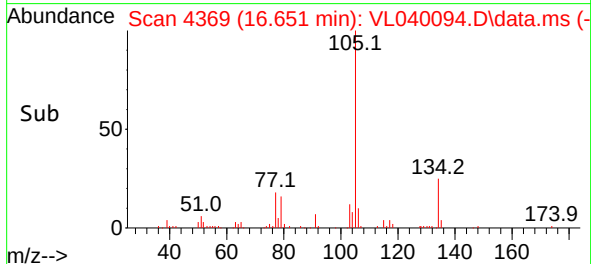
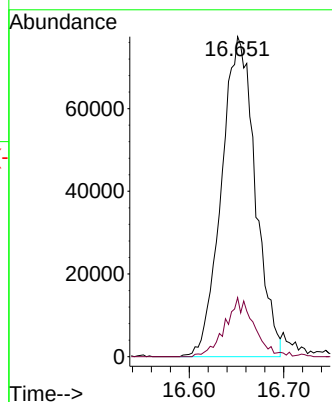
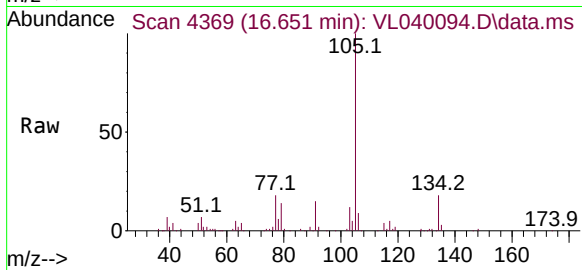




#67
 sec-Butylbenzene
 Concen: 0.438 ppbv
 RT: 16.651 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

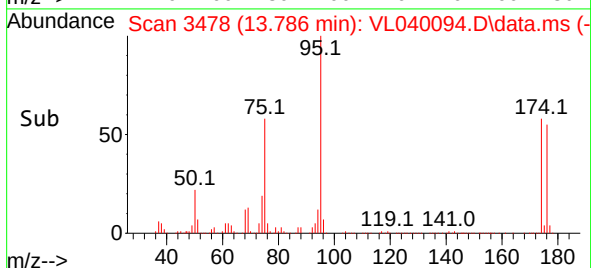
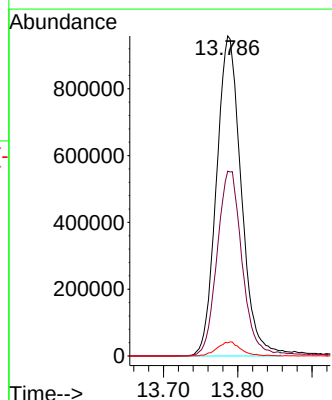
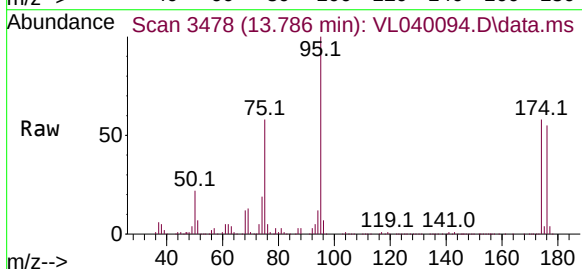
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

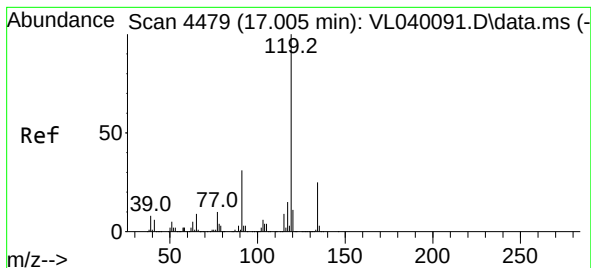
Tgt Ion:105 Resp: 192519
 Ion Ratio Lower Upper
 105 100
 134 16.1 14.1 21.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.085 ppbv
 RT: 13.786 min Scan# 3478
 Delta R.T. 0.003 min
 Lab File: VL040094.D
 Acq: 16 Jan 2023 12:12

Tgt Ion: 95 Resp: 2216342
 Ion Ratio Lower Upper
 95 100
 174 59.8 47.7 71.5
 175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 0.412 ppbv

RT: 17.008 min Scan# 4479

Delta R.T. 0.003 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

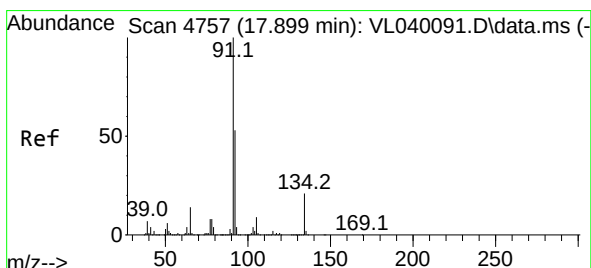
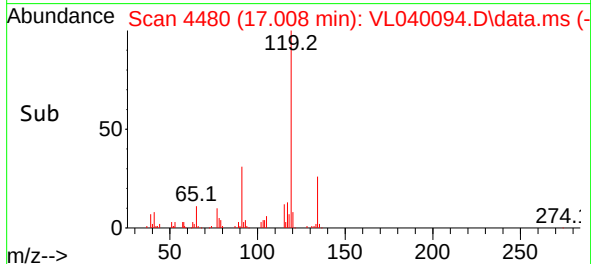
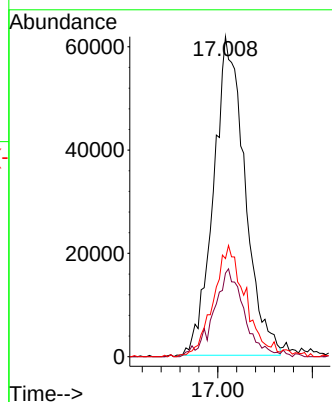
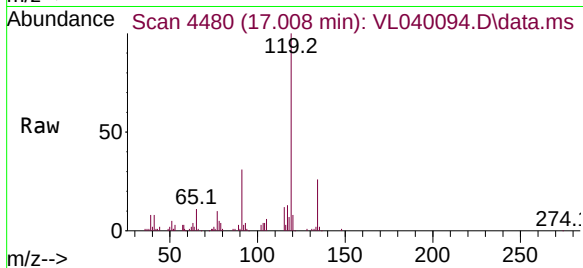
Tgt Ion:119 Resp: 142497

Ion Ratio Lower Upper

119 100

134 27.0 20.1 30.1

91 36.8 25.0 37.4



#70

n-Butylbenzene

Concen: 0.413 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. 0.006 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

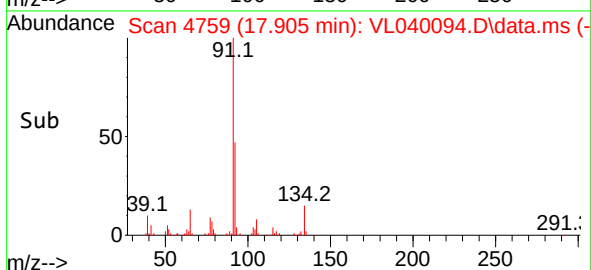
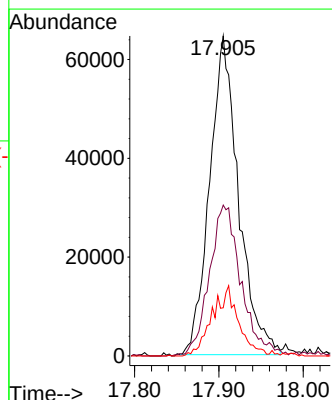
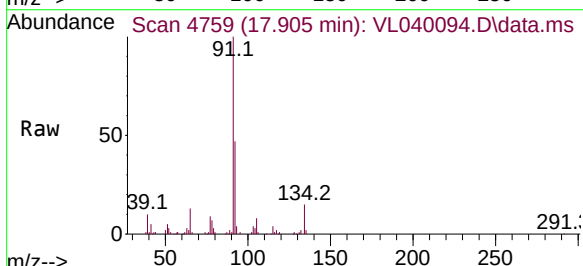
Tgt Ion: 91 Resp: 153918

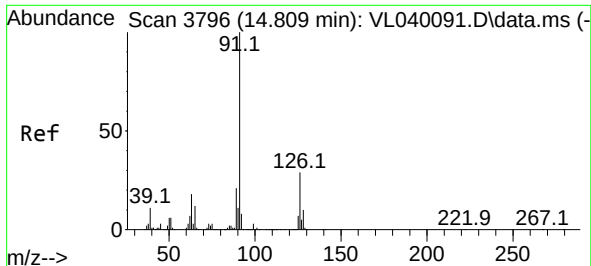
Ion Ratio Lower Upper

91 100

92 52.0 42.8 64.2

134 20.6 16.9 25.3

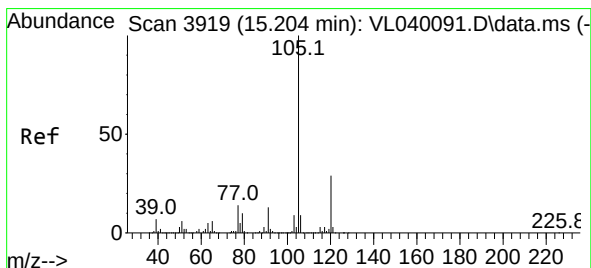
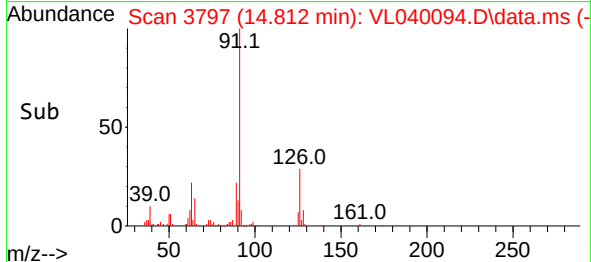
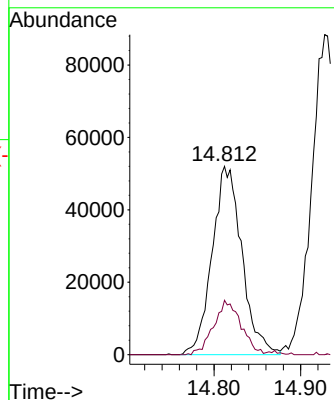
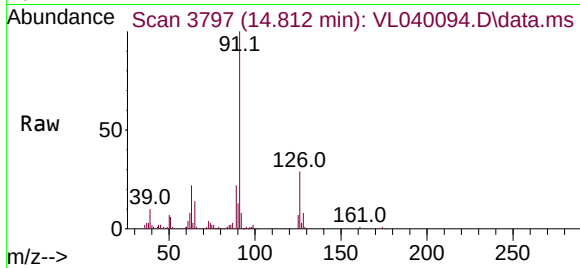




#71
2-Chlorotoluene
Concen: 0.446 ppbv
RT: 14.812 min Scan# 3796
Delta R.T. 0.003 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

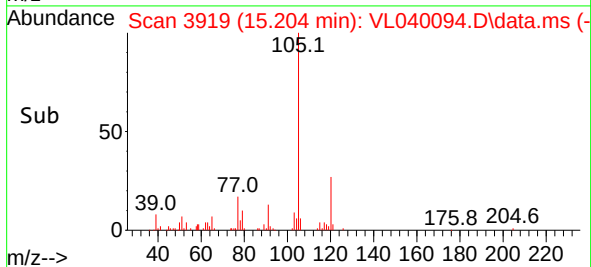
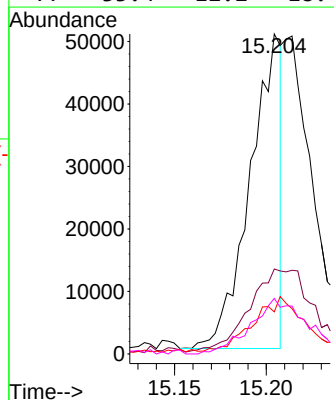
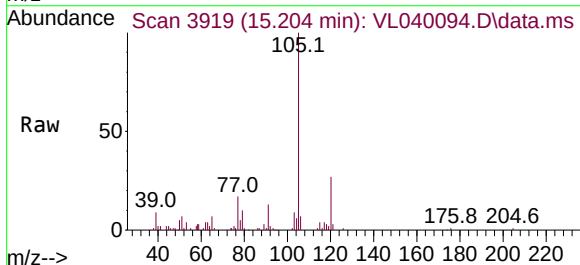
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

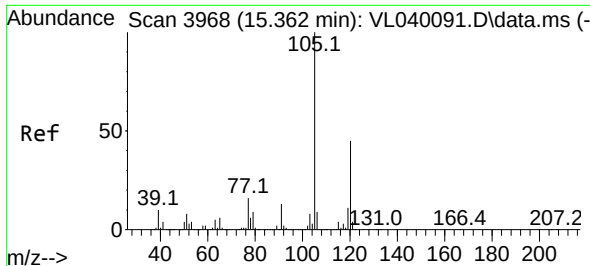
Tgt Ion: 91 Resp: 124174
Ion Ratio Lower Upper
91 100
126 27.3 11.9 47.5



#72
4-Ethyltoluene
Concen: 0.214 ppbv
RT: 15.204 min Scan# 3919
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion:105 Resp: 59684
Ion Ratio Lower Upper
105 100
120 58.1 23.1 34.7#
91 34.3 11.2 16.8#
77 33.4 12.2 18.4#

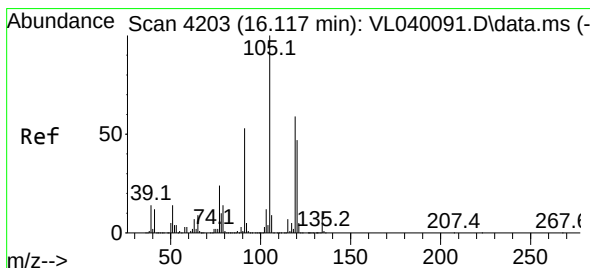
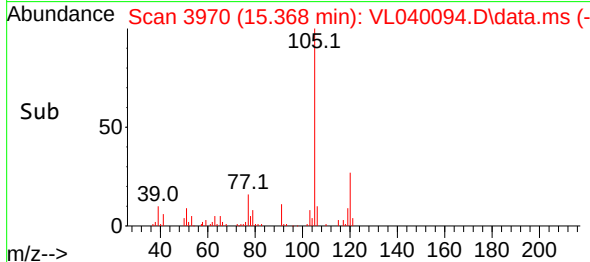
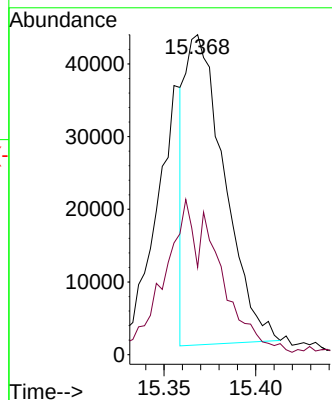
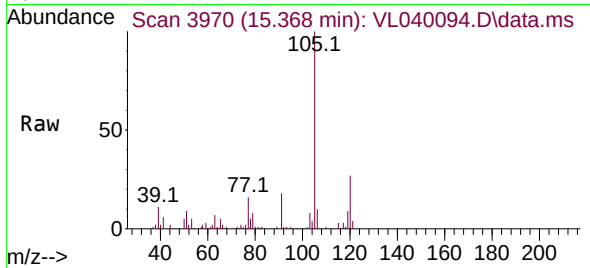




#73
1,3,5-Trimethylbenzene
Concen: 0.251 ppbv
RT: 15.368 min Scan# 3968
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

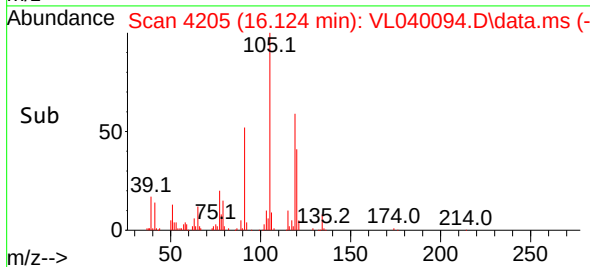
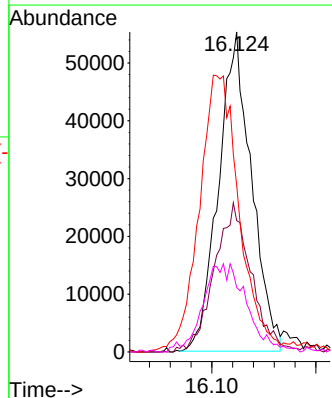
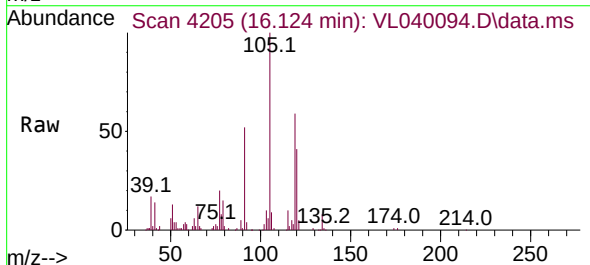
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

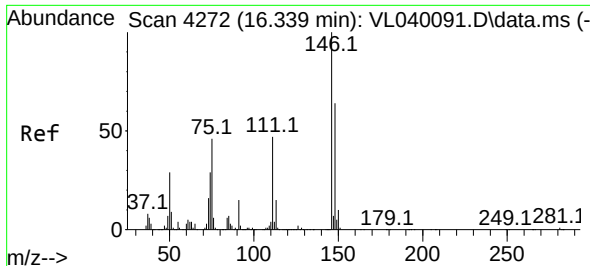
Tgt Ion:105 Resp: 63163
Ion Ratio Lower Upper
105 100
120 24.9 36.2 54.4#



#74
1,2,4-Trimethylbenzene
Concen: 0.436 ppbv
RT: 16.124 min Scan# 4205
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion:105 Resp: 121448
Ion Ratio Lower Upper
105 100
120 40.1 38.0 57.0
91 50.2 42.1 63.1
77 18.7 19.3 28.9#

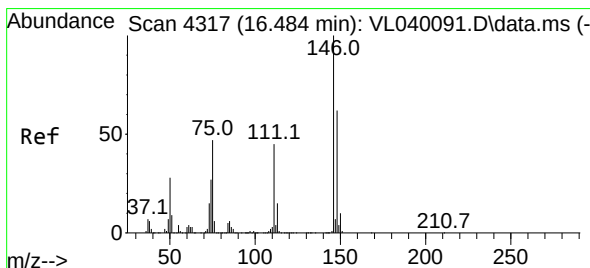
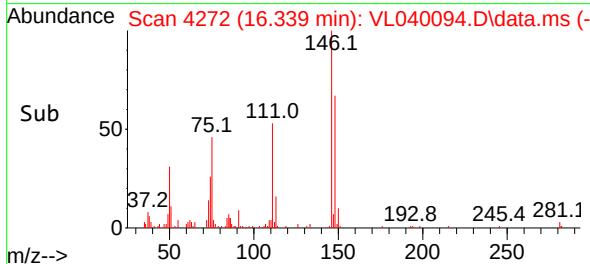
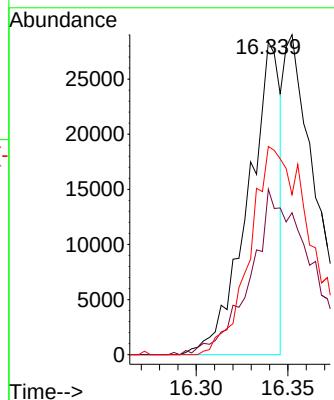
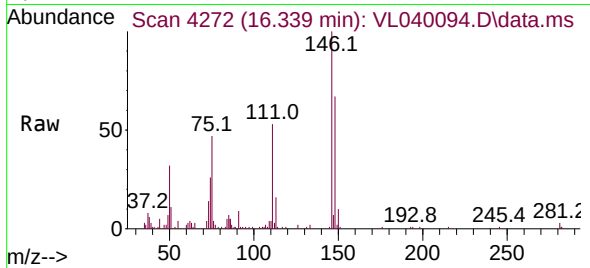




#75
1,3-Dichlorobenzene
Concen: 0.224 ppbv
RT: 16.339 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

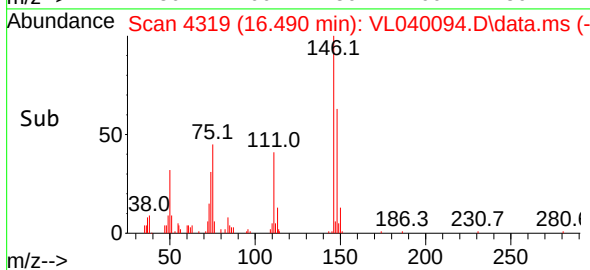
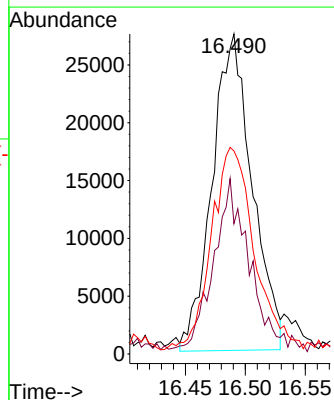
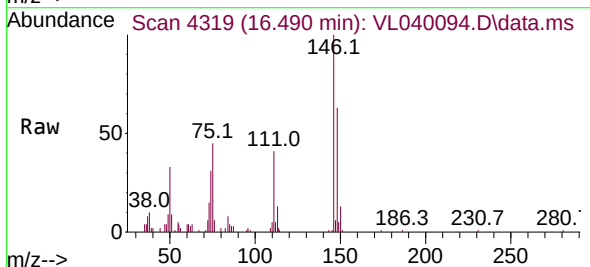
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

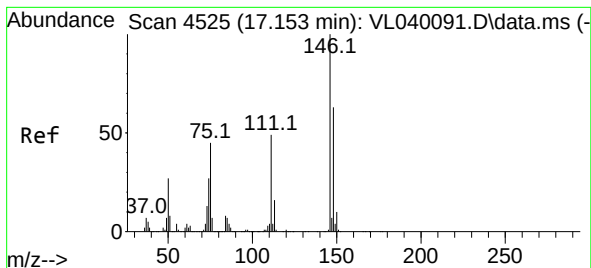
Tgt Ion:146 Resp: 34731
Ion Ratio Lower Upper
146 100
111 105.3 24.3 73.0#
148 135.0 32.3 96.8#



#76
1,4-Dichlorobenzene
Concen: 0.417 ppbv
RT: 16.490 min Scan# 4319
Delta R.T. 0.006 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion:146 Resp: 63503
Ion Ratio Lower Upper
146 100
111 50.5 23.8 71.2
148 75.0 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 0.184 ppbv

RT: 17.153 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

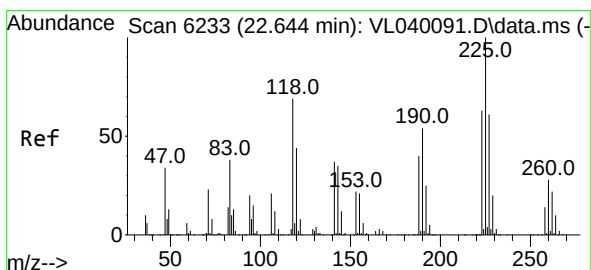
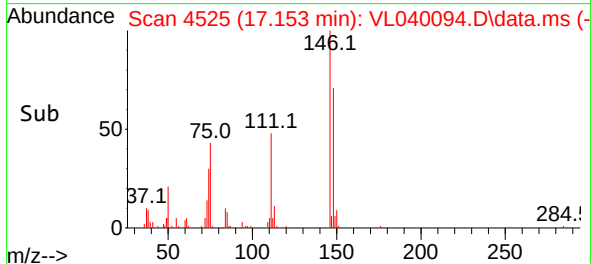
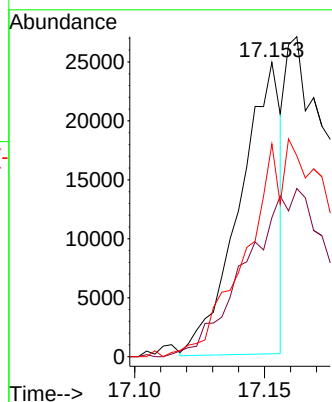
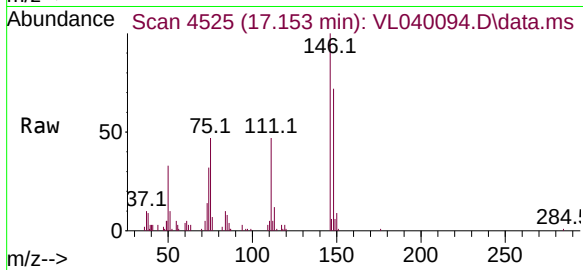
Tgt Ion:146 Resp: 27306

Ion Ratio Lower Upper

146 100

111 0.0 25.1 75.2#

148 0.0 32.4 97.0#



#78

Hexachloro-1,3-Butadiene

Concen: 0.316 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.003 min

Lab File: VL040094.D

Acq: 16 Jan 2023 12:12

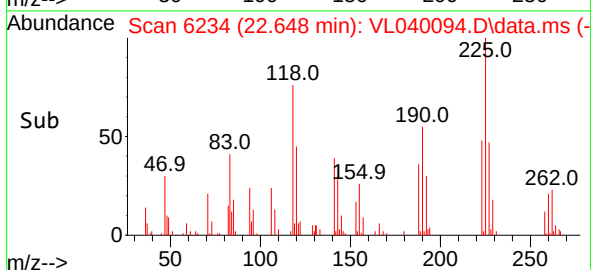
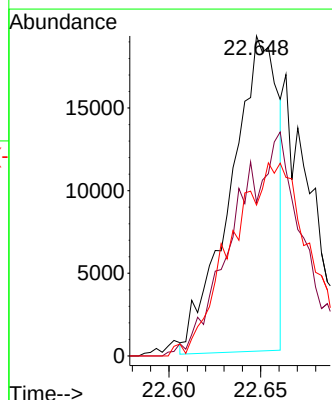
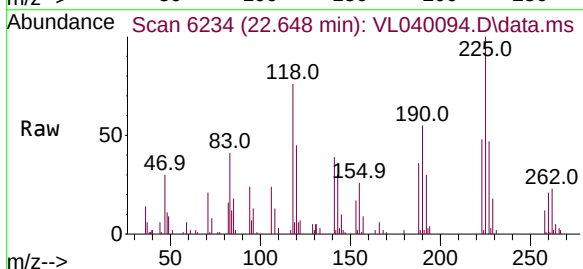
Tgt Ion:225 Resp: 34248

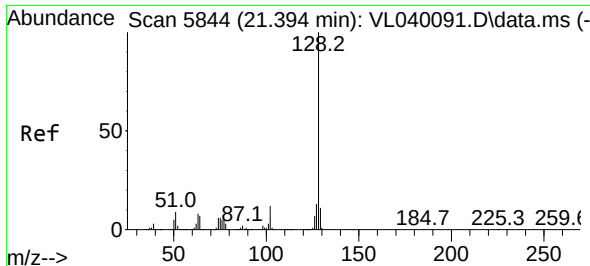
Ion Ratio Lower Upper

225 100

223 0.0 51.5 77.3#

227 0.0 50.6 76.0#

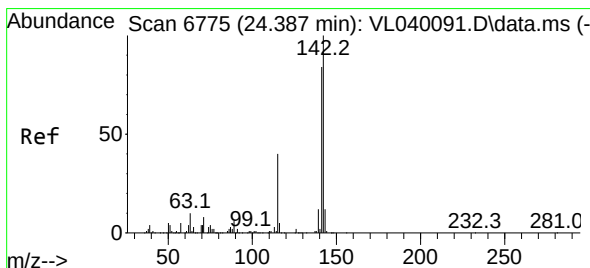
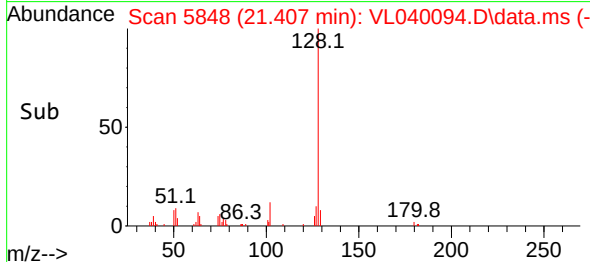
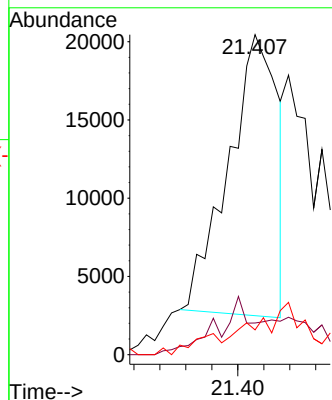
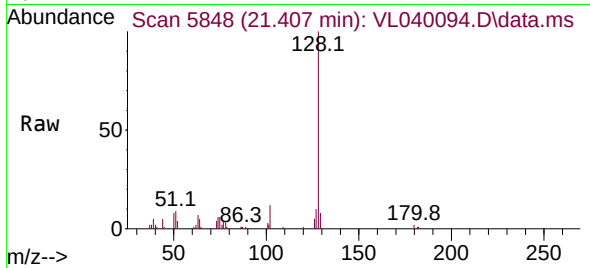




#79
Naphthalene
Concen: 0.146 ppbv
RT: 21.407 min Scan# 5848
Delta R.T. 0.013 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

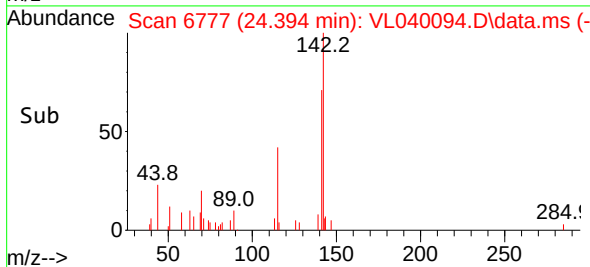
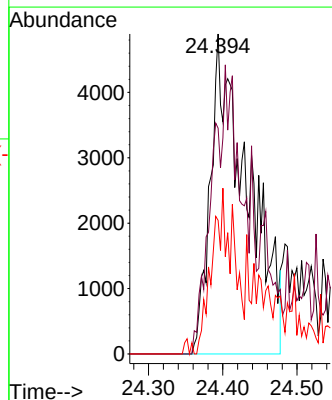
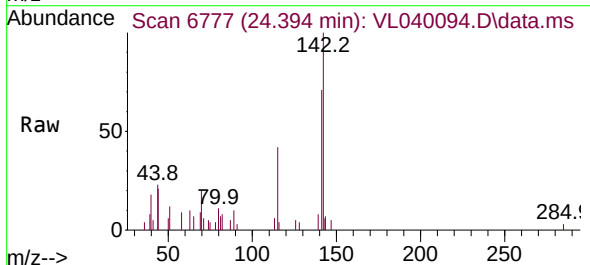
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

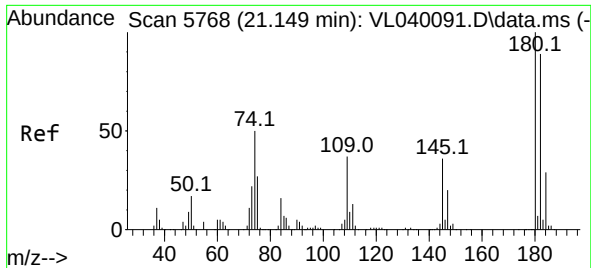
Tgt Ion:128 Resp: 23386
Ion Ratio Lower Upper
128 100
127 8.6 10.3 15.5#
129 5.5 8.8 13.2#



#80
Naphthalene,2-methyl-
Concen: 0.314 ppbv
RT: 24.394 min Scan# 6777
Delta R.T. 0.007 min
Lab File: VL040094.D
Acq: 16 Jan 2023 12:12

Tgt Ion:142 Resp: 16899
Ion Ratio Lower Upper
142 100
141 90.5 65.0 97.6
115 30.7 31.8 47.8#





#81

1,2,4-Trichlorobenzene

Concen: 0.238 ppbv

RT: 21.166 min Scan# 51

Delta R.T. 0.016 min

Lab File: VL040094.D

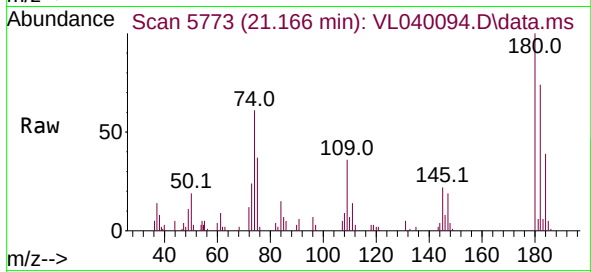
Acq: 16 Jan 2023 12:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 23380

Ion Ratio Lower Upper

180 100

182 155.1 78.6 117.8#

184 58.7 25.1 37.7#

