

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041301.D
 Acq On : 4 Jun 2024 11:10
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jun 05 04:14:16 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Fri May 24 23:11:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	980259	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2591384	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.462	117	2403049	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1866736 10.290 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	91015	0.686	ppbv	97
3) Chlorodifluoromethane	2.697	51	79809	0.536	ppbv	96
4) Chloromethane	2.838	50	30457	0.521	ppbv	99
5) Vinyl Chloride	2.948	62	30198	0.515	ppbv	90
6) Bromomethane	3.144	94	8966	0.419	ppbv	93
7) Chloroethane	3.218	64	10780	0.520	ppbv	92
8) Dichlorotetrafluoroethane	2.880	85	76312	0.556	ppbv	98
9) Propene	2.723	41	30194	0.518	ppbv	98
10) Heptane	7.584	43	27119	0.192	ppbv #	29
11) Trichlorofluoromethane	3.581	101	72973	0.542	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.083	101	50727	0.509	ppbv	97
13) Ethanol	3.282	45	4035	0.309	ppbv #	59
14) Bromoethene	3.388	108	21243	0.517	ppbv #	95
15) Acetone	3.501	43	58143	0.503	ppbv	97
16) 1,3-Butadiene	2.986	39	2460	0.042	ppbv #	10
17) tert-Butyl alcohol	3.909	59	50284	0.403	ppbv	97
18) 1,1-Dichloroethene	3.899	96	20342	0.458	ppbv	98
19) Isopropyl Alcohol	3.613	45	32213	0.424	ppbv #	49
20) Methylene Chloride	3.948	84	24222	0.602	ppbv	97
21) Allyl Chloride	4.009	41	36104	0.479	ppbv	91
22) trans-1,2-Dichloroethene	4.462	96	22507	0.487	ppbv	96
23) Vinyl Acetate	4.645	43	51932	0.408	ppbv #	92
24) 1,1-Dichloroethane	4.578	63	51048	0.515	ppbv #	95
25) Ethyl Acetate	5.221	43	109354	0.474	ppbv	98
26) Hexane	5.224	57	24840	0.241	ppbv #	1
27) Carbon Disulfide	4.144	76	49755	0.408	ppbv #	72
28) Methyl tert-Butyl Ether	4.607	73	36235	0.442	ppbv	93
29) Chloroform	5.285	83	75304	0.530	ppbv	87
30) Cyclohexane	6.610	84	17139	0.210	ppbv #	1
31) cis-1,2-Dichloroethene	5.089	61	46307	0.480	ppbv	97
32) 1,1,1-Trichloroethane	6.009	97	73626	0.519	ppbv	96
34) 2-Butanone	4.812	43	59000	0.447	ppbv	98
35) Carbon Tetrachloride	6.500	117	75569	0.520	ppbv #	84
36) Benzene	6.375	78	99933	0.460	ppbv	99
37) 1,2-Dichloroethane	5.816	62	60182	0.530	ppbv	99
38) Trichloroethene	7.288	130	19697	0.243	ppbv	88
39) 1,2-Dichloropropane	7.079	63	12232	0.146	ppbv #	54
41) Tetrahydrofuran	5.584	42	35090	0.368	ppbv	89
42) Bromodichloromethane	7.253	83	41253	0.254	ppbv #	95
43) Methyl Methacrylate	7.481	69	34540	0.393	ppbv	94
44) 2,2,4-Trimethylpentane	7.330	57	101019	0.269	ppbv #	54
45) t-1,3-Dichloropropene	8.713	75	20280	0.318	ppbv	98
46) cis-1,3-Dichloropropene	8.143	75	13704	0.176	ppbv	90

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Quant Time: Jun 05 04:14:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 24 23:11:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.902	97	17701	0.211	ppbv	92
48) Dibromochloromethane	9.713	129	27231	0.204	ppbv #	1
49) Bromoform	12.401	173	51131	0.450	ppbv	98
50) 4-Methyl-2-Pentanone	8.198	43	95227	0.402	ppbv	98
51) 2-Hexanone	9.565	43	22420	0.128	ppbv #	29
52) Tetrachloroethene	10.610	164	22613	0.296	ppbv #	83
53) Toluene	9.217	91	110445	0.438	ppbv	99
54) 1,2-Dibromoethane	10.005	107	29983	0.264	ppbv	92
56) 1,1,1,2-Tetrachloroethane	11.507	131	3234	0.033	ppbv #	9
57) Chlorobenzene	11.523	112	94224	0.535	ppbv	91
58) Ethyl Benzene	12.085	91	153781	0.467	ppbv	98
59) m/p-Xylene	12.368	91	122143	0.441	ppbv #	24
60) o-Xylene	13.053	91	127549	0.491	ppbv	98
61) Styrene	12.886	104	22334	0.163	ppbv #	1
62) Isopropylbenzene	14.024	105	195726	0.504	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	91373	0.516	ppbv	97
64) n-propylbenzene	14.912	120	49529	0.511	ppbv	99
65) tert-Butylbenzene	16.085	119	172978	0.497	ppbv	99
66) Benzyl Chloride	16.317	91	1495	0.038	ppbv #	62
67) sec-Butylbenzene	16.629	105	241479	0.493	ppbv	99
69) p-Isopropyltoluene	16.989	119	192579	0.477	ppbv	97
70) n-Butylbenzene	17.886	91	198312	0.471	ppbv	97
71) 2-Chlorotoluene	14.793	91	150020	0.507	ppbv	98
72) 4-Ethyltoluene	15.185	105	73068	0.248	ppbv #	57
73) 1,3,5-Trimethylbenzene	15.349	105	123389	0.464	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	143873	0.495	ppbv	97
75) 1,3-Dichlorobenzene	16.323	146	84045	0.504	ppbv	95
76) 1,4-Dichlorobenzene	16.462	146	33302	0.208	ppbv #	23
77) 1,2-Dichlorobenzene	17.137	146	51627	0.310	ppbv #	44
78) Hexachloro-1,3-Butadiene	22.622	225	41883	0.283	ppbv #	18
79) Naphthalene	21.381	128	98975	0.358	ppbv #	93
80) Naphthalene,2-methyl-	24.371	142	7326	0.066	ppbv #	68
81) 1,2,4-Trichlorobenzene	21.130	180	22197	0.152	ppbv #	1

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

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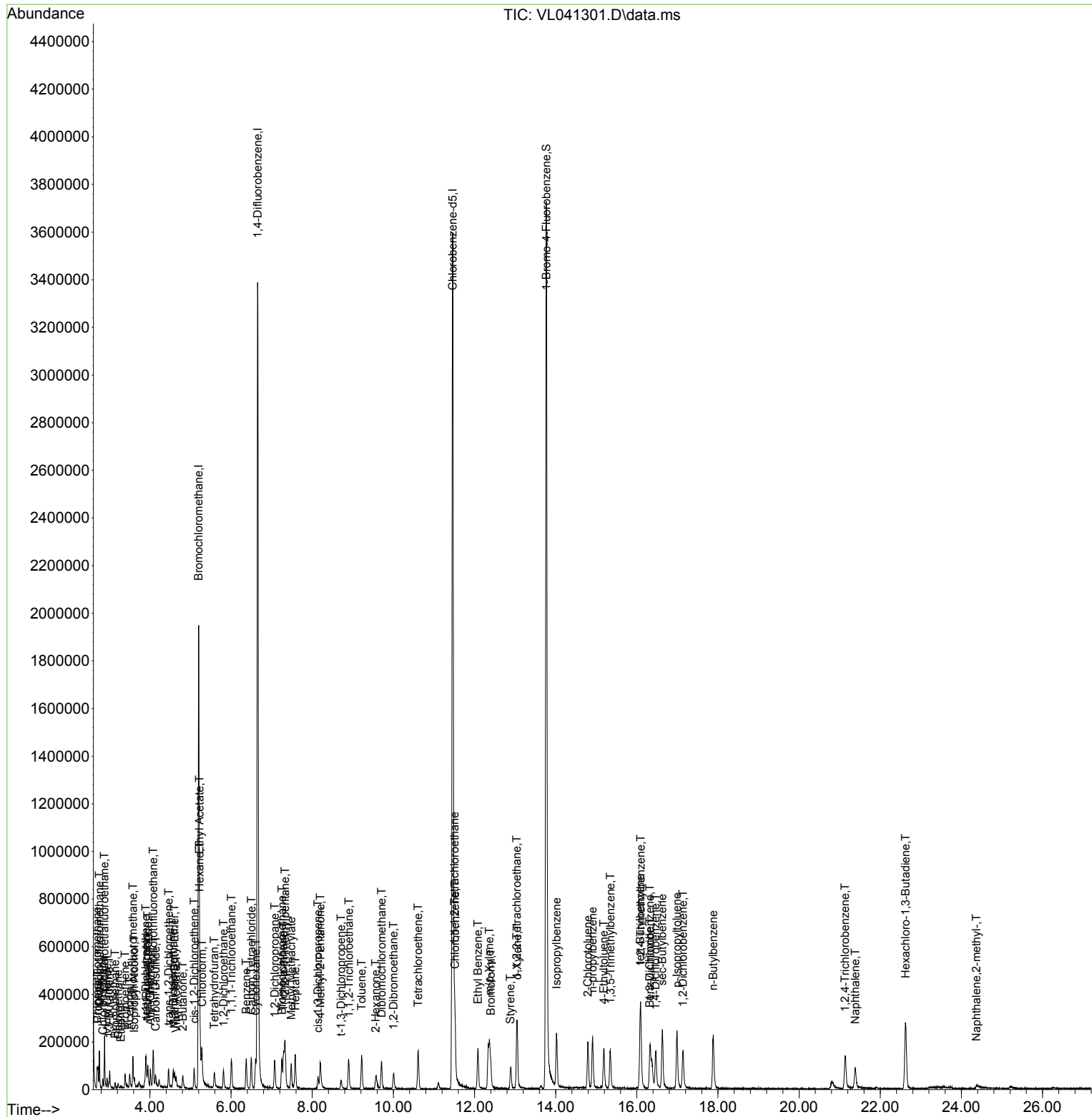
Quant Time: Jun 05 04:14:16 2024

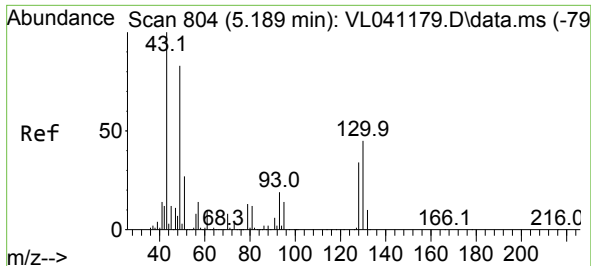
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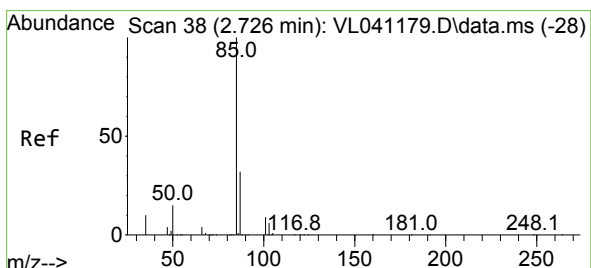
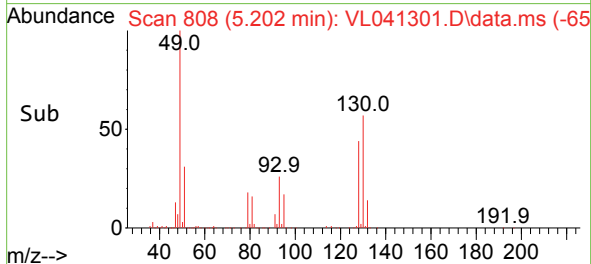
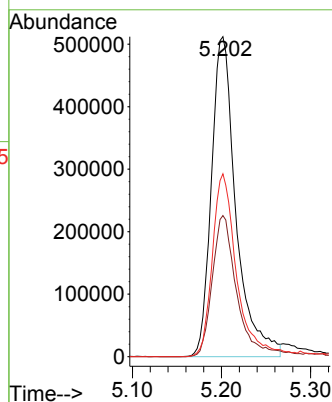
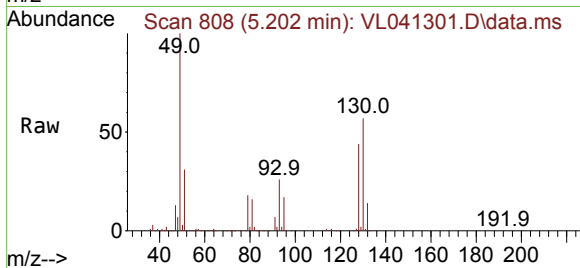




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.202 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

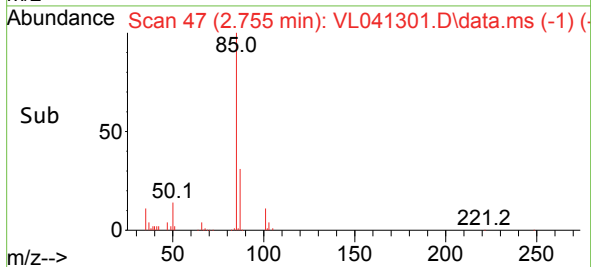
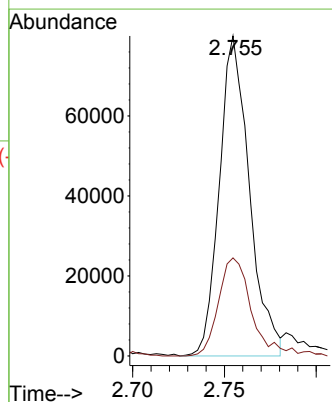
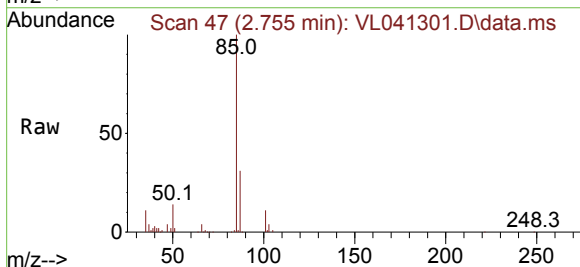
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

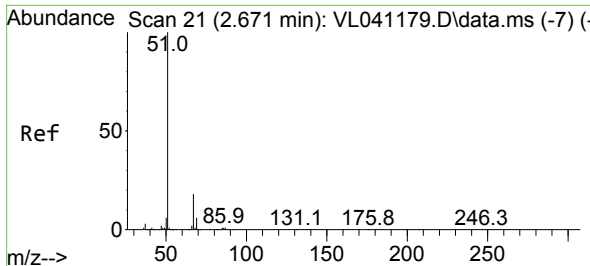
Tgt Ion: 49 Resp: 980259
 Ion Ratio Lower Upper
 49 100
 128 46.2 21.5 64.5
 130 58.9 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 0.686 ppbv
 RT: 2.755 min Scan# 47
 Delta R.T. 0.010 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

Tgt Ion: 85 Resp: 91015
 Ion Ratio Lower Upper
 85 100
 87 30.7 25.7 38.5

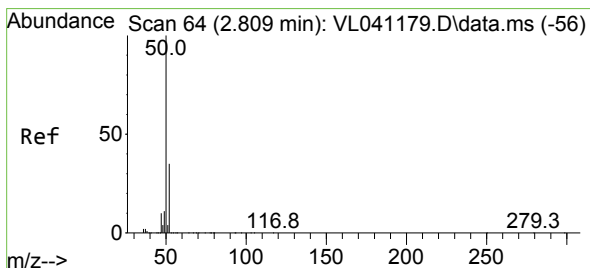
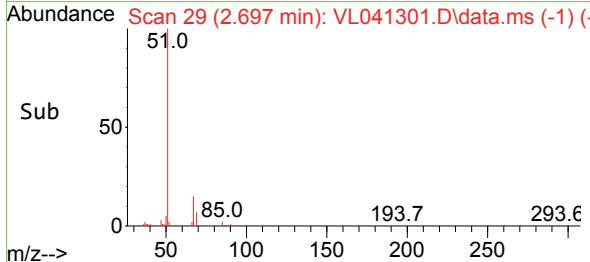
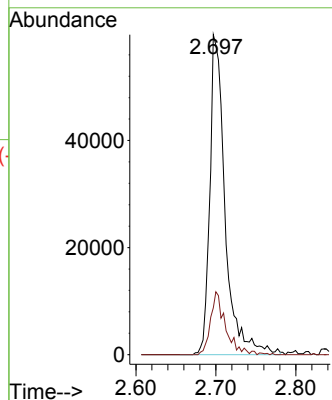
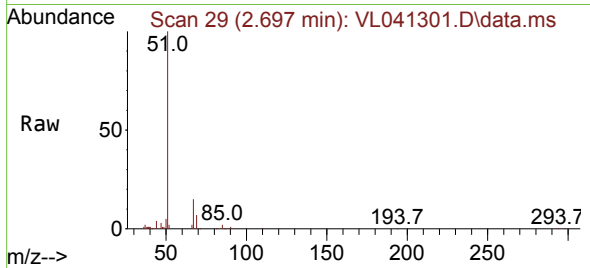




#3
Chlorodifluoromethane
Concen: 0.536 ppbv
RT: 2.697 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

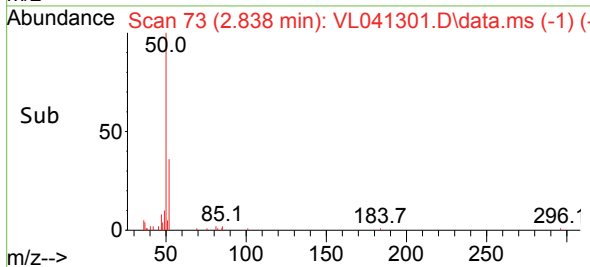
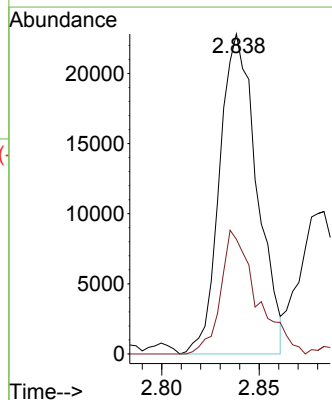
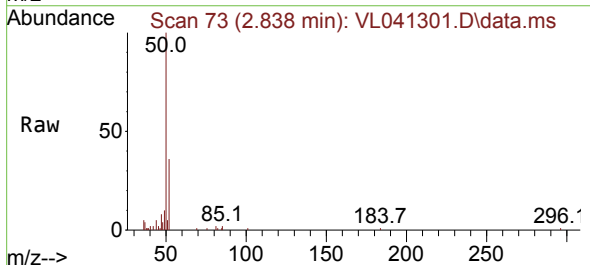
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

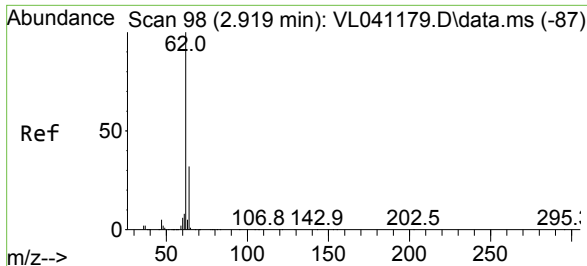
Tgt Ion: 51 Resp: 79809
Ion Ratio Lower Upper
51 100
67 19.2 14.0 21.0



#4
Chloromethane
Concen: 0.521 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.010 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 50 Resp: 30457
Ion Ratio Lower Upper
50 100
52 35.8 28.3 42.5

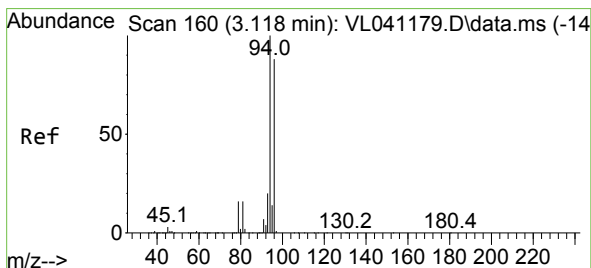
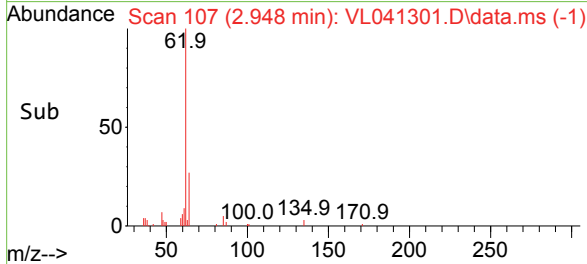
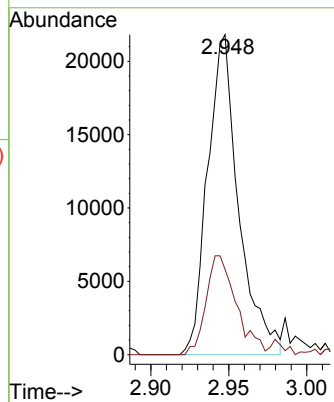
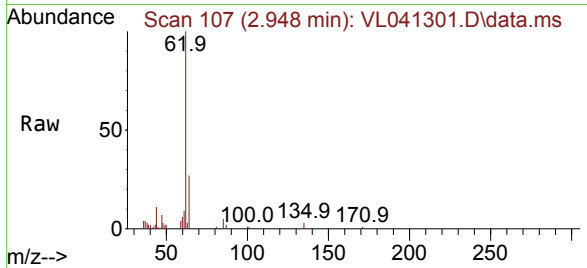




#5
 Vinyl Chloride
 Concen: 0.515 ppbv
 RT: 2.948 min Scan# 107
 Delta R.T. 0.013 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

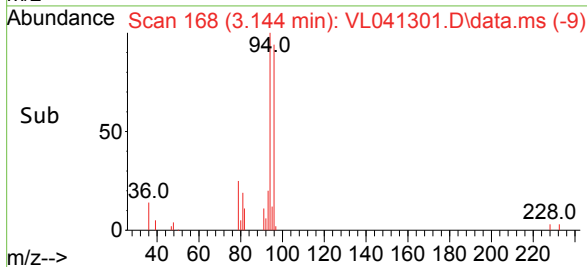
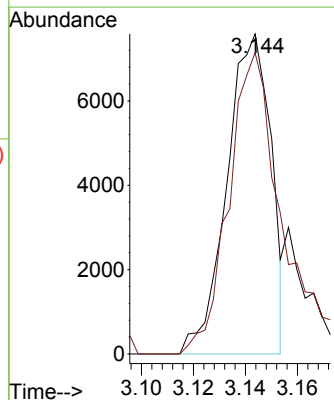
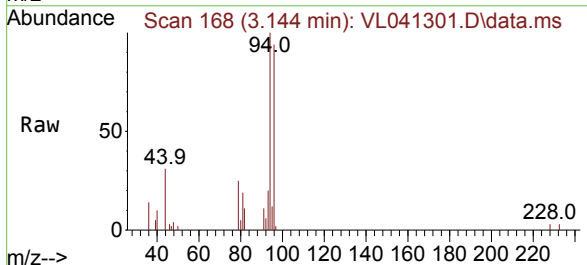
Instrument :
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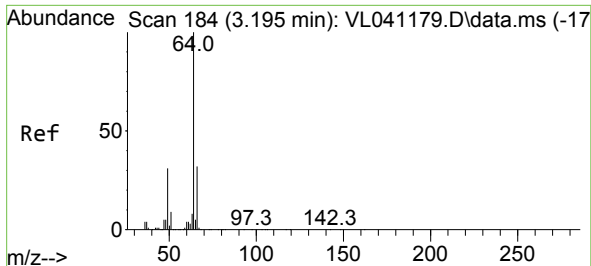
Tgt Ion: 62 Resp: 30198
 Ion Ratio Lower Upper
 62 100
 64 26.7 25.7 38.5



#6
 Bromomethane
 Concen: 0.419 ppbv
 RT: 3.144 min Scan# 168
 Delta R.T. 0.010 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

Tgt Ion: 94 Resp: 8966
 Ion Ratio Lower Upper
 94 100
 96 94.2 70.1 105.1

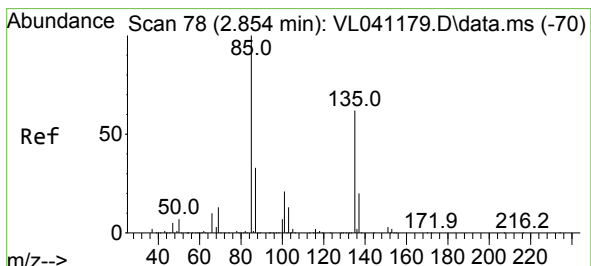
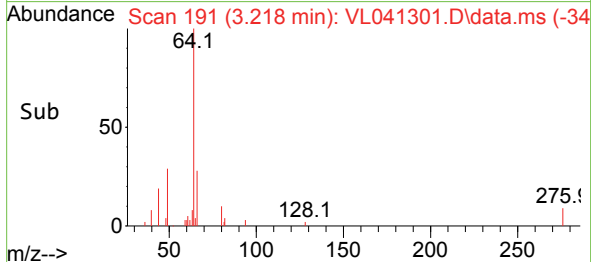
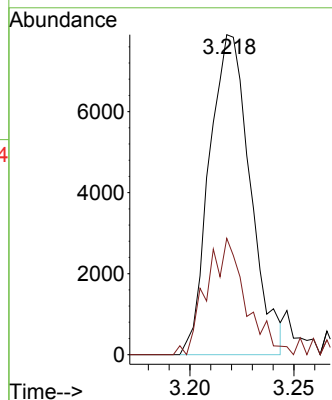
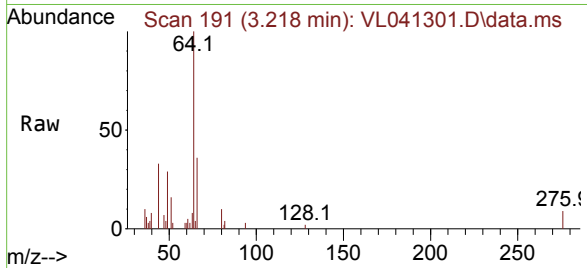




#7
Chloroethane
Concen: 0.520 ppbv
RT: 3.218 min Scan# 191
Delta R.T. 0.003 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

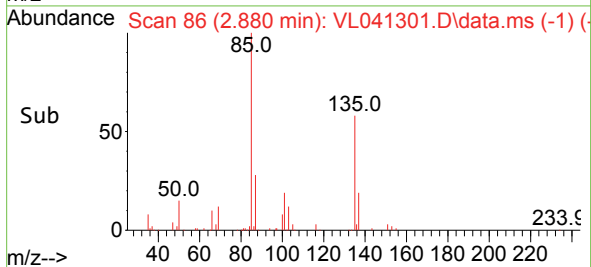
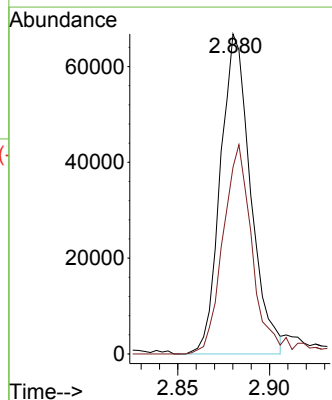
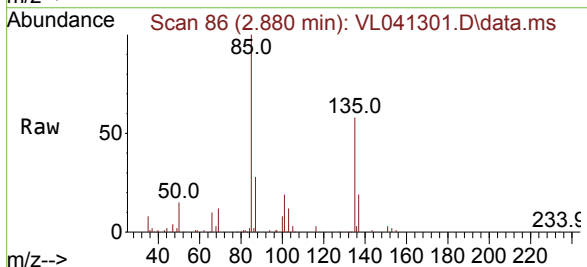
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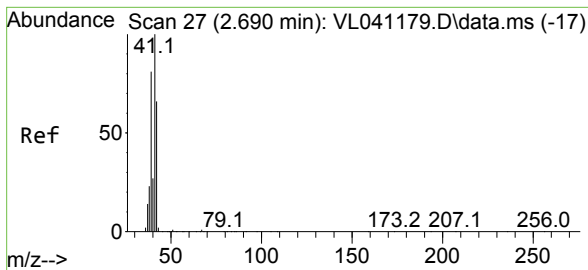
Tgt Ion: 64 Resp: 10780
Ion Ratio Lower Upper
64 100
66 36.4 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 0.556 ppbv
RT: 2.880 min Scan# 86
Delta R.T. 0.007 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 85 Resp: 76312
Ion Ratio Lower Upper
85 100
135 65.7 51.5 77.3

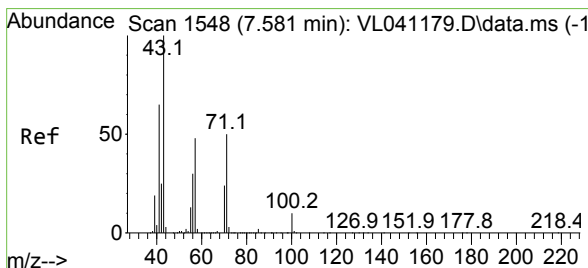
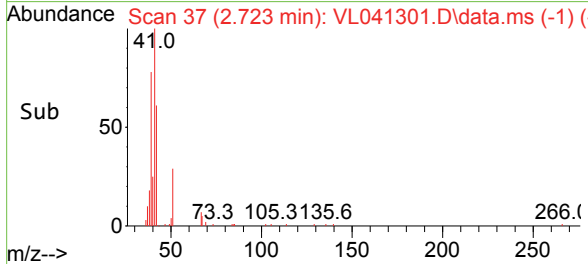
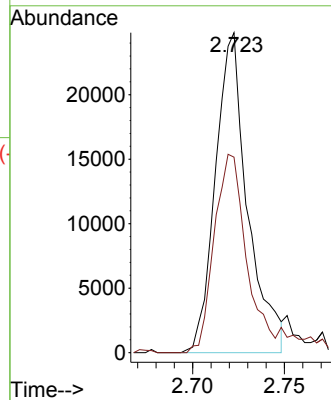
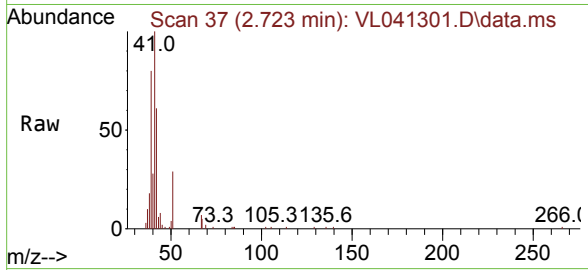




#9
 Propene
 Concen: 0.518 ppbv
 RT: 2.723 min Scan# 31
 Delta R.T. 0.013 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

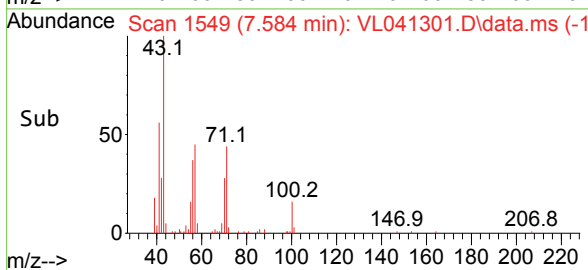
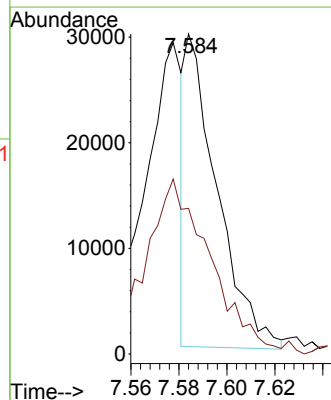
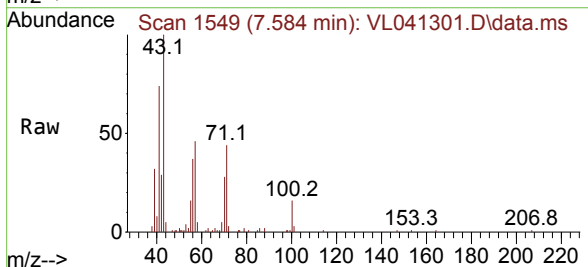
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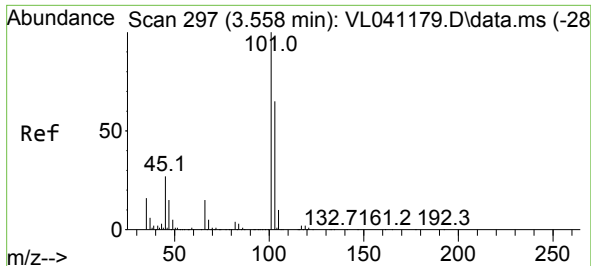
Tgt Ion: 41 Resp: 30194
 Ion Ratio Lower Upper
 41 100
 42 71.0 55.3 82.9



#10
 Heptane
 Concen: 0.192 ppbv
 RT: 7.584 min Scan# 1549
 Delta R.T. -0.013 min
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 Acq: 4 Jun 2024 11:10

Tgt Ion: 43 Resp: 27119
 Ion Ratio Lower Upper
 43 100
 57 0.0 38.7 58.1#

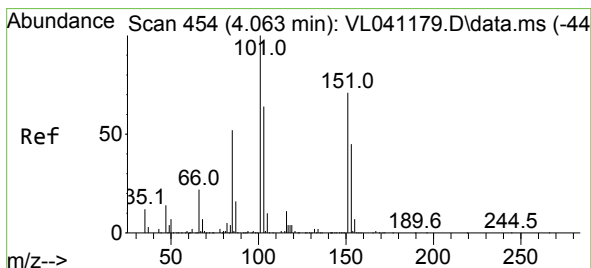
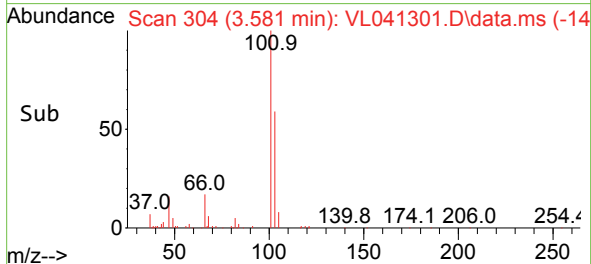
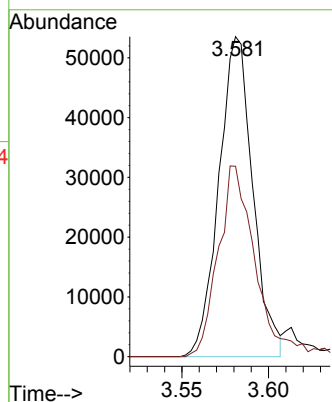
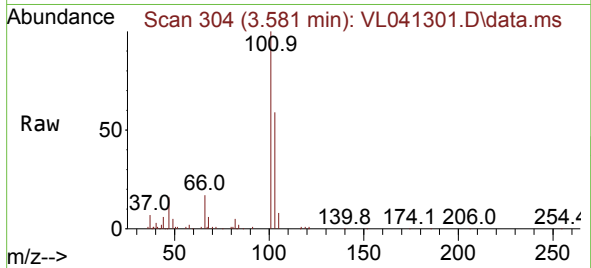




#11
 Trichlorofluoromethane
 Concen: 0.542 ppbv
 RT: 3.581 min Scan# 304
 Delta R.T. 0.003 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

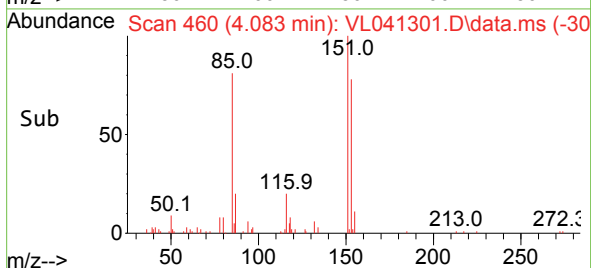
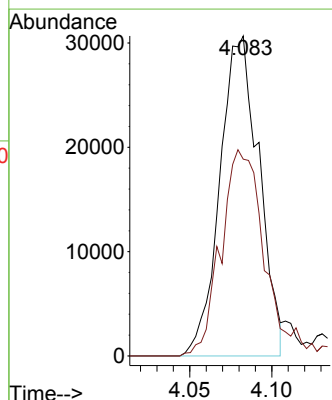
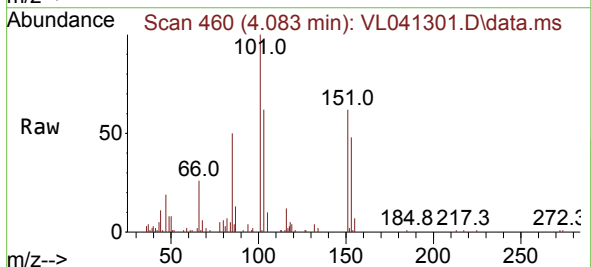
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

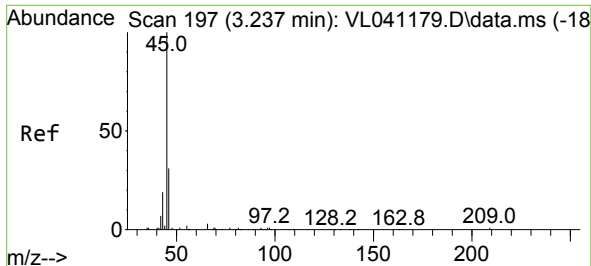
Tgt Ion:101 Resp: 72973
 Ion Ratio Lower Upper
 101 100
 103 59.5 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.509 ppbv
 RT: 4.083 min Scan# 460
 Delta R.T. 0.003 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

Tgt Ion:101 Resp: 50727
 Ion Ratio Lower Upper
 101 100
 151 73.4 56.8 85.2

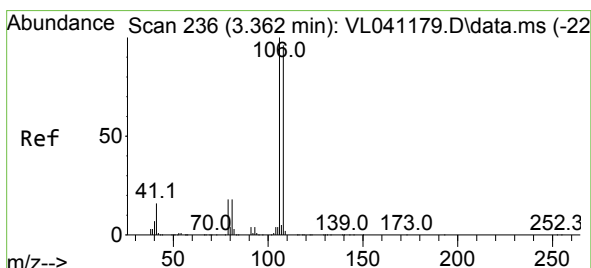
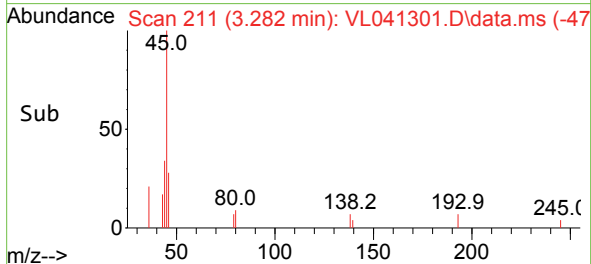
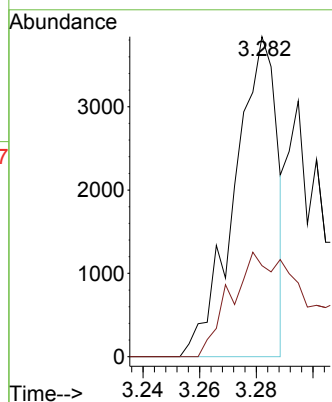
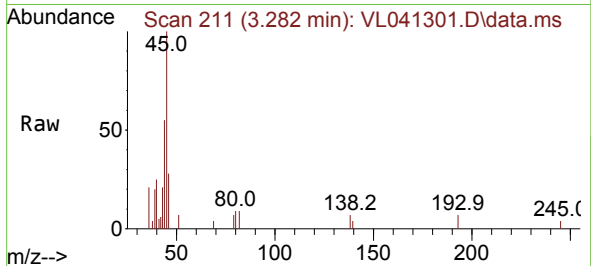




#13
Ethanol
Concen: 0.309 ppbv
RT: 3.282 min Scan# 211
Delta R.T. 0.026 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

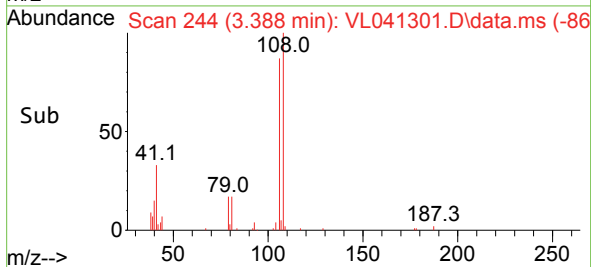
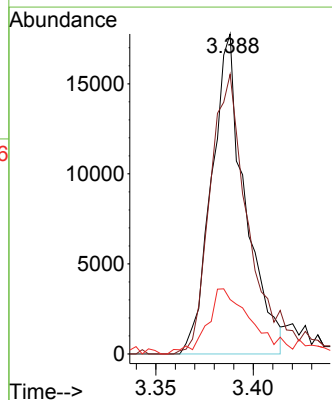
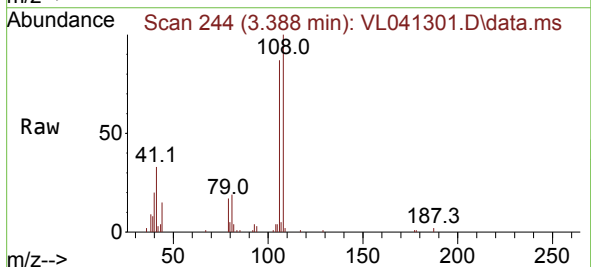
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

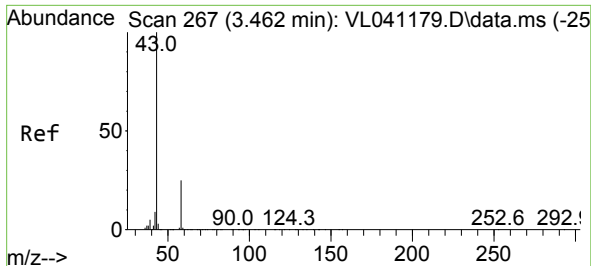
Tgt Ion: 45 Resp: 4035
Ion Ratio Lower Upper
45 100
46 61.2 14.8 59.0#



#14
Bromoethene
Concen: 0.517 ppbv
RT: 3.388 min Scan# 244
Delta R.T. 0.007 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 108 Resp: 21243
Ion Ratio Lower Upper
108 100
106 107.6 88.2 132.4
79 30.0 17.4 26.0#

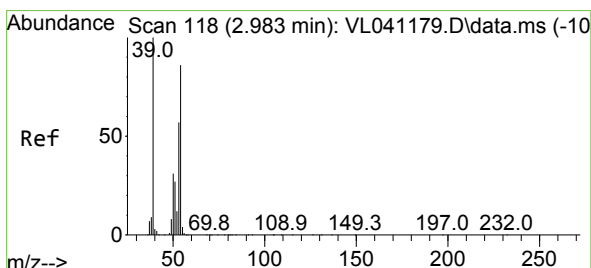
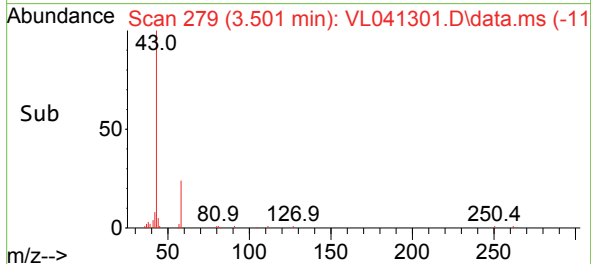
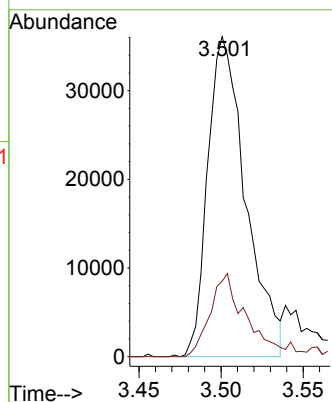
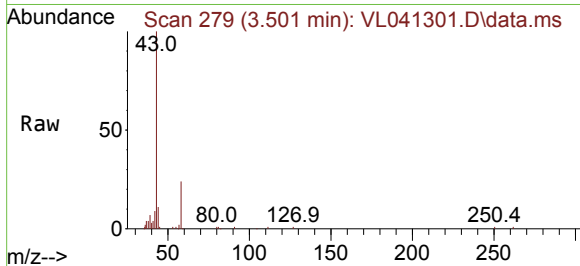




#15
Acetone
Concen: 0.503 ppbv
RT: 3.501 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

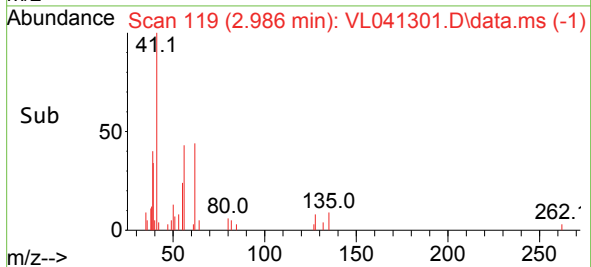
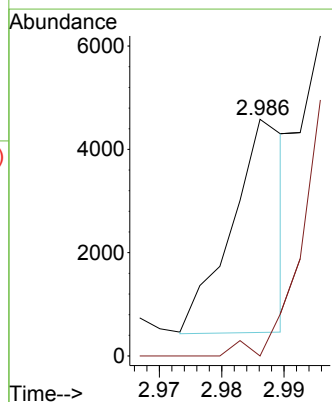
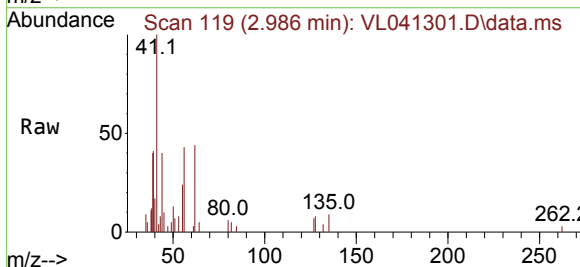
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

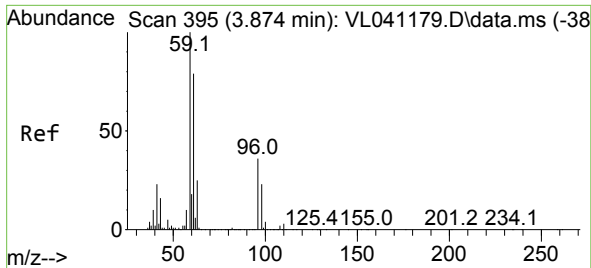
Tgt Ion: 43 Resp: 58143
Ion Ratio Lower Upper
43 100
58 25.0 21.4 32.0



#16
1,3-Butadiene
Concen: 0.042 ppbv
RT: 2.986 min Scan# 119
Delta R.T. -0.013 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 39 Resp: 2460
Ion Ratio Lower Upper
39 100
54 0.0 62.2 93.4#

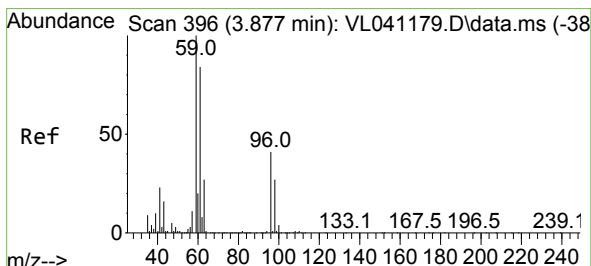
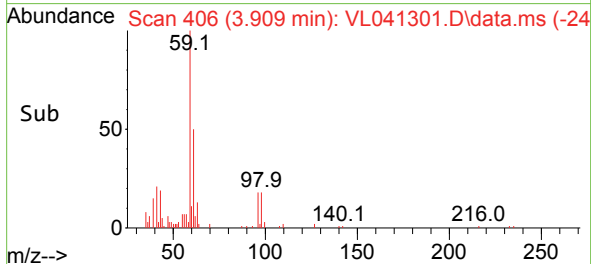
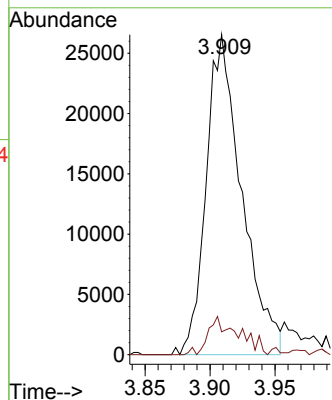
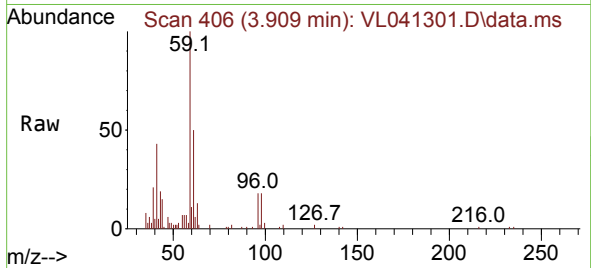




#17
tert-Butyl alcohol
Concen: 0.403 ppbv
RT: 3.909 min Scan# 406
Delta R.T. 0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

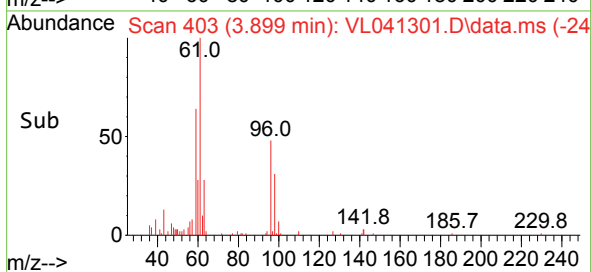
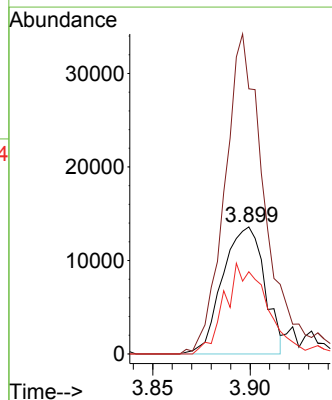
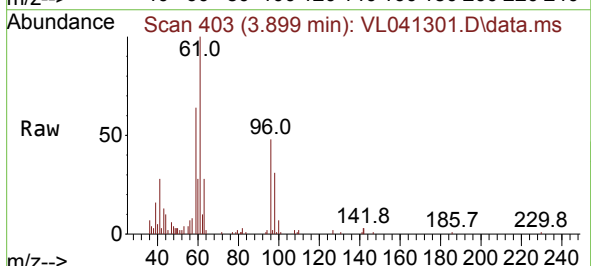
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

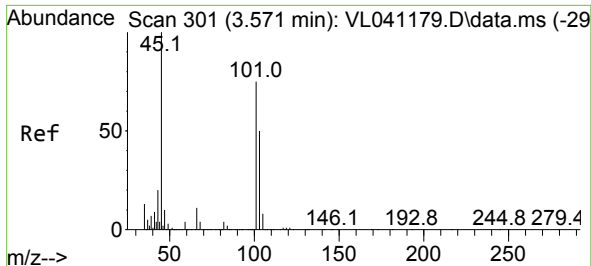
Tgt Ion: 59 Resp: 50284
Ion Ratio Lower Upper
59 100
57 11.5 8.4 12.6



#18
1,1-Dichloroethene
Concen: 0.458 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.003 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 96 Resp: 20342
Ion Ratio Lower Upper
96 100
61 208.7 164.4 246.6
98 64.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.424 ppbv

RT: 3.613 min Scan# 314

Delta R.T. 0.023 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

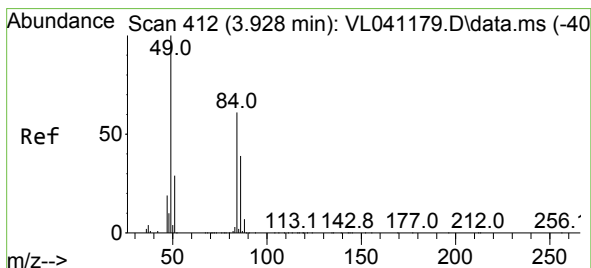
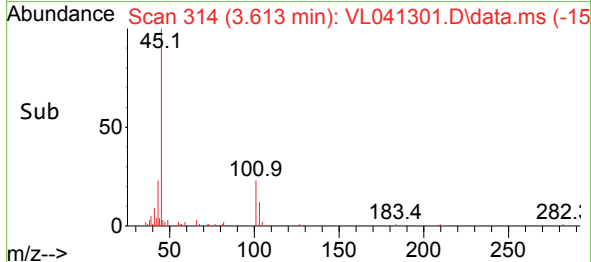
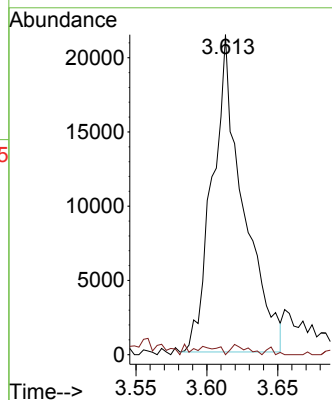
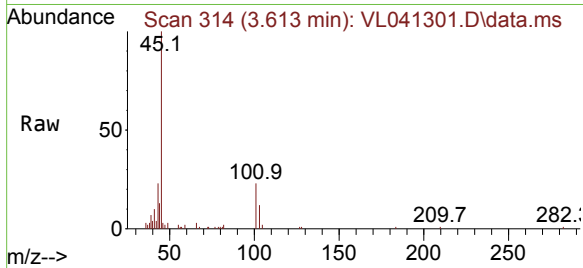
VSTDIC0.5

Tgt Ion: 45 Resp: 32213

Ion Ratio Lower Upper

45 100

58 4.5 26.8 40.2#



#20

Methylene Chloride

Concen: 0.602 ppbv

RT: 3.948 min Scan# 418

Delta R.T. 0.000 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Tgt Ion: 84 Resp: 24222

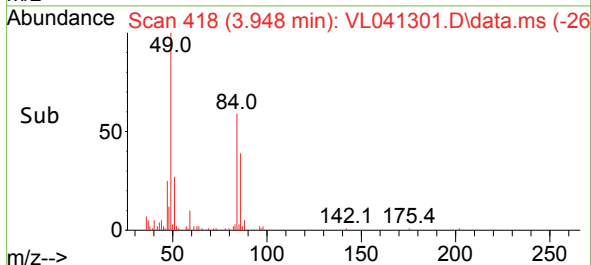
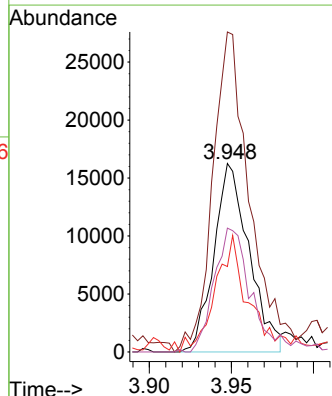
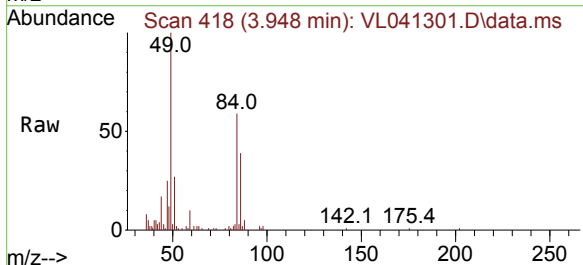
Ion Ratio Lower Upper

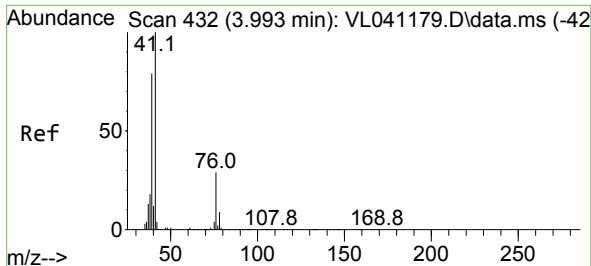
84 100

49 167.0 130.4 195.6

51 45.4 38.0 57.0

86 64.4 50.3 75.5





#21

Allyl Chloride

Concen: 0.479 ppbv

RT: 4.009 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

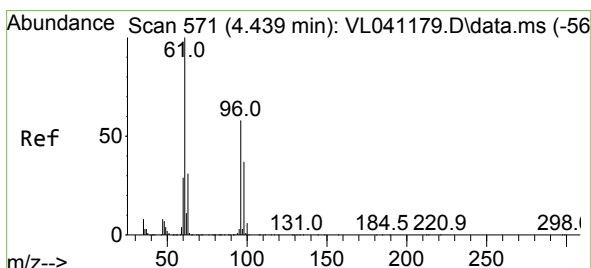
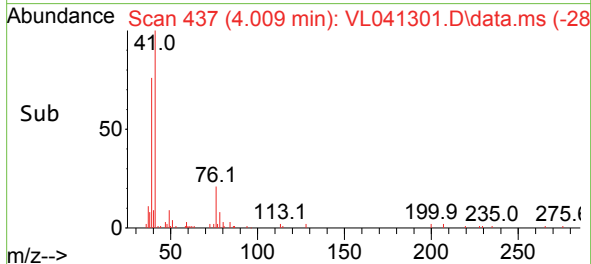
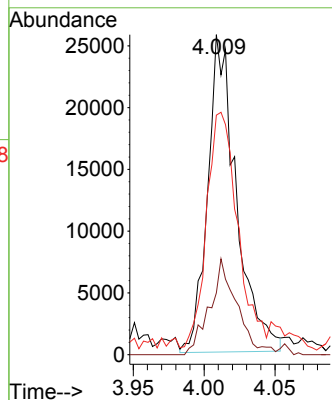
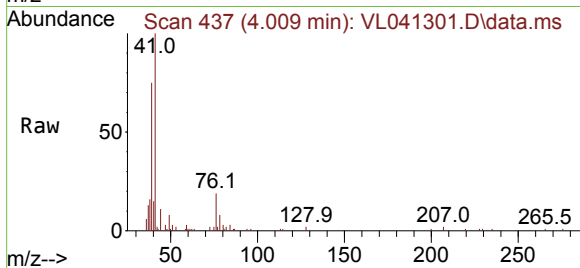
Tgt Ion: 41 Resp: 36104

Ion Ratio Lower Upper

41 100

76 29.9 23.7 35.5

39 91.2 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 0.487 ppbv

RT: 4.462 min Scan# 578

Delta R.T. 0.000 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

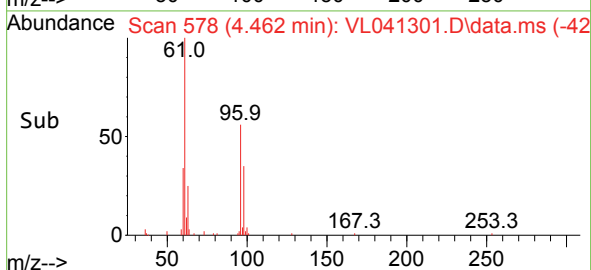
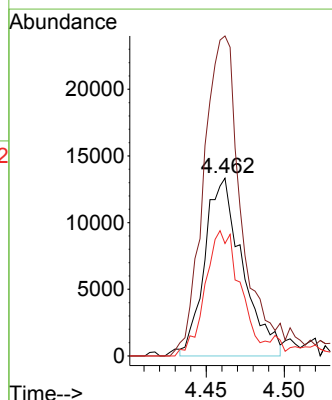
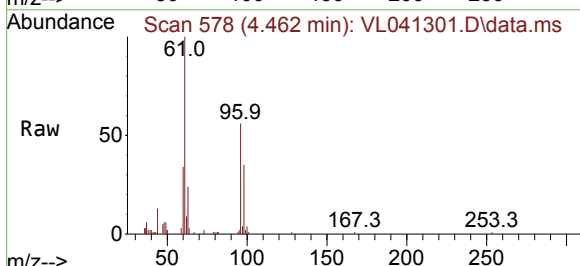
Tgt Ion: 96 Resp: 22507

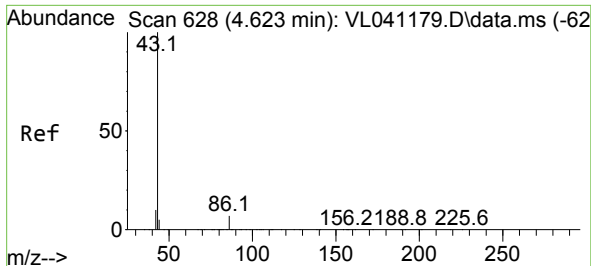
Ion Ratio Lower Upper

96 100

61 179.5 137.6 206.4

98 61.9 50.6 76.0

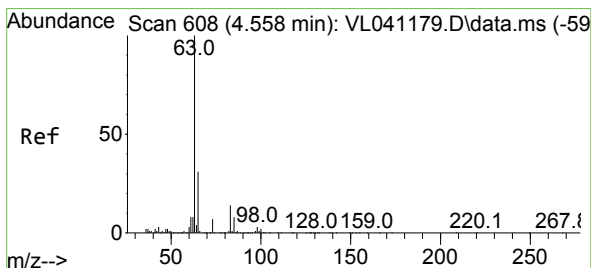
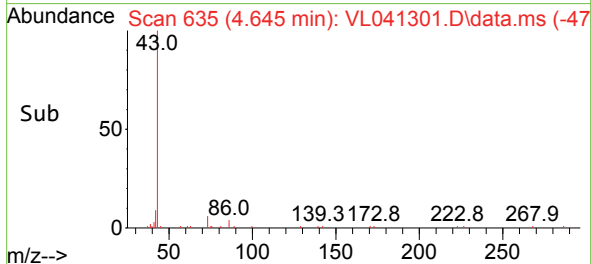
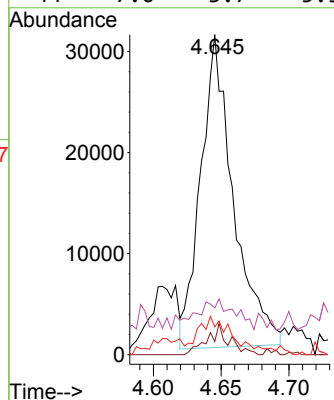
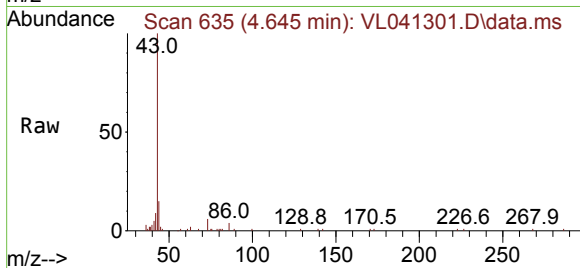




#23
Vinyl Acetate
Concen: 0.408 ppbv
RT: 4.645 min Scan# 614
Delta R.T. 0.007 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

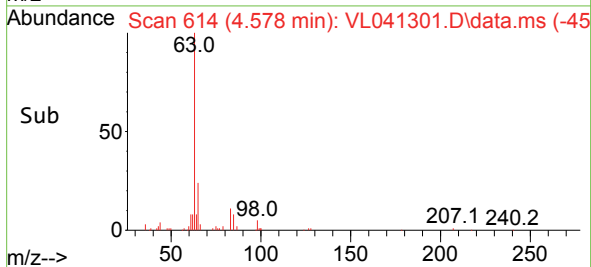
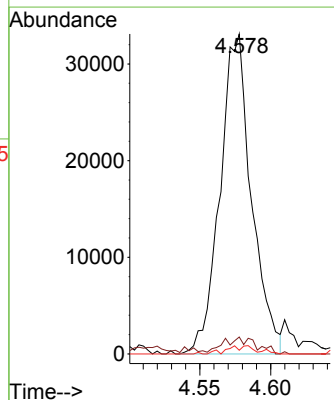
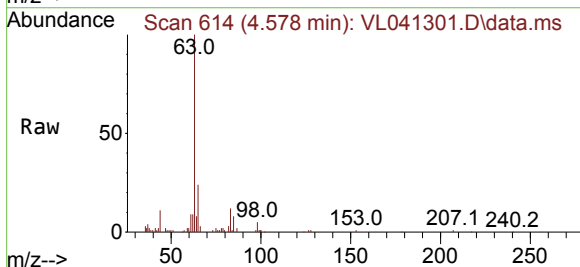
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

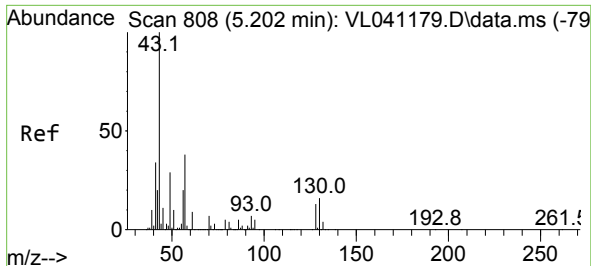
Tgt Ion:	43	Resp:	51932
Ion	Ratio	Lower	Upper
43	100		
86	4.4	4.9	7.3#
42	6.3	8.0	12.0#
44	7.0	3.7	5.5#



#24
1,1-Dichloroethane
Concen: 0.515 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.000 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion:	63	Resp:	51048
Ion	Ratio	Lower	Upper
63	100		
98	5.3	1.6	4.8#
100	1.1	1.1	3.5#





#25

Ethyl Acetate

Concen: 0.474 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.000 min

Lab File: VL041301.D

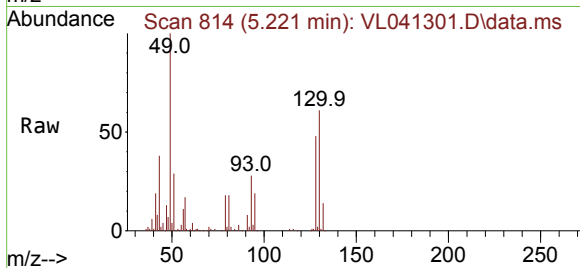
Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion: 43 Resp: 109354

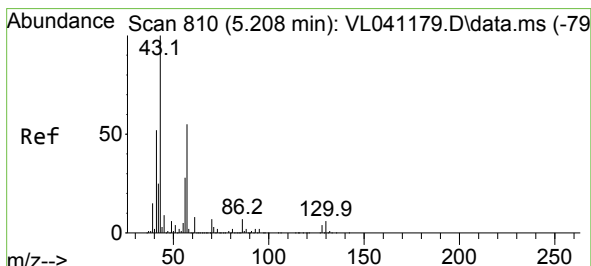
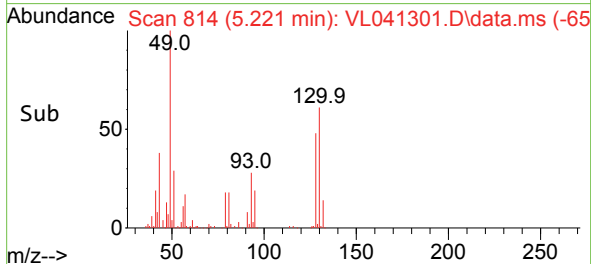
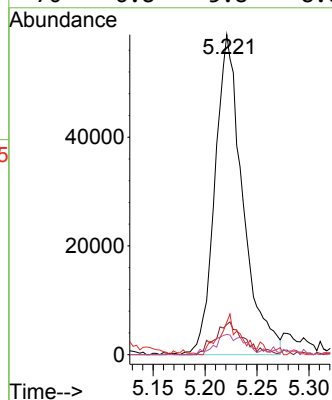
Ion Ratio Lower Upper

43 100

45 11.4 8.2 12.2

61 10.4 7.7 11.5

70 6.8 5.8 8.6



#26

Hexane

Concen: 0.241 ppbv

RT: 5.224 min Scan# 815

Delta R.T. -0.003 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Tgt Ion: 57 Resp: 24840

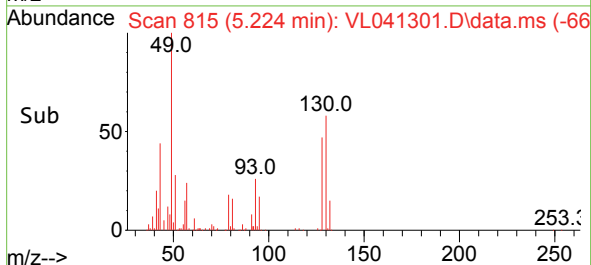
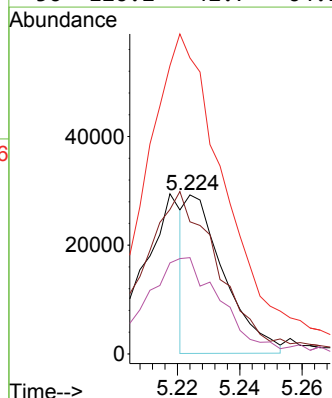
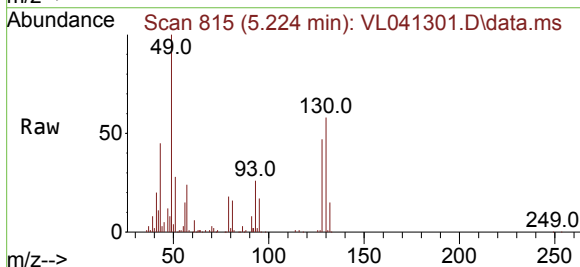
Ion Ratio Lower Upper

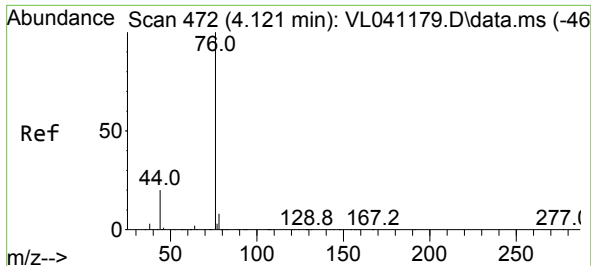
57 100

41 0.0 75.8 113.8#

43 0.0 187.0 280.4#

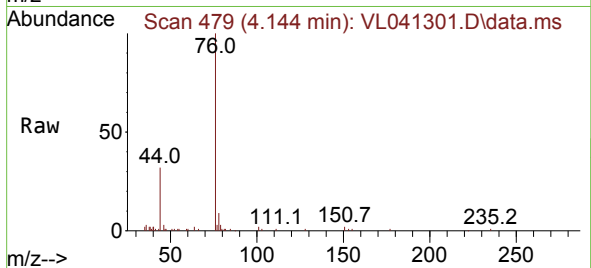
56 126.2 42.7 64.1#



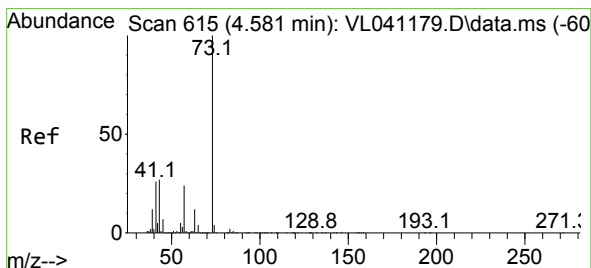
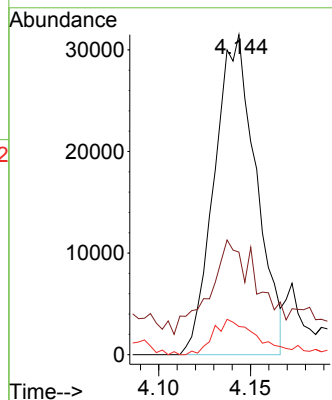
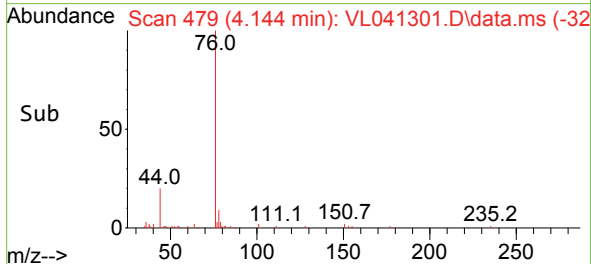


#27
Carbon Disulfide
Concen: 0.408 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

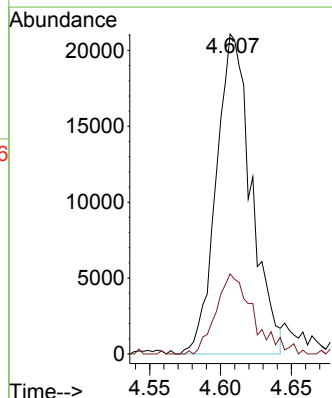
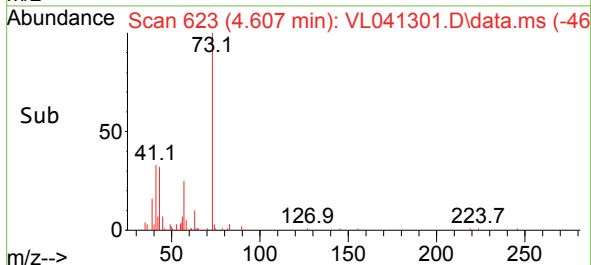
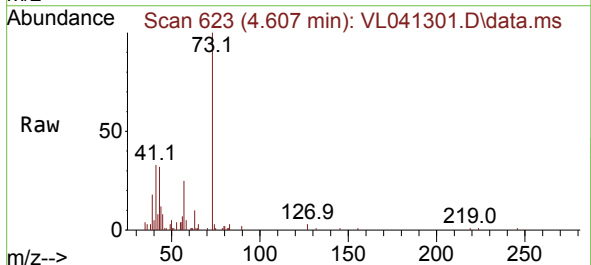


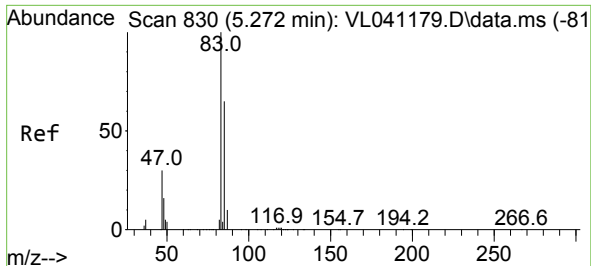
Tgt Ion: 76 Resp: 49755
Ion Ratio Lower Upper
76 100
44 37.1 16.3 24.5#
78 12.5 7.3 10.9#



#28
Methyl tert-Butyl Ether
Concen: 0.442 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.007 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 73 Resp: 36235
Ion Ratio Lower Upper
73 100
57 26.7 18.8 28.2





#29

Chloroform

Concen: 0.530 ppbv

RT: 5.285 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

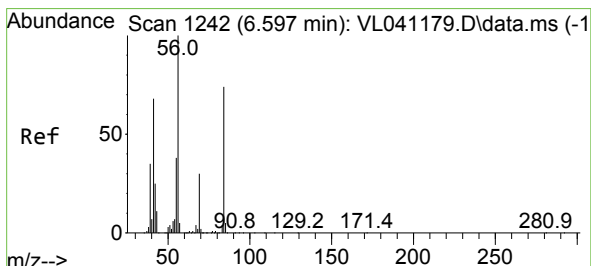
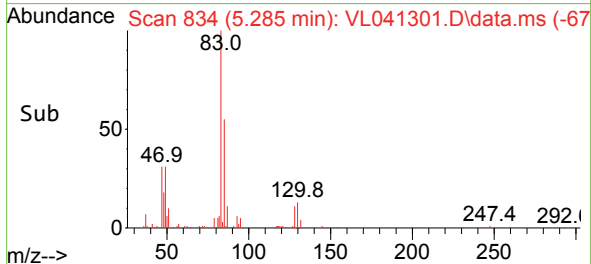
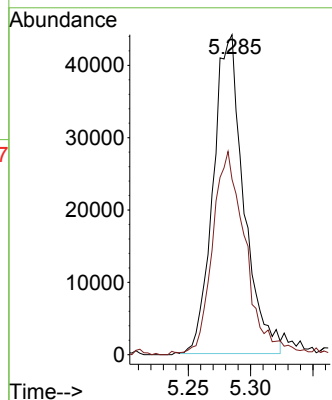
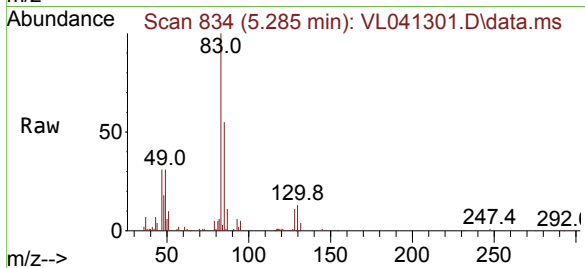
VSTDICC0.5

Tgt Ion: 83 Resp: 75304

Ion Ratio Lower Upper

83 100

85 54.3 51.7 77.5



#30

Cyclohexane

Concen: 0.210 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. -0.006 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

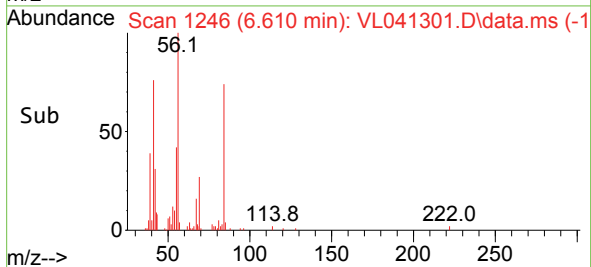
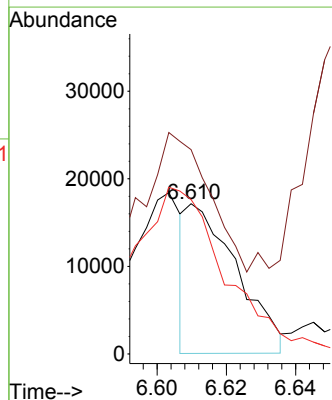
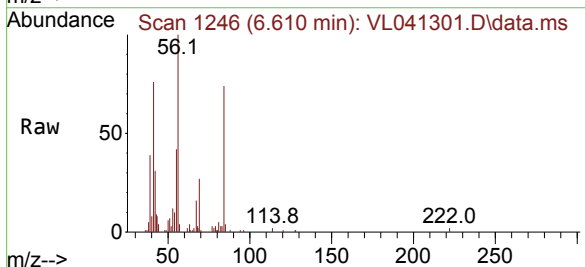
Tgt Ion: 84 Resp: 17139

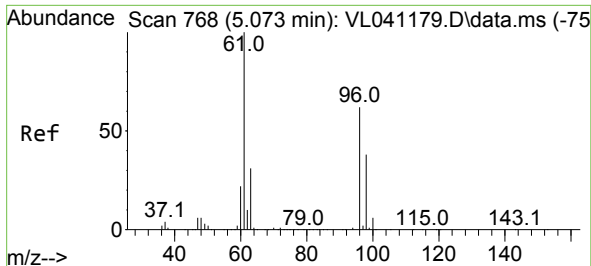
Ion Ratio Lower Upper

84 100

56 0.0 116.8 175.2#

41 0.0 73.8 110.8#

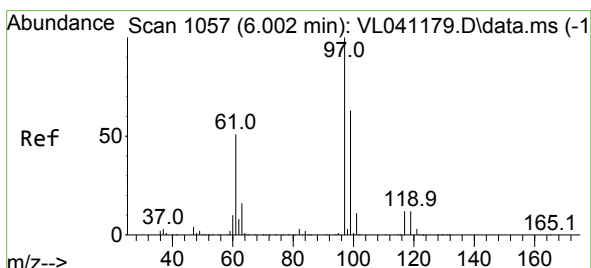
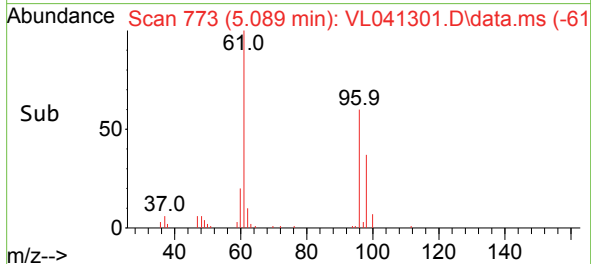
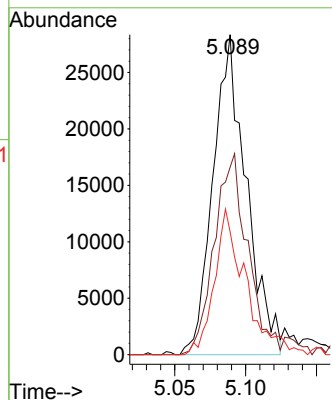
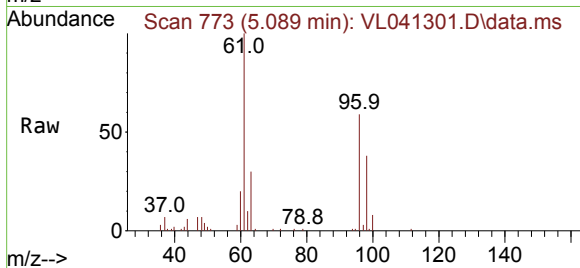




#31
 cis-1,2-Dichloroethene
 Concen: 0.480 ppbv
 RT: 5.089 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

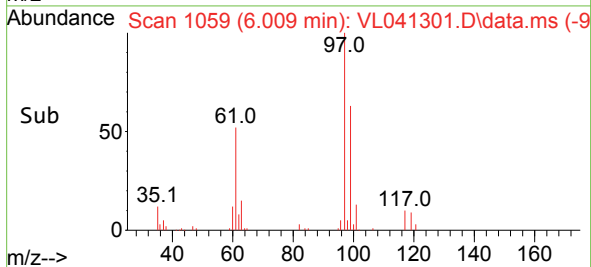
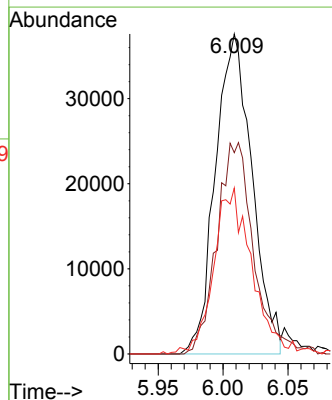
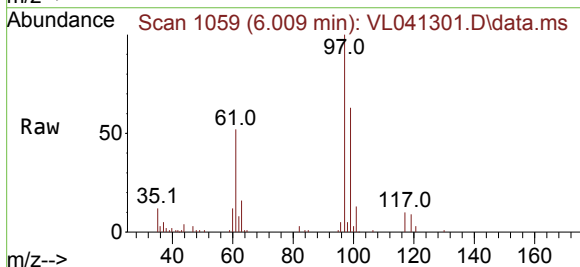
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

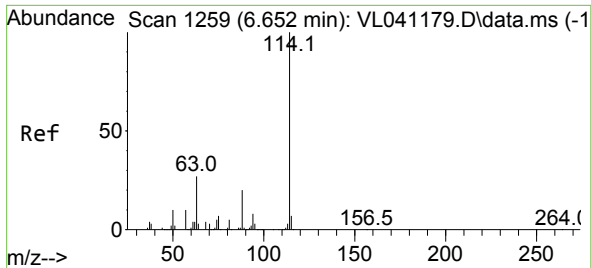
Tgt Ion: 61 Resp: 46307
 Ion Ratio Lower Upper
 61 100
 96 58.6 49.8 74.6
 98 38.4 30.0 45.0



#32
 1,1,1-Trichloroethane
 Concen: 0.519 ppbv
 RT: 6.009 min Scan# 1059
 Delta R.T. -0.010 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

Tgt Ion: 97 Resp: 73626
 Ion Ratio Lower Upper
 97 100
 99 66.8 51.7 77.5
 61 54.7 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.013 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

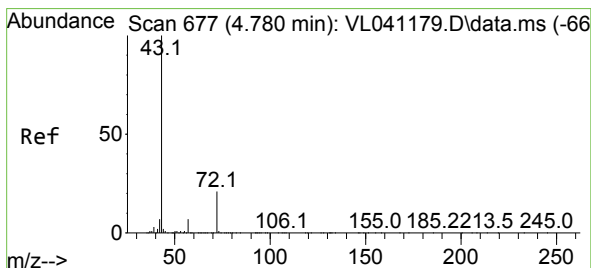
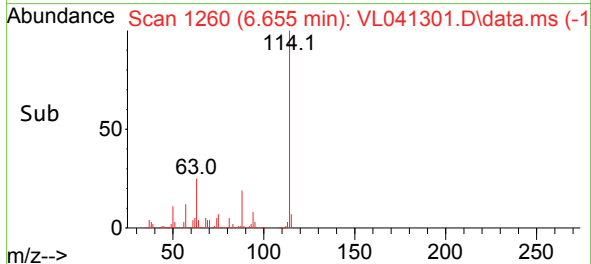
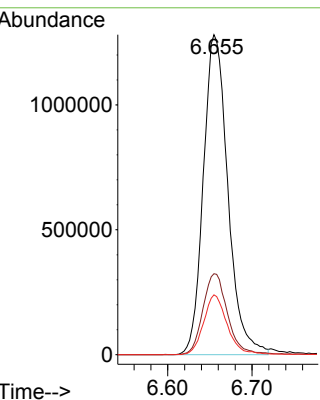
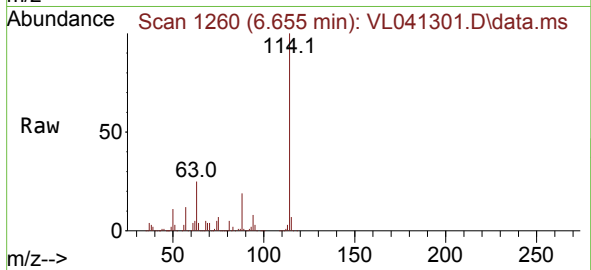
Tgt Ion:114 Resp: 2591384

Ion Ratio Lower Upper

114 100

63 25.7 21.8 32.6

88 18.2 15.2 22.8



#34

2-Butanone

Concen: 0.447 ppbv

RT: 4.812 min Scan# 687

Delta R.T. 0.013 min

Lab File: VL041301.D

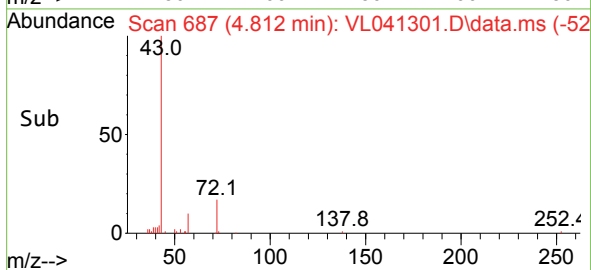
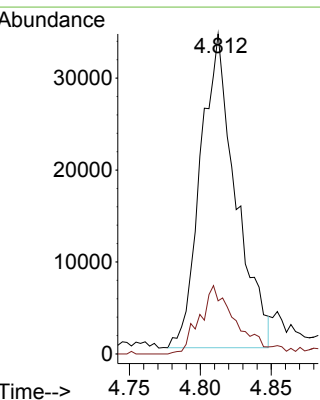
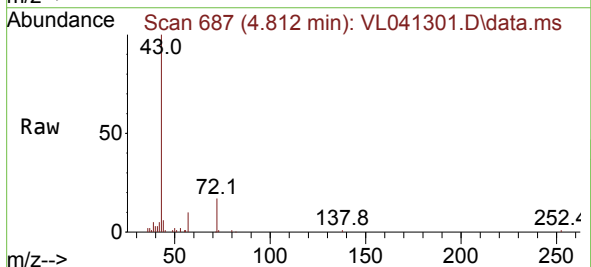
Acq: 4 Jun 2024 11:10

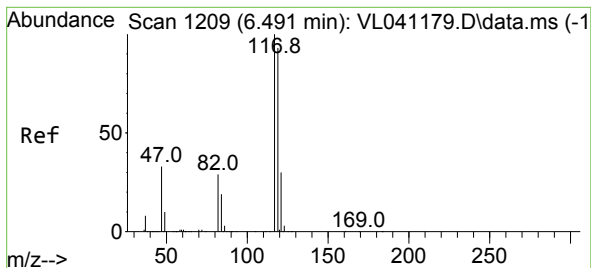
Tgt Ion: 43 Resp: 59000

Ion Ratio Lower Upper

43 100

72 22.7 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.520 ppbv

RT: 6.500 min Scan# 117

Delta R.T. -0.010 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

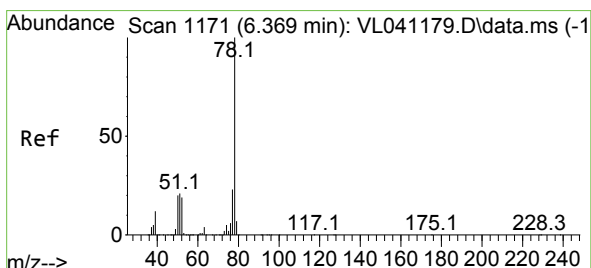
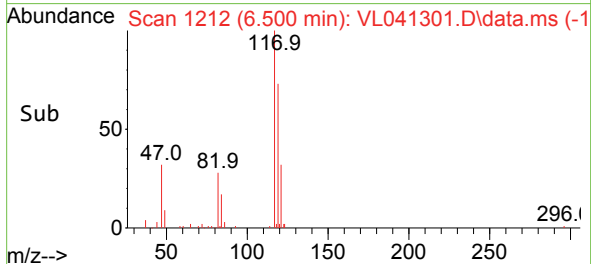
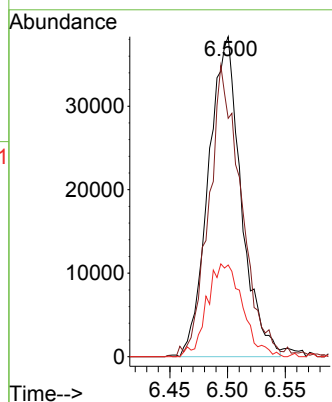
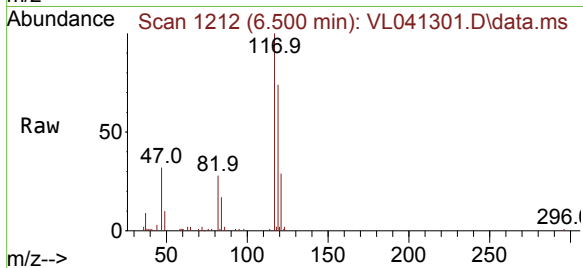
Tgt Ion:117 Resp: 75569

Ion Ratio Lower Upper

117 100

119 72.8 74.3 111.5#

121 28.6 23.8 35.8



#36

Benzene

Concen: 0.460 ppbv

RT: 6.375 min Scan# 1173

Delta R.T. -0.010 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

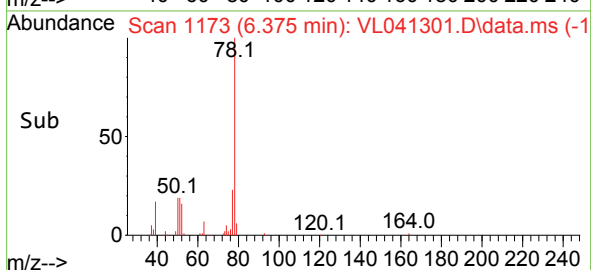
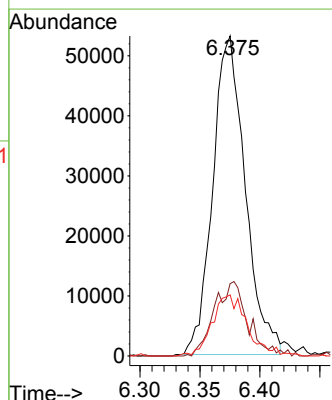
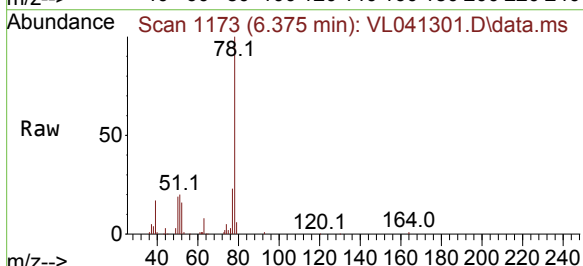
Tgt Ion: 78 Resp: 99933

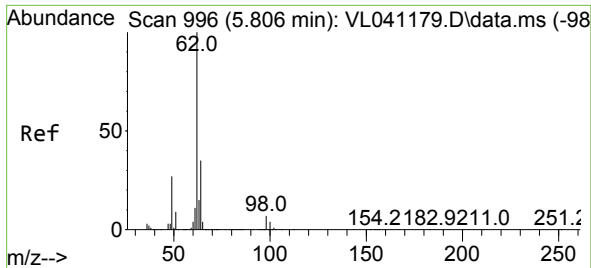
Ion Ratio Lower Upper

78 100

77 22.7 18.3 27.5

50 18.9 15.9 23.9

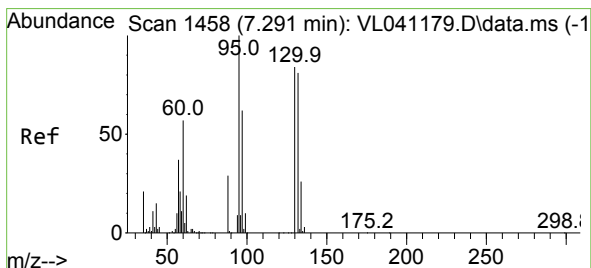
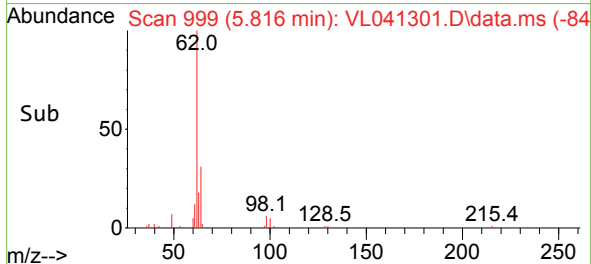
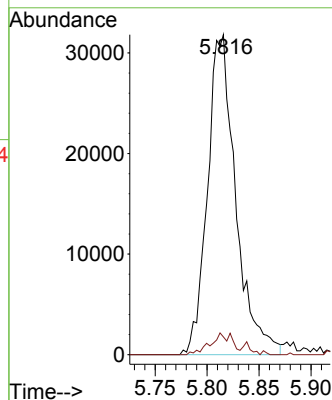
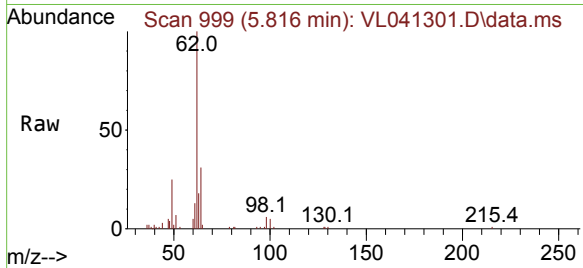




#37
1,2-Dichloroethane
Concen: 0.530 ppbv
RT: 5.816 min Scan# 996
Delta R.T. -0.006 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

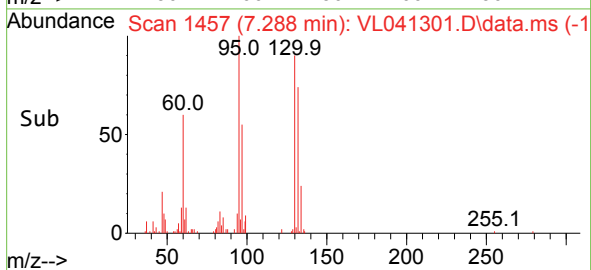
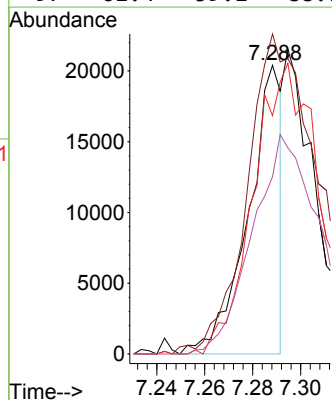
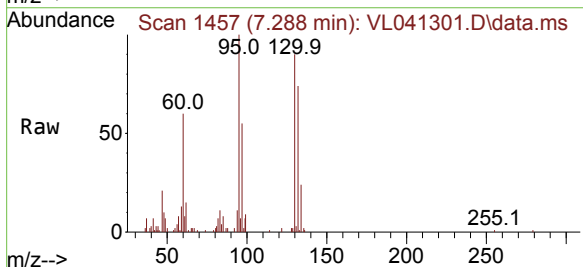
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

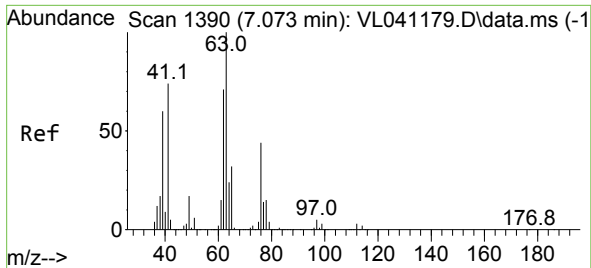
Tgt Ion: 62 Resp: 60182
Ion Ratio Lower Upper
62 100
98 6.5 5.0 7.4



#38
Trichloroethene
Concen: 0.243 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 130 Resp: 19697
Ion Ratio Lower Upper
130 100
95 108.4 95.0 142.6
132 82.5 77.0 115.4
97 61.4 59.1 88.7





#39

1,2-Dichloropropane

Concen: 0.146 ppbv

RT: 7.079 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

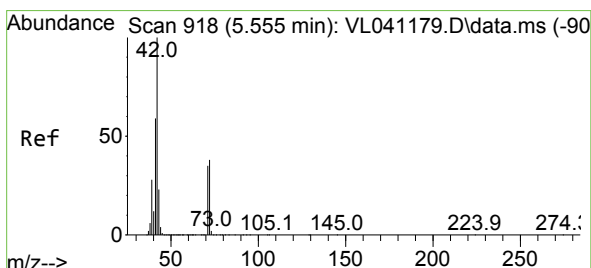
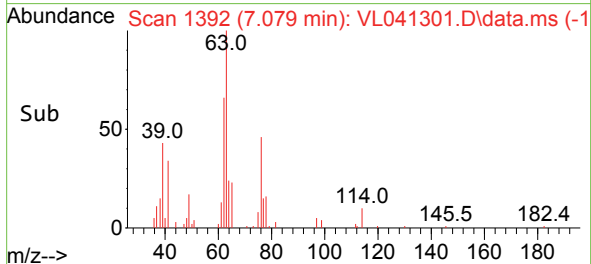
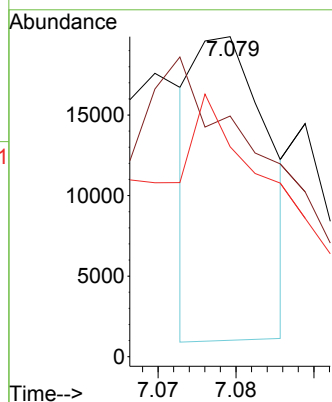
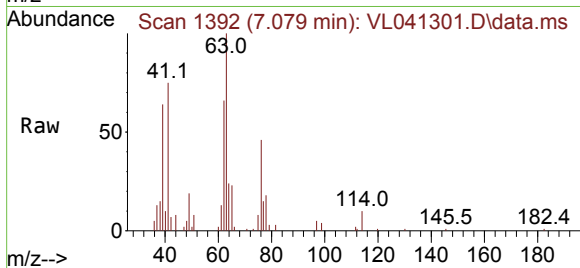
Tgt Ion: 63 Resp: 12232

Ion Ratio Lower Upper

63 100

41 39.0 59.4 89.0#

62 29.7 56.8 85.2#



#41

Tetrahydrofuran

Concen: 0.368 ppbv

RT: 5.584 min Scan# 927

Delta R.T. 0.013 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

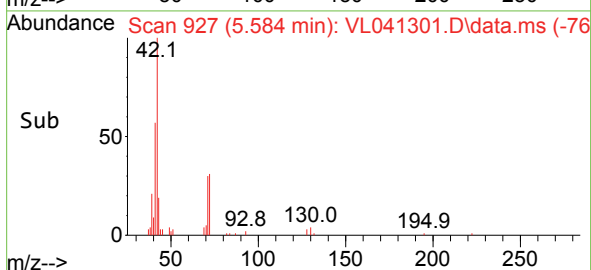
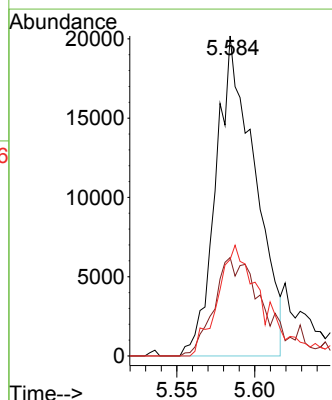
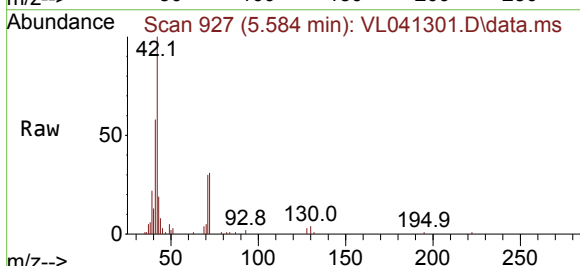
Tgt Ion: 42 Resp: 35090

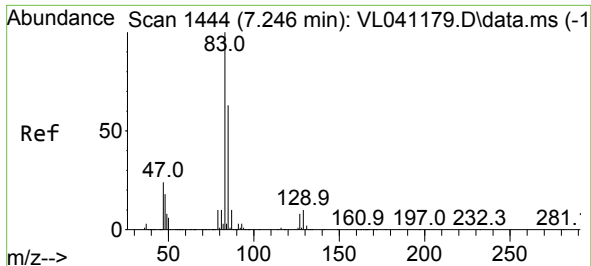
Ion Ratio Lower Upper

42 100

72 42.5 29.4 44.0

71 43.3 29.1 43.7

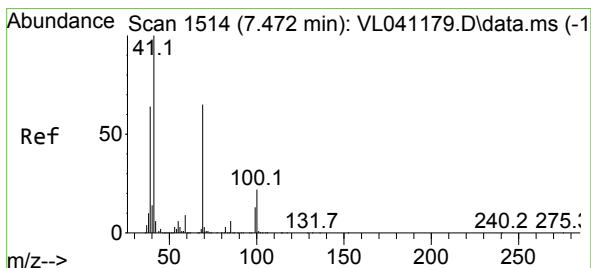
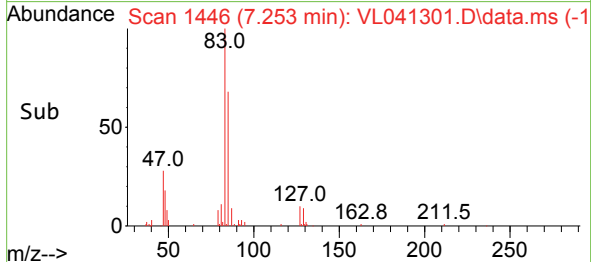
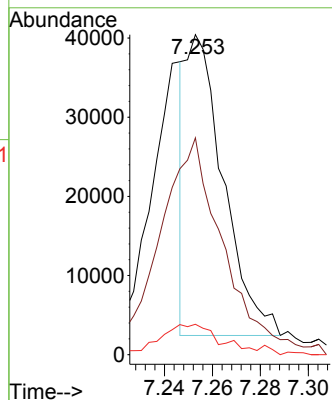
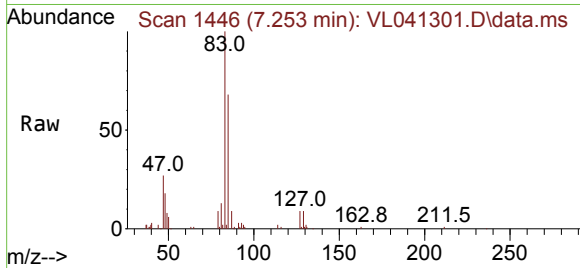




#42
Bromodichloromethane
Concen: 0.254 ppbv
RT: 7.253 min Scan# 1446
Delta R.T. -0.010 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

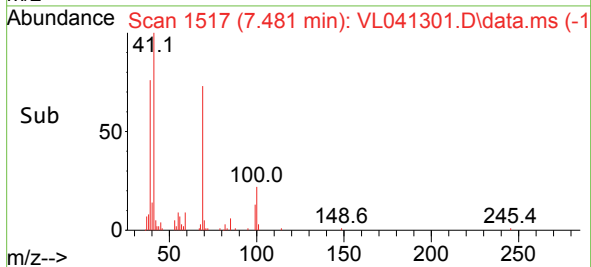
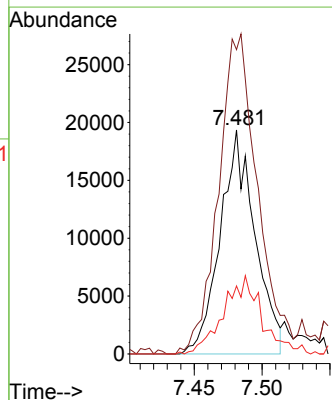
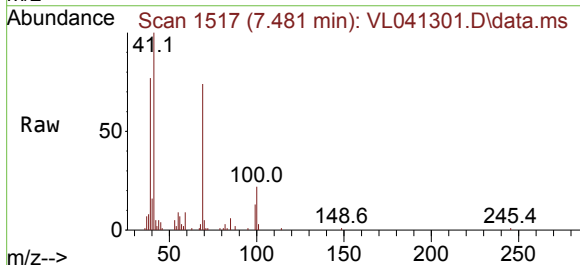
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

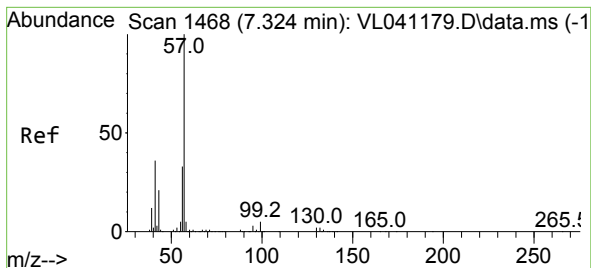
Tgt Ion: 83 Resp: 41253
Ion Ratio Lower Upper
83 100
85 67.1 50.6 75.8
127 10.1 6.2 9.4#



#43
Methyl Methacrylate
Concen: 0.393 ppbv
RT: 7.481 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 69 Resp: 34540
Ion Ratio Lower Upper
69 100
41 163.9 125.2 187.8
100 38.5 26.7 40.1





#44

2,2,4-Trimethylpentane

Concen: 0.269 ppbv

RT: 7.330 min Scan# 1468

Delta R.T. -0.010 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

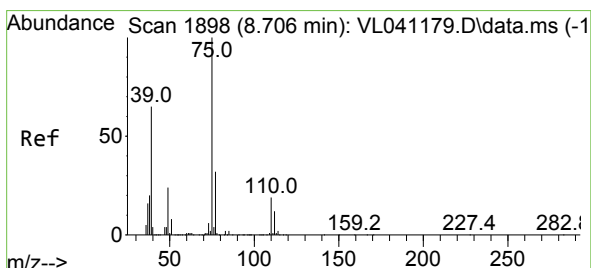
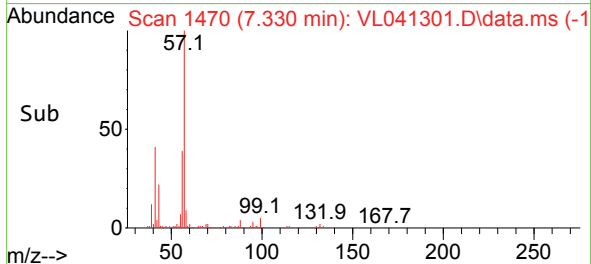
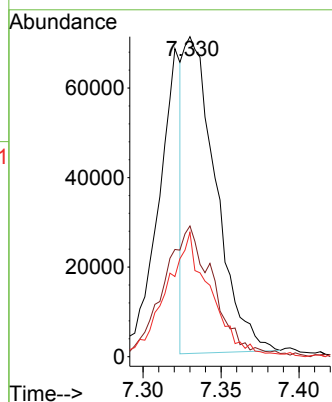
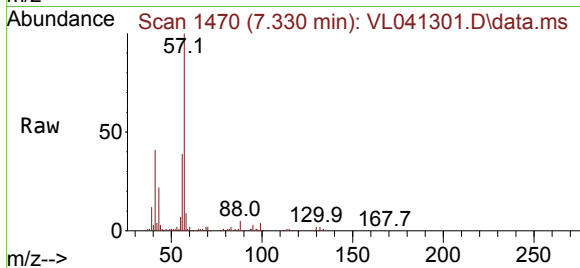
Tgt Ion: 57 Resp: 101019

Ion Ratio Lower Upper

57 100

41 65.9 29.5 44.3#

56 55.5 25.3 37.9#



#45

t-1,3-Dichloropropene

Concen: 0.318 ppbv

RT: 8.713 min Scan# 1900

Delta R.T. -0.010 min

Lab File: VL041301.D

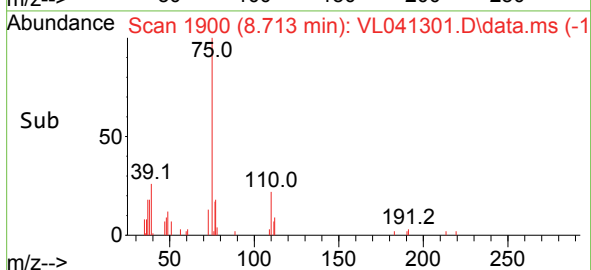
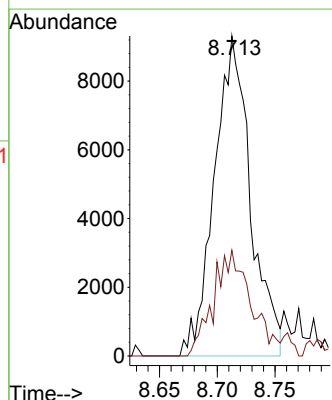
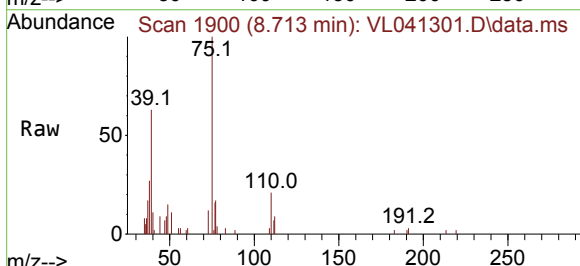
Acq: 4 Jun 2024 11:10

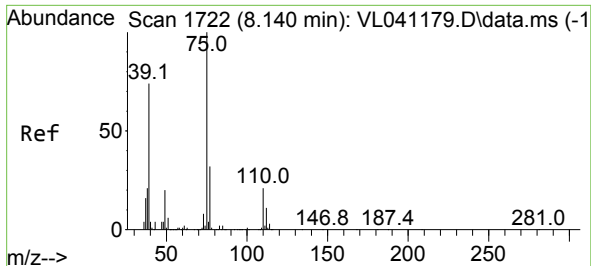
Tgt Ion: 75 Resp: 20280

Ion Ratio Lower Upper

75 100

77 33.0 25.6 38.4

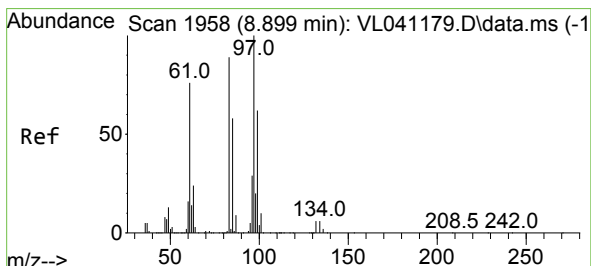
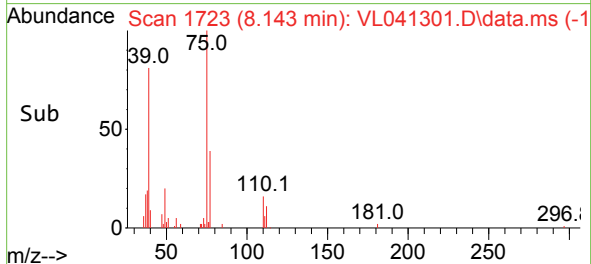
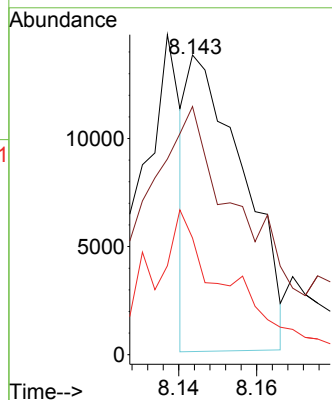
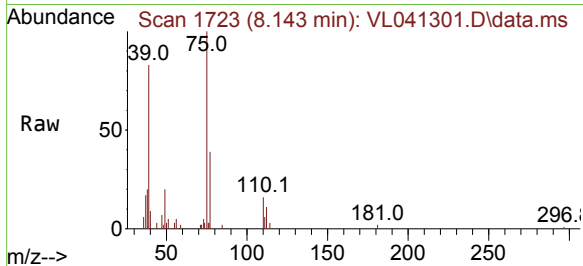




#46
 cis-1,3-Dichloropropene
 Concen: 0.176 ppbv
 RT: 8.143 min Scan# 1723
 Delta R.T. -0.013 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

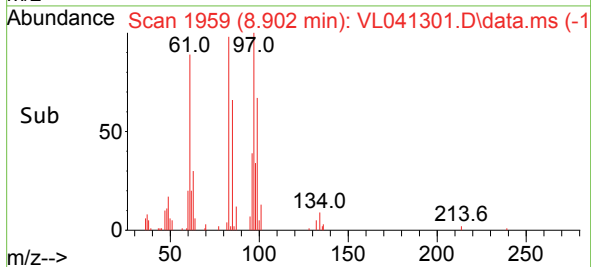
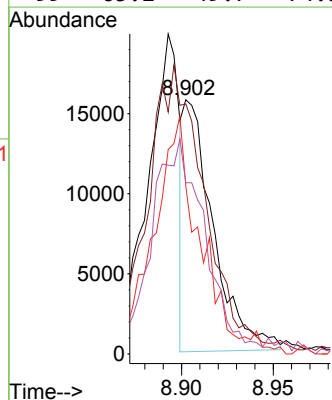
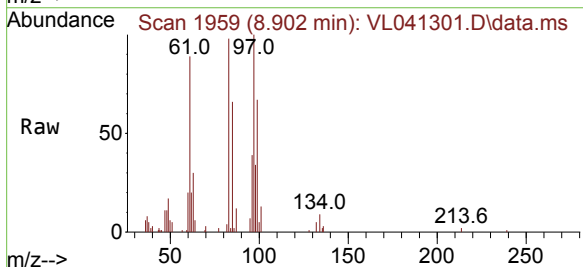
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

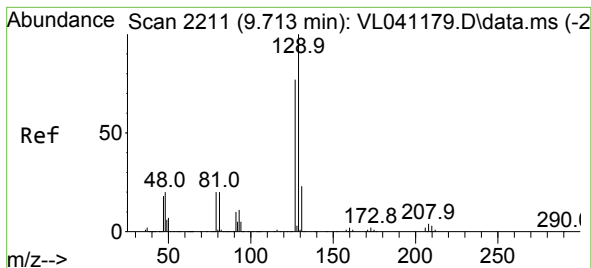
Tgt Ion: 75 Resp: 13704
 Ion Ratio Lower Upper
 75 100
 39 64.2 59.4 89.2
 77 35.9 25.9 38.9



#47
 1,1,2-Trichloroethane
 Concen: 0.211 ppbv
 RT: 8.902 min Scan# 1959
 Delta R.T. -0.013 min
 Lab File: VL041301.D
 Acq: 4 Jun 2024 11:10

Tgt Ion: 97 Resp: 17701
 Ion Ratio Lower Upper
 97 100
 83 96.4 71.2 106.8
 85 65.6 46.0 69.0
 99 65.2 49.7 74.5





#48

Dibromochloromethane

Concen: 0.204 ppbv

RT: 9.713 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

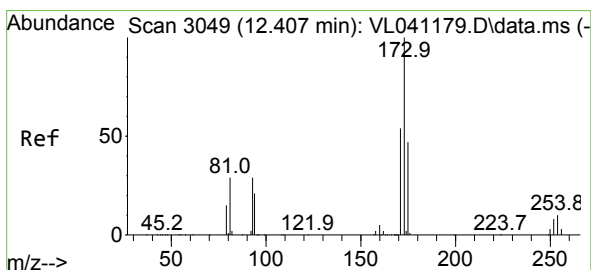
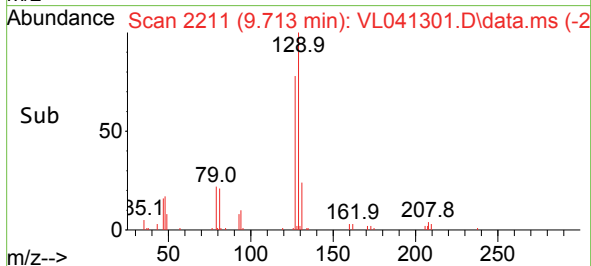
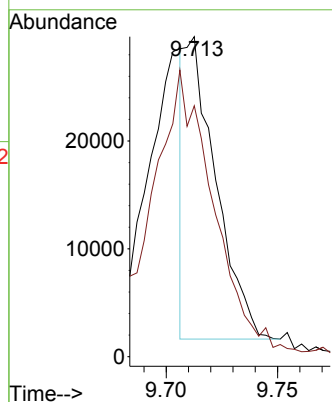
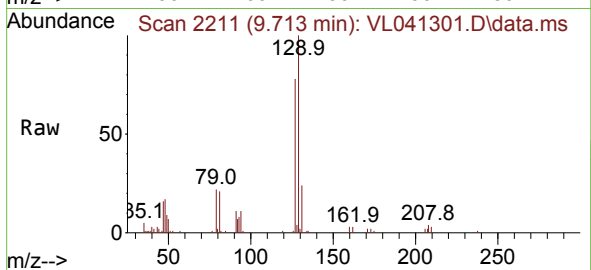
VSTDIC0.5

Tgt Ion:129 Resp: 27231

Ion Ratio Lower Upper

129 100

127 196.2 39.1 117.5#



#49

Bromoform

Concen: 0.450 ppbv

RT: 12.401 min Scan# 3047

Delta R.T. -0.019 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

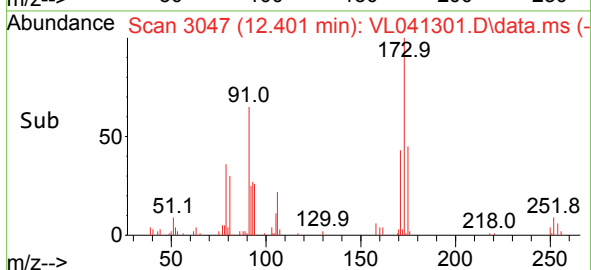
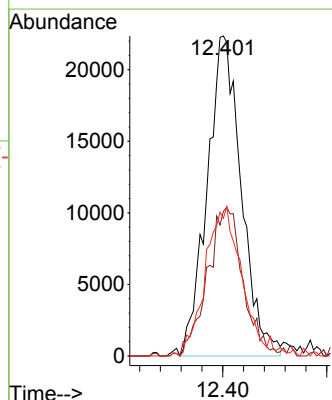
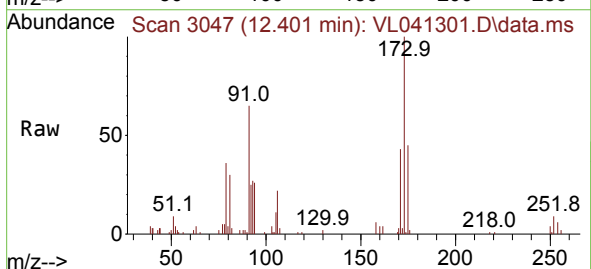
Tgt Ion:173 Resp: 51131

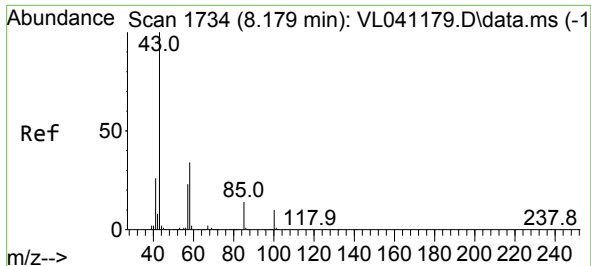
Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.8

171 50.5 41.8 62.8

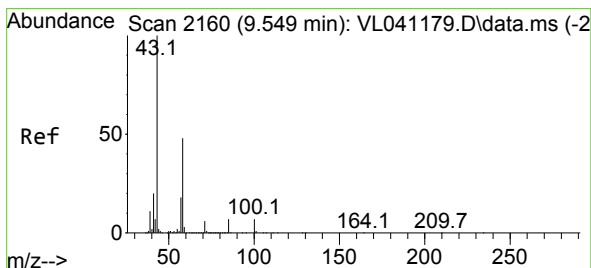
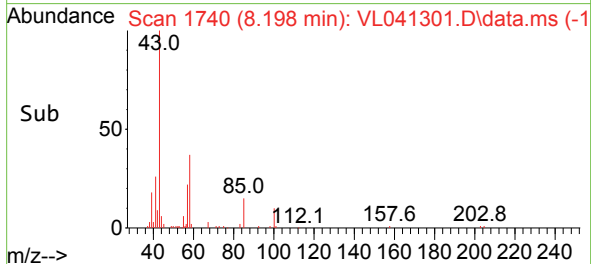
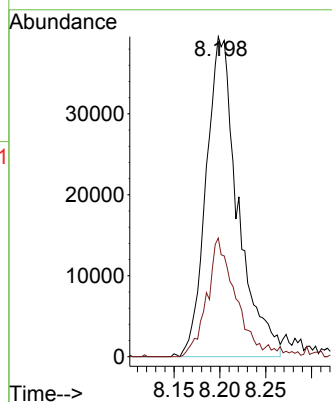
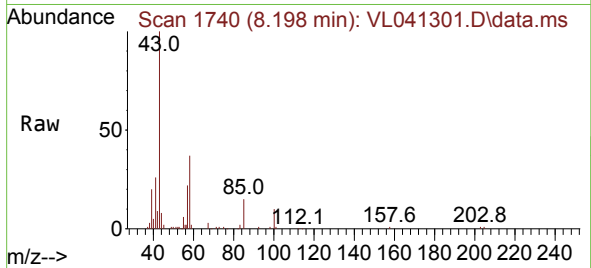




#50
4-Methyl-2-Pentanone
Concen: 0.402 ppbv
RT: 8.198 min Scan# 1740
Delta R.T. 0.003 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

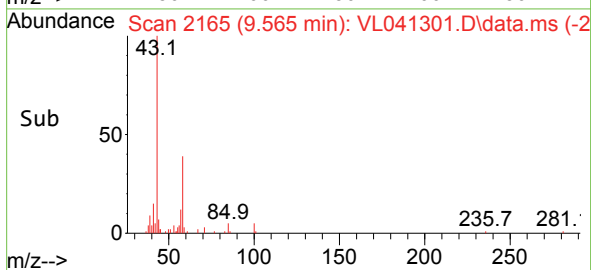
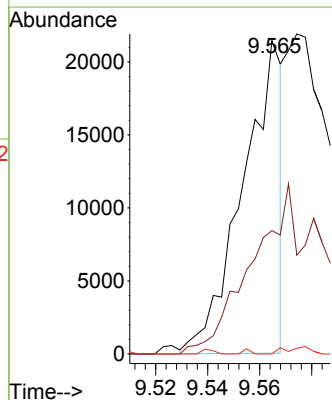
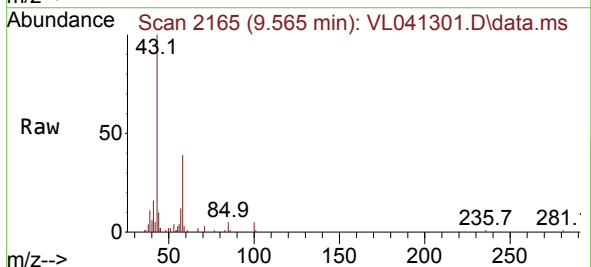
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

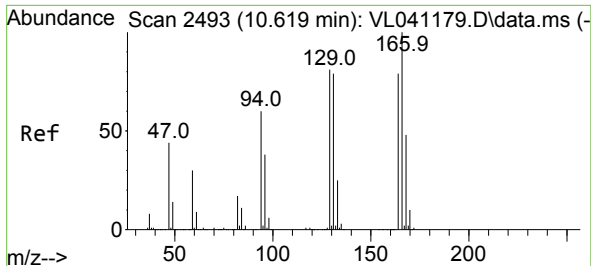
Tgt Ion: 43 Resp: 95227
Ion Ratio Lower Upper
43 100
58 35.6 27.7 41.5



#51
2-Hexanone
Concen: 0.128 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

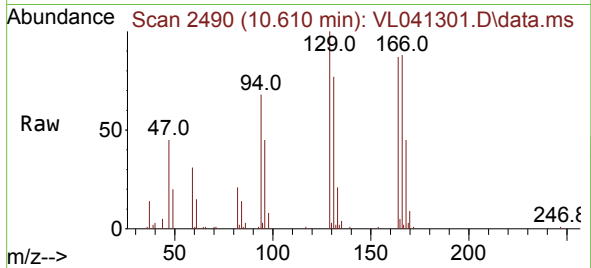
Tgt Ion: 43 Resp: 22420
Ion Ratio Lower Upper
43 100
58 0.0 38.4 57.6#
98 0.5 0.0 0.0#



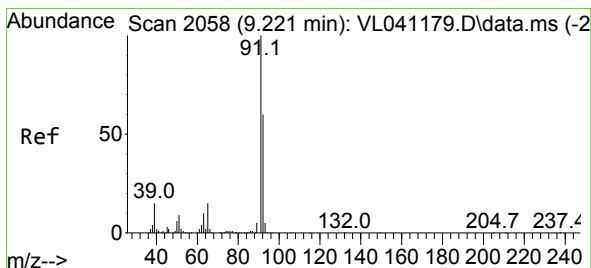
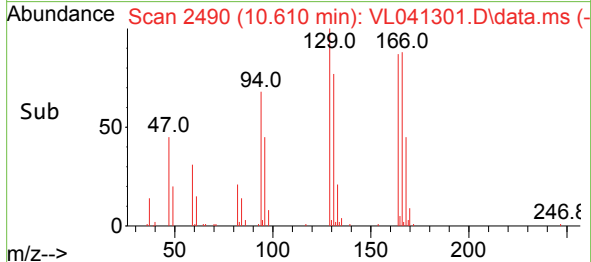
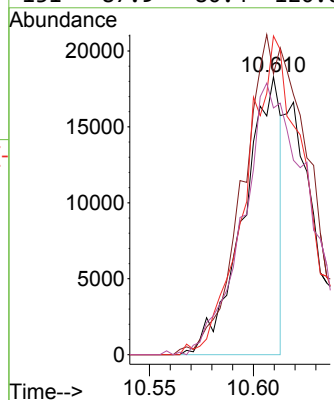


#52
Tetrachloroethene
Concen: 0.296 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

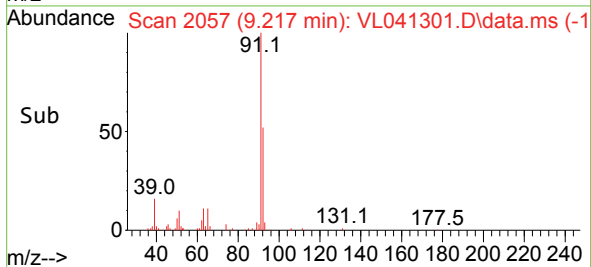
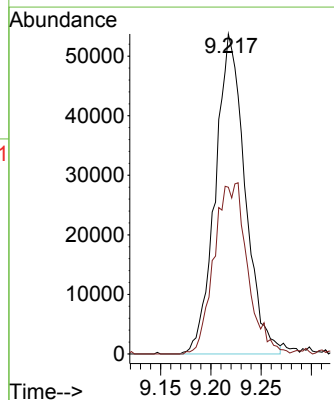
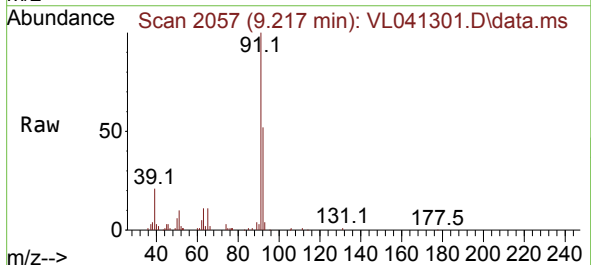


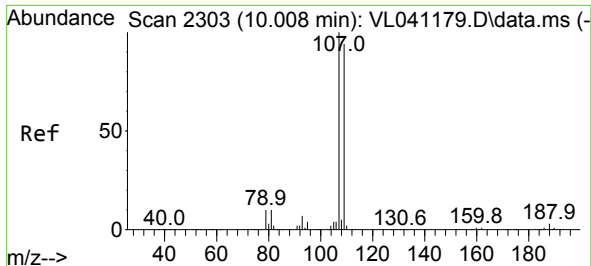
Tgt Ion:164 Resp: 22613
Ion Ratio Lower Upper
164 100
166 99.2 101.1 151.7#
129 114.7 81.7 122.5
131 87.9 80.4 120.6



#53
Toluene
Concen: 0.438 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 91 Resp: 110445
Ion Ratio Lower Upper
91 100
92 61.1 48.2 72.4

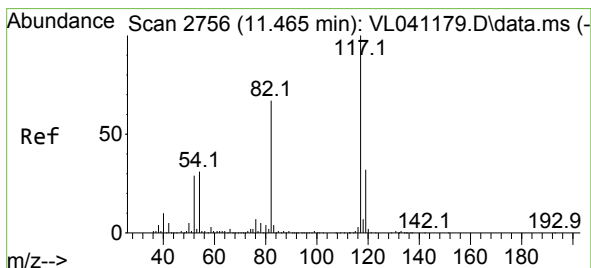
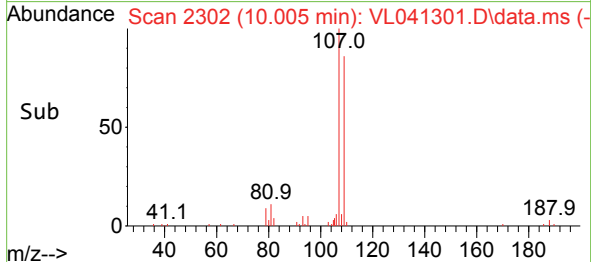
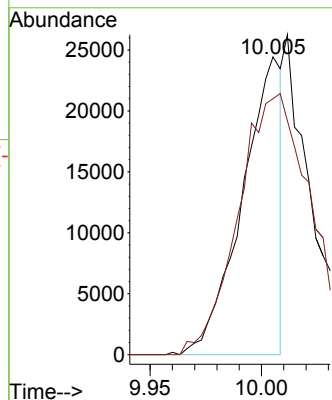
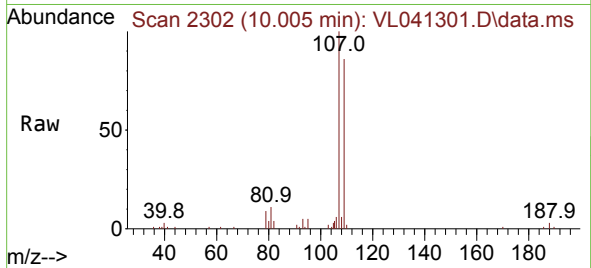




#54
1,2-Dibromoethane
Concen: 0.264 ppbv
RT: 10.005 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

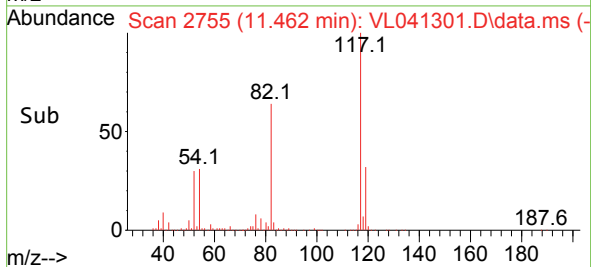
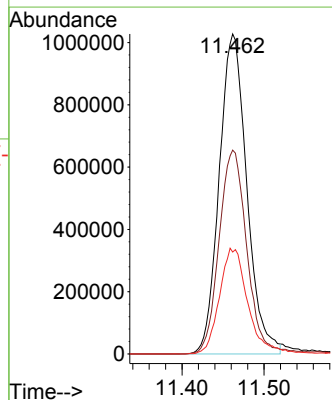
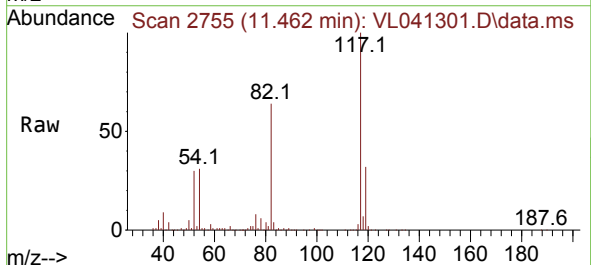
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

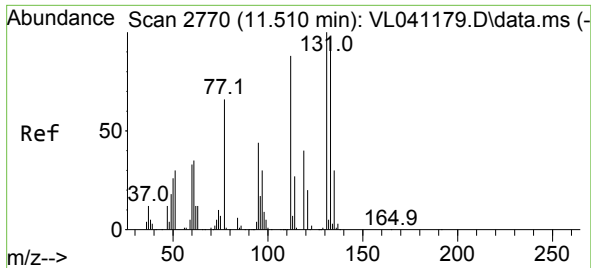
Tgt Ion:107 Resp: 29983
Ion Ratio Lower Upper
107 100
109 86.0 75.2 112.8



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion:117 Resp: 2403049
Ion Ratio Lower Upper
117 100
82 65.3 53.6 80.4
119 34.6 27.2 40.8

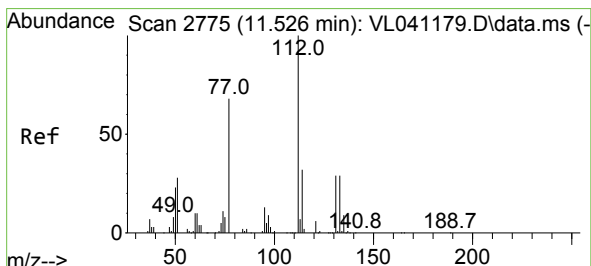
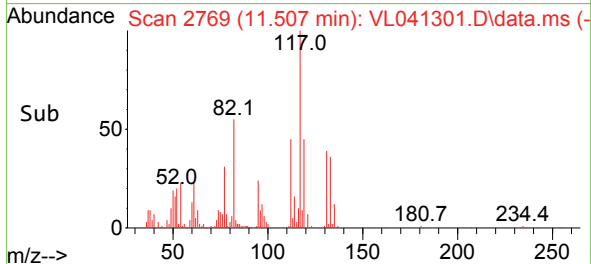
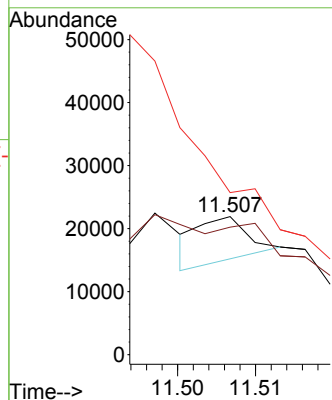
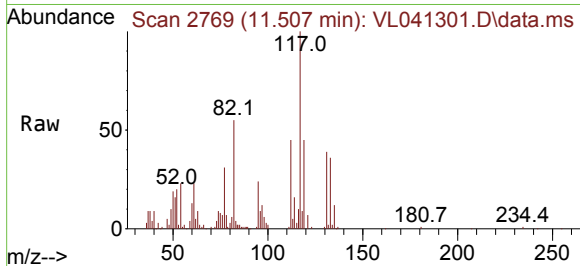




#56
1,1,1,2-Tetrachloroethane
Concen: 0.033 ppbv
RT: 11.507 min Scan# 211
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

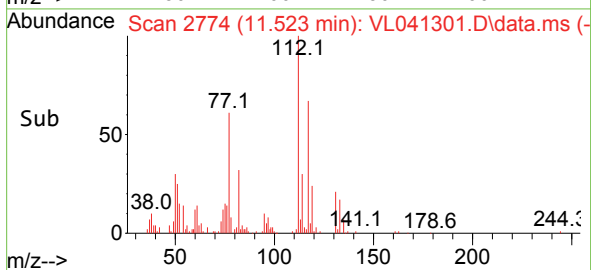
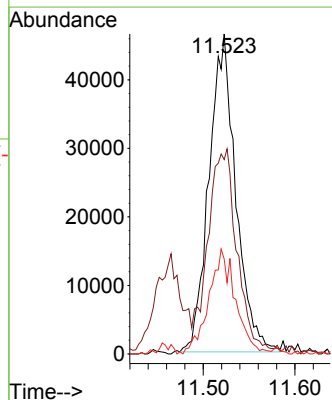
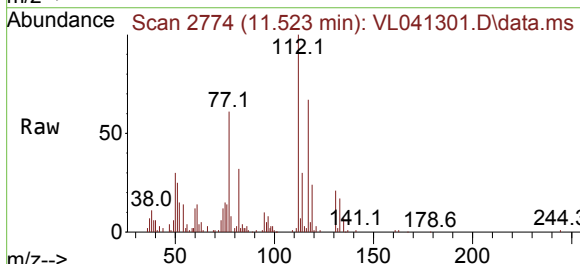
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

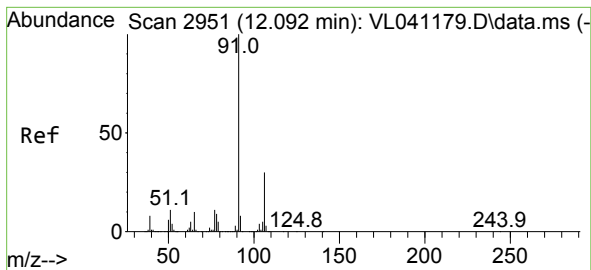
Tgt Ion:131 Resp: 3234
Ion Ratio Lower Upper
131 100
133 0.0 76.3 114.5#
119 0.0 49.4 74.2#



#57
Chlorobenzene
Concen: 0.535 ppbv
RT: 11.523 min Scan# 2774
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion:112 Resp: 94224
Ion Ratio Lower Upper
112 100
77 60.1 54.9 82.3
114 29.1 28.7 35.1

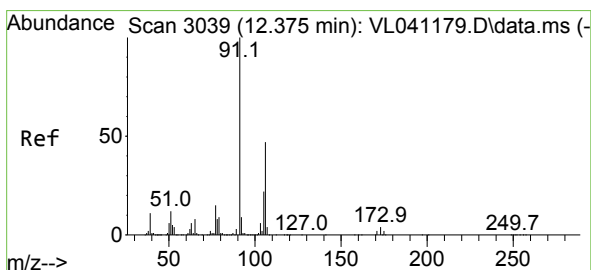
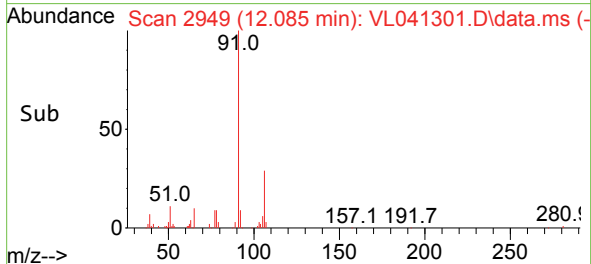
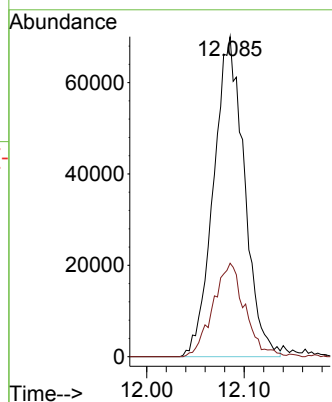
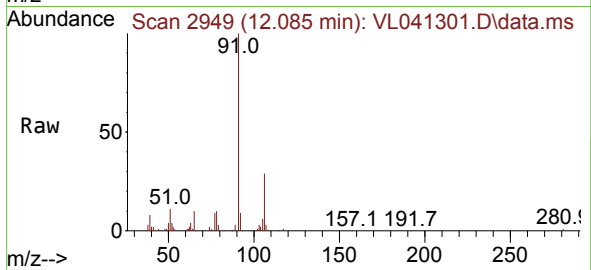




#58
Ethyl Benzene
Concen: 0.467 ppbv
RT: 12.085 min Scan# 2951
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

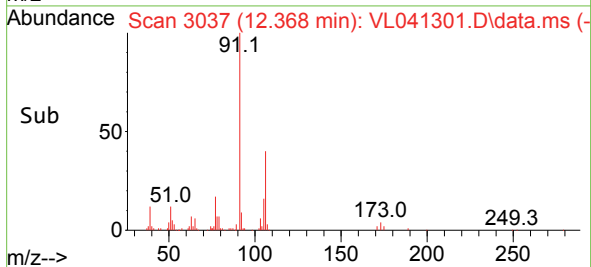
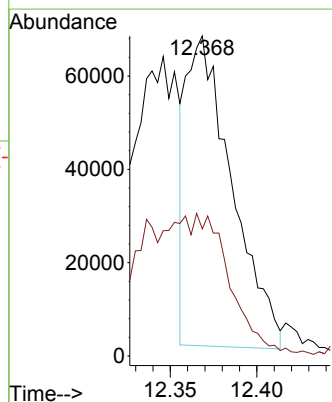
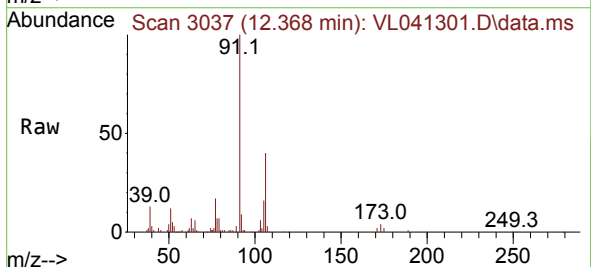
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

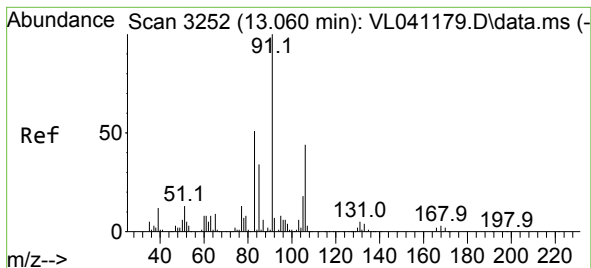
Tgt Ion: 91 Resp: 153781
Ion Ratio Lower Upper
91 100
106 29.2 24.3 36.5



#59
m/p-Xylene
Concen: 0.441 ppbv
RT: 12.368 min Scan# 3037
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 91 Resp: 122143
Ion Ratio Lower Upper
91 100
106 94.3 35.7 53.5#

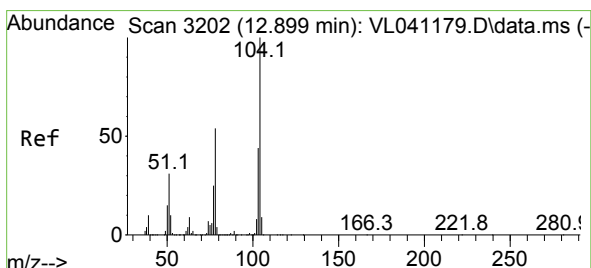
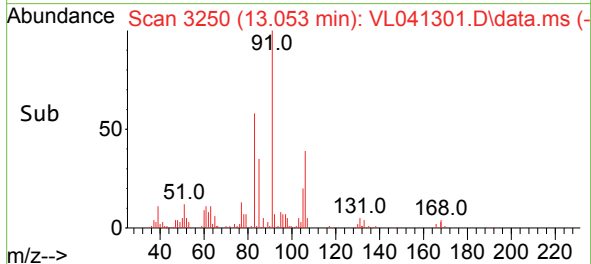
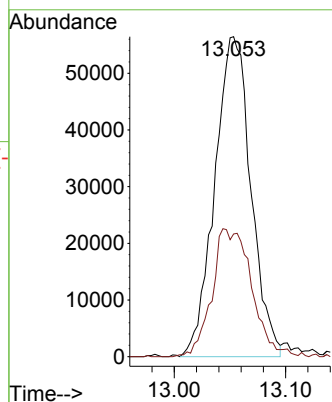
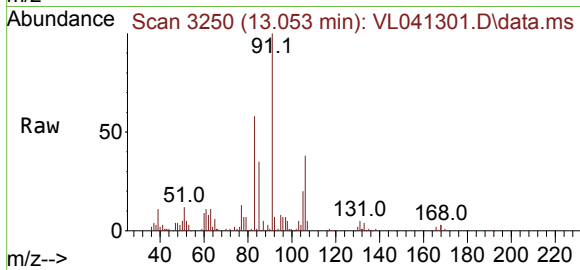




#60
o-Xylene
Concen: 0.491 ppbv
RT: 13.053 min Scan# 3198
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

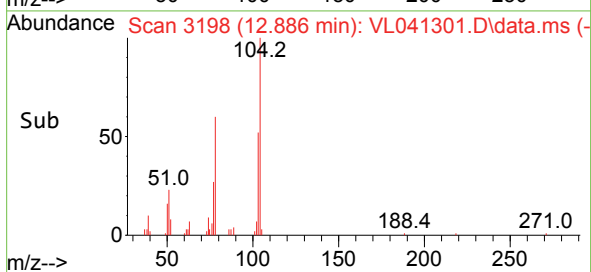
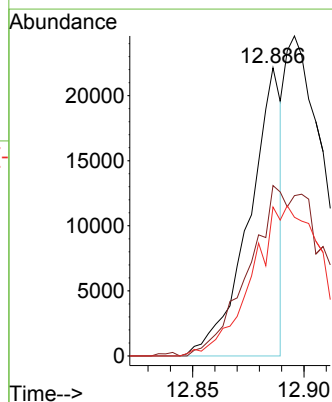
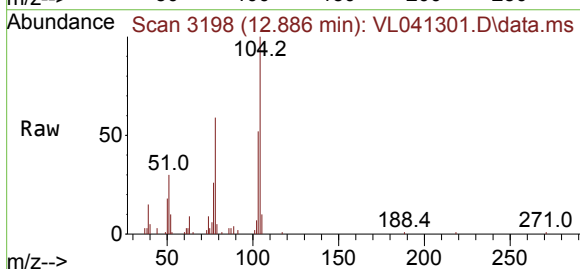
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

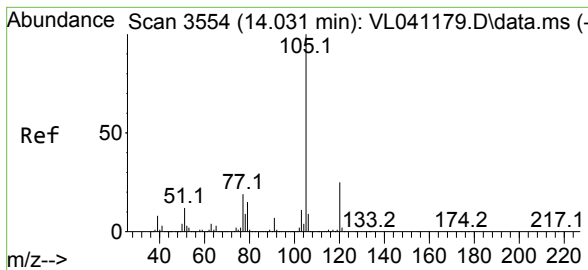
Tgt Ion: 91 Resp: 127549
Ion Ratio Lower Upper
91 100
106 43.7 22.4 67.3



#61
Styrene
Concen: 0.163 ppbv
RT: 12.886 min Scan# 3198
Delta R.T. -0.022 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 104 Resp: 22334
Ion Ratio Lower Upper
104 100
78 141.9 42.6 63.8#
103 0.0 38.4 57.6#

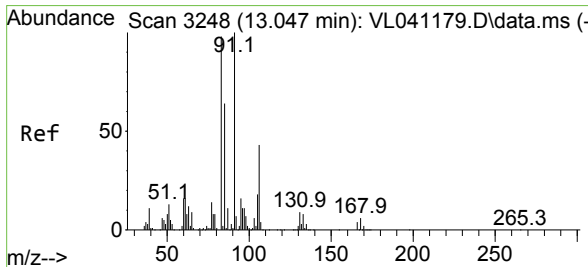
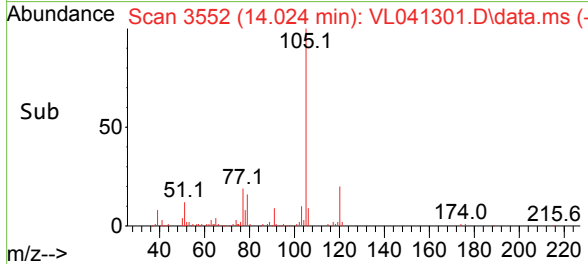
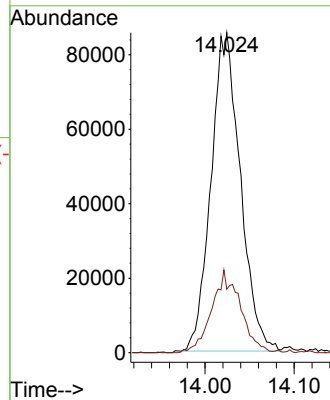
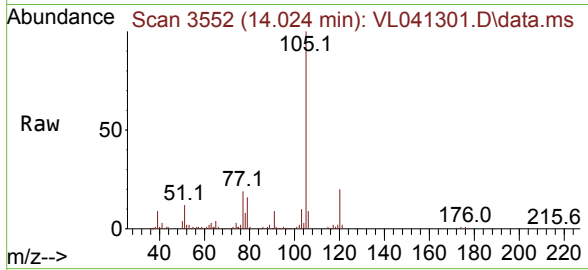




#62
Isopropylbenzene
Concen: 0.504 ppbv
RT: 14.024 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

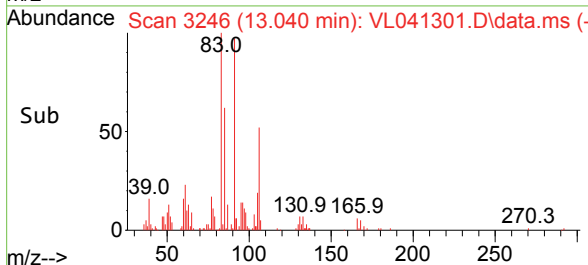
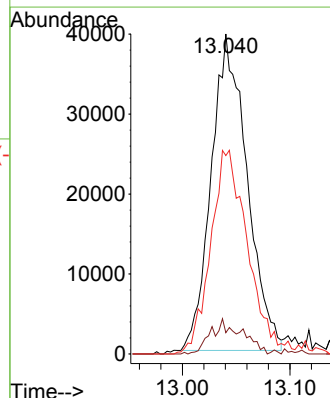
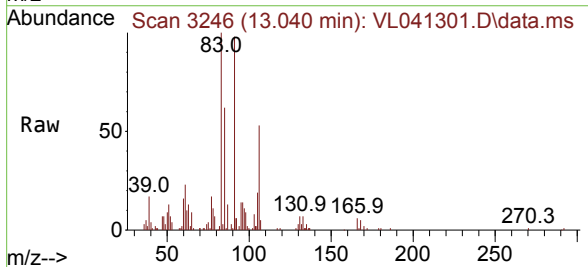
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

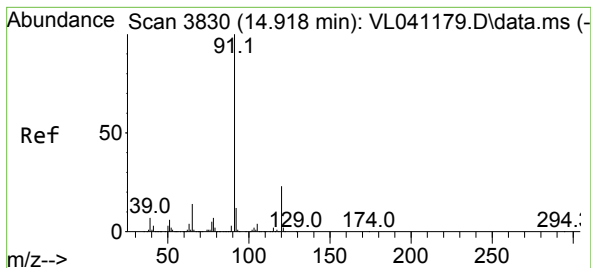
Tgt Ion:105 Resp: 195726
Ion Ratio Lower Upper
105 100
120 25.2 20.2 30.2



#63
1,1,2,2-Tetrachloroethane
Concen: 0.516 ppbv
RT: 13.040 min Scan# 3246
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 83 Resp: 91373
Ion Ratio Lower Upper
83 100
131 10.0 4.5 13.5
85 68.1 32.7 98.1

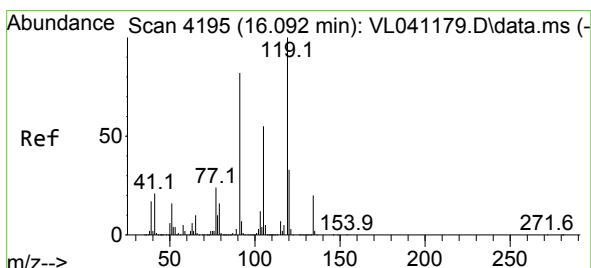
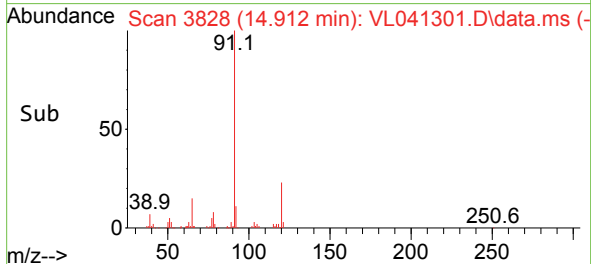
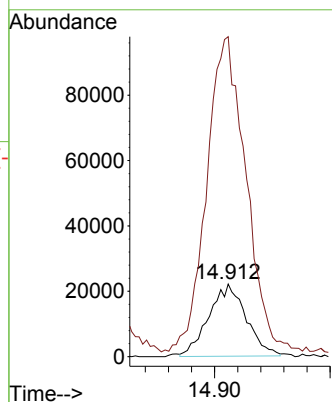
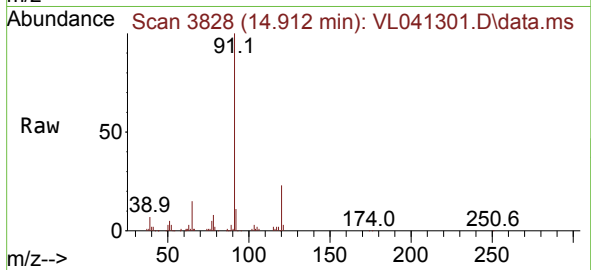




#64
n-propylbenzene
Concen: 0.511 ppbv
RT: 14.912 min Scan# 3828
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

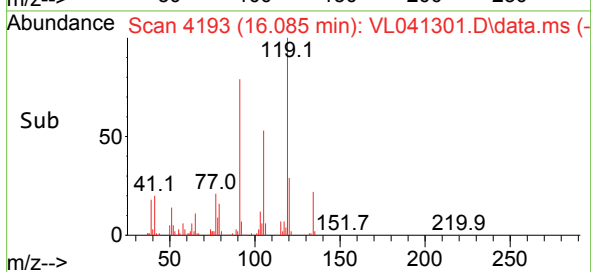
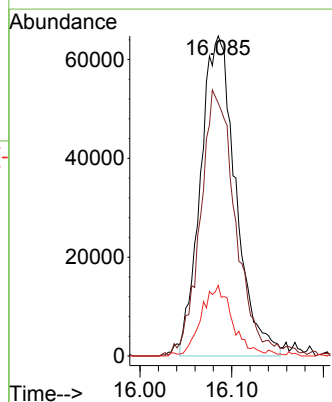
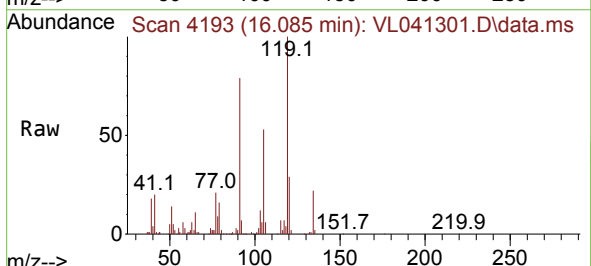
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

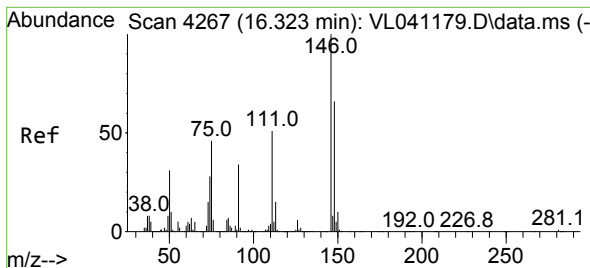
Tgt Ion:120 Resp: 49529
Ion Ratio Lower Upper
120 100
91 478.4 384.8 577.2



#65
tert-Butylbenzene
Concen: 0.497 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion:119 Resp: 172978
Ion Ratio Lower Upper
119 100
91 83.7 67.0 100.4
134 20.2 15.2 22.8

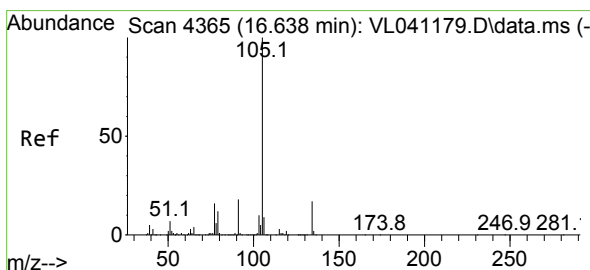
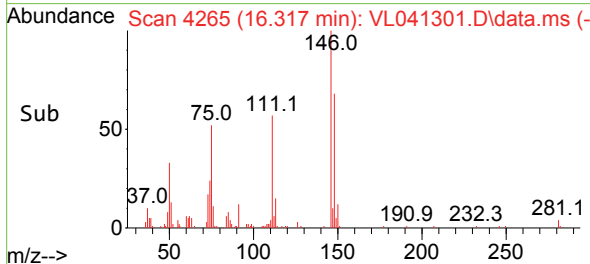
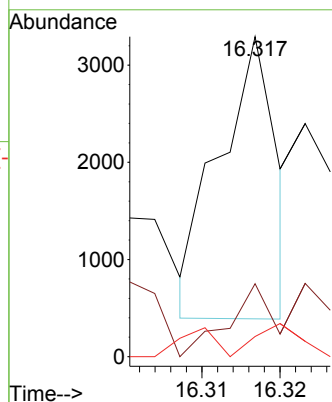
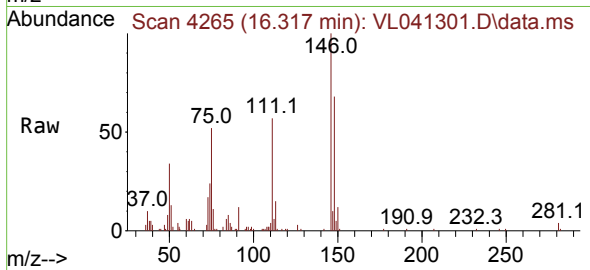




#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 16.317 min Scan# 41
Delta R.T. -0.029 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

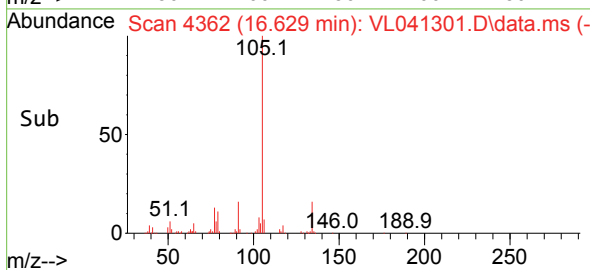
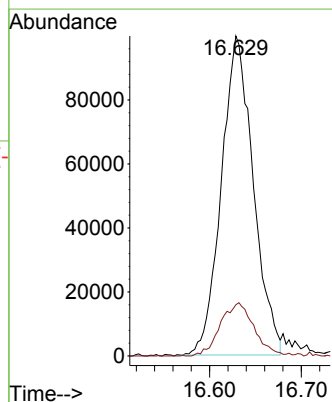
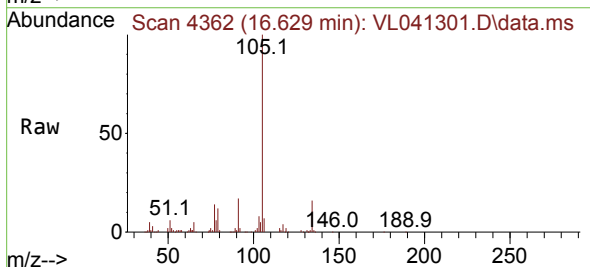
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

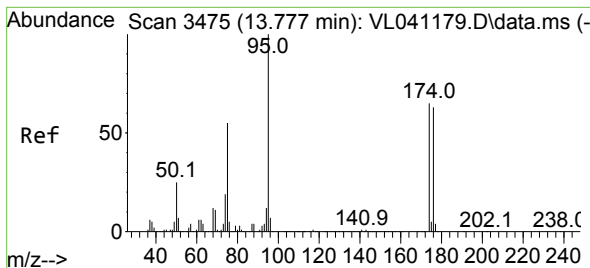
Tgt Ion: 91 Resp: 1495
Ion Ratio Lower Upper
91 100
126 38.1 14.6 21.8#
128 0.0 4.7 7.1#



#67
sec-Butylbenzene
Concen: 0.493 ppbv
RT: 16.629 min Scan# 4362
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion:105 Resp: 241479
Ion Ratio Lower Upper
105 100
134 17.6 13.8 20.8

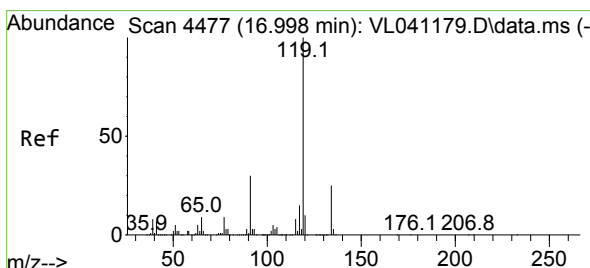
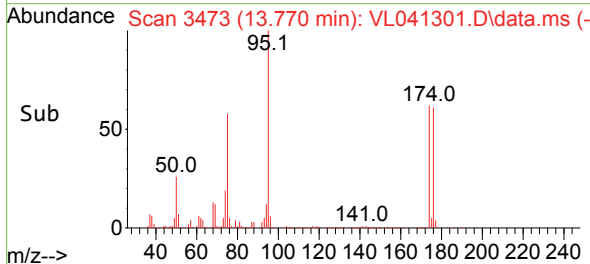
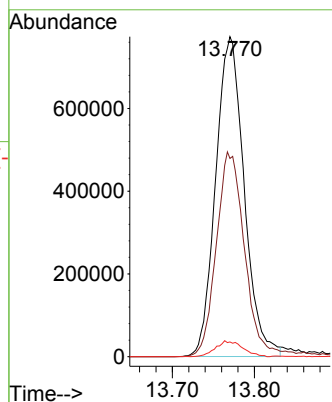
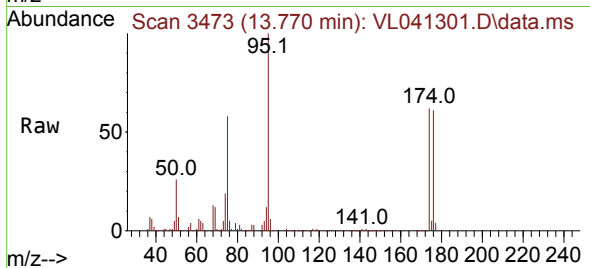




#68
1-Bromo-4-Fluorobenzene
Concen: 10.290 ppbv
RT: 13.770 min Scan# 3475
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

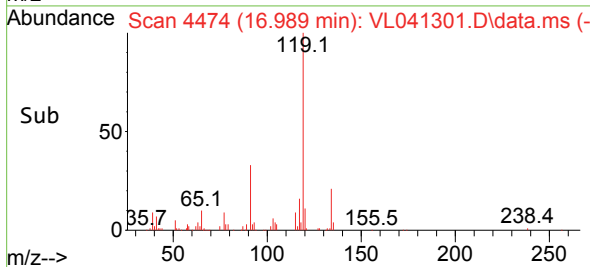
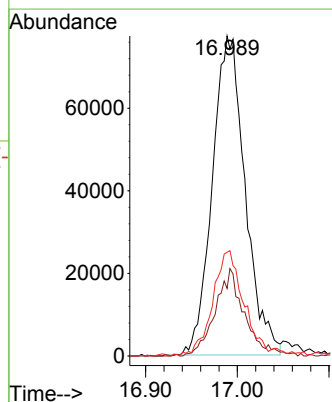
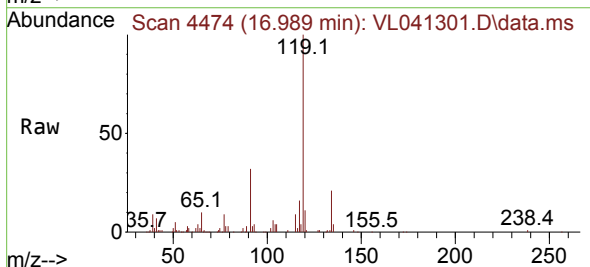
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

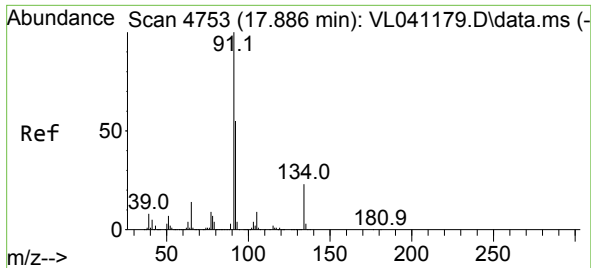
Tgt Ion: 95 Resp: 1866736
Ion Ratio Lower Upper
95 100
174 65.1 53.6 80.4
175 4.8 4.2 6.4



#69
p-Isopropyltoluene
Concen: 0.477 ppbv
RT: 16.989 min Scan# 4474
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 119 Resp: 192579
Ion Ratio Lower Upper
119 100
134 24.5 20.1 30.1
91 32.3 24.2 36.2

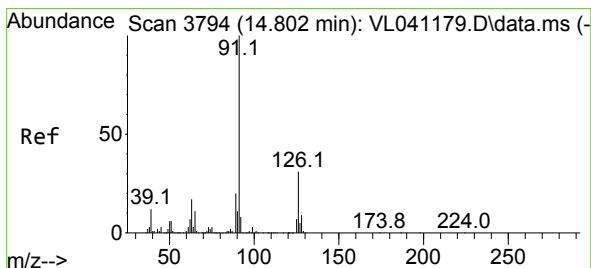
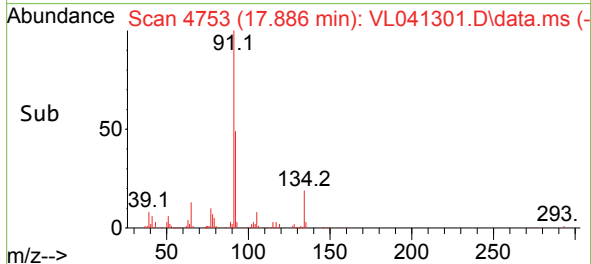
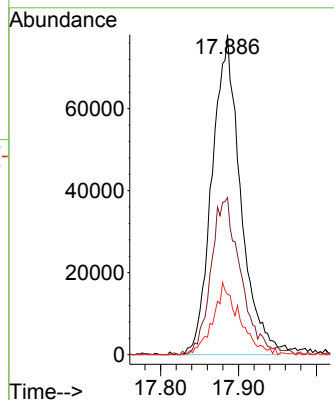
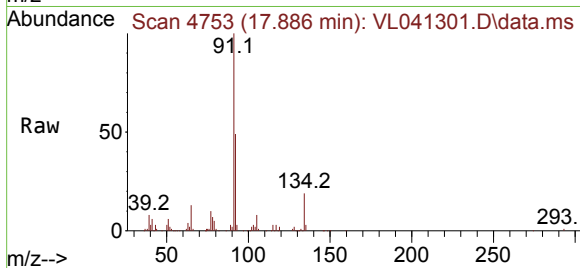




#70
n-Butylbenzene
Concen: 0.471 ppbv
RT: 17.886 min Scan# 4753
Delta R.T. -0.013 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

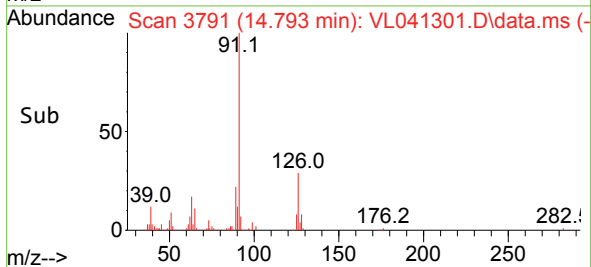
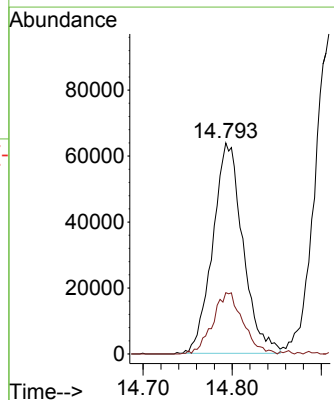
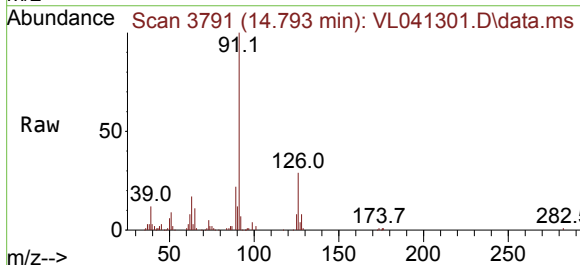
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

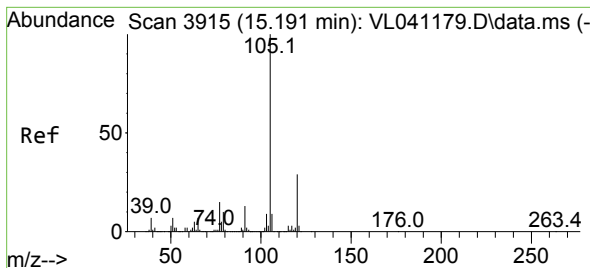
Tgt Ion: 91 Resp: 198312
Ion Ratio Lower Upper
91 100
92 51.6 43.3 64.9
134 21.5 17.8 26.8



#71
2-Chlorotoluene
Concen: 0.507 ppbv
RT: 14.793 min Scan# 3791
Delta R.T. -0.019 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion: 91 Resp: 150020
Ion Ratio Lower Upper
91 100
126 29.6 12.2 48.8

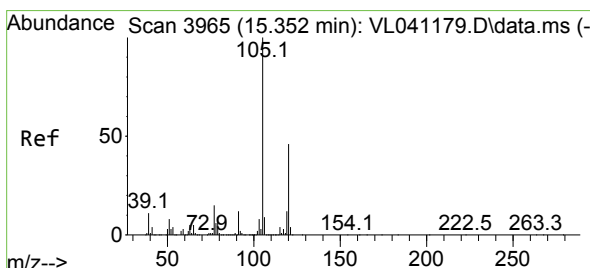
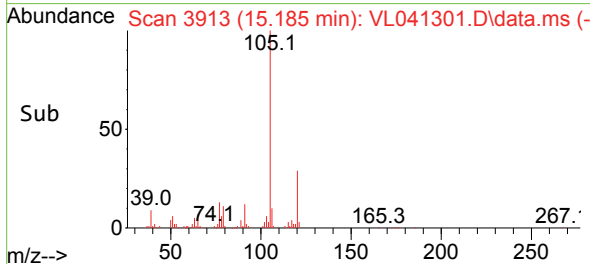
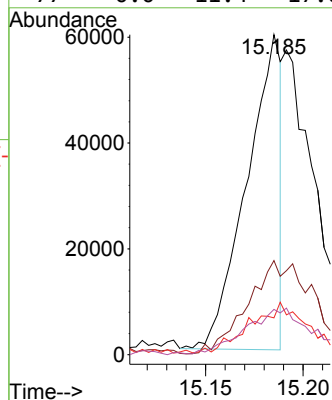
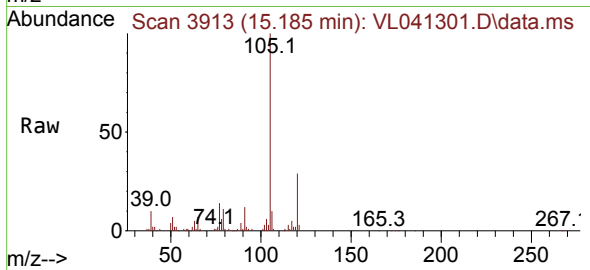




#72
4-Ethyltoluene
Concen: 0.248 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. -0.022 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

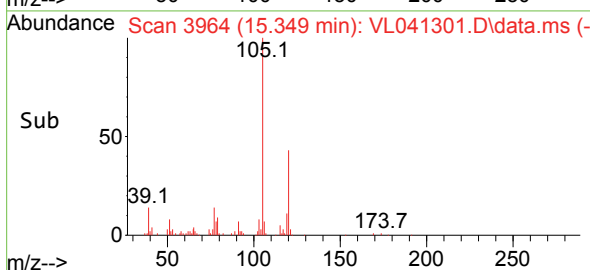
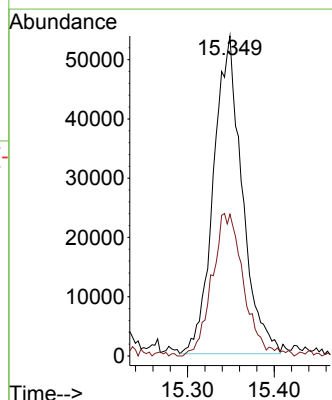
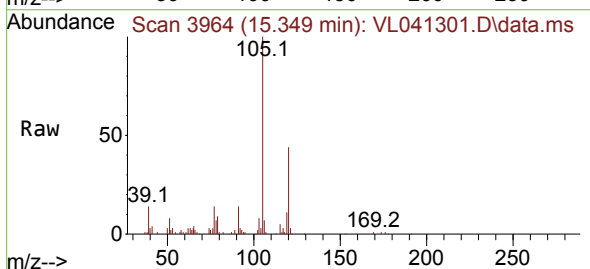
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

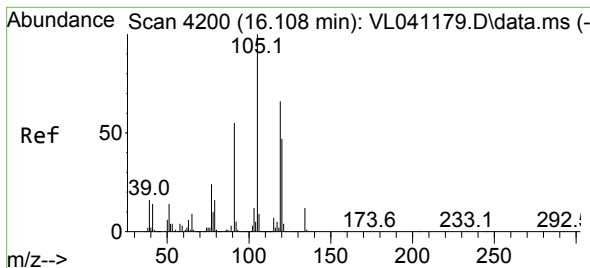
Tgt Ion:105 Resp: 73068
Ion Ratio Lower Upper
105 100
120 58.7 24.7 37.1#
91 0.0 10.3 15.5#
77 0.0 11.4 17.0#



#73
1,3,5-Trimethylbenzene
Concen: 0.464 ppbv
RT: 15.349 min Scan# 3964
Delta R.T. -0.016 min
Lab File: VL041301.D
Acq: 4 Jun 2024 11:10

Tgt Ion:105 Resp: 123389
Ion Ratio Lower Upper
105 100
120 44.6 37.0 55.4





#74

1,2,4-Trimethylbenzene

Concen: 0.495 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.022 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 143873

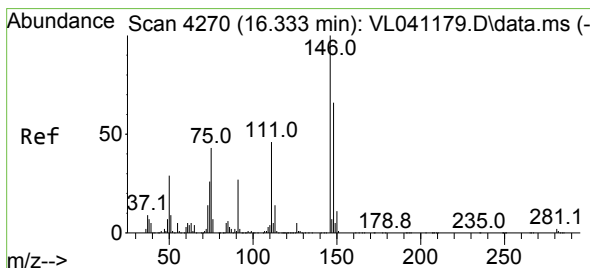
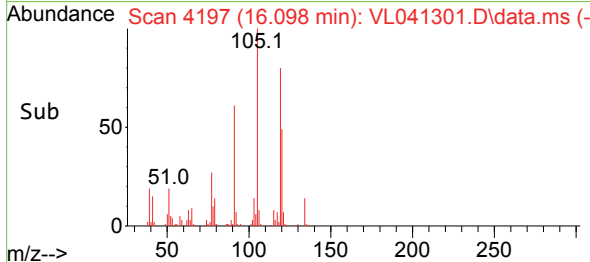
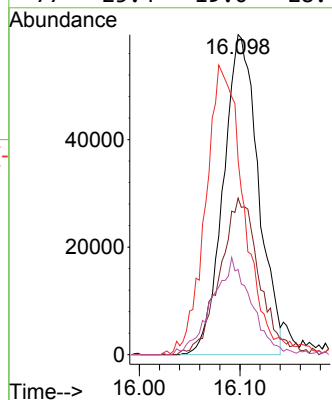
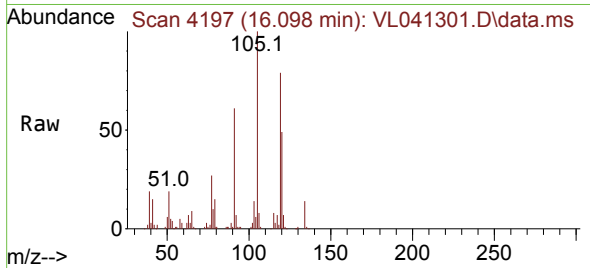
Ion Ratio Lower Upper

105 100

120 48.1 37.8 56.6

91 58.0 44.3 66.5

77 25.4 19.0 28.4



#75

1,3-Dichlorobenzene

Concen: 0.504 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. -0.019 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

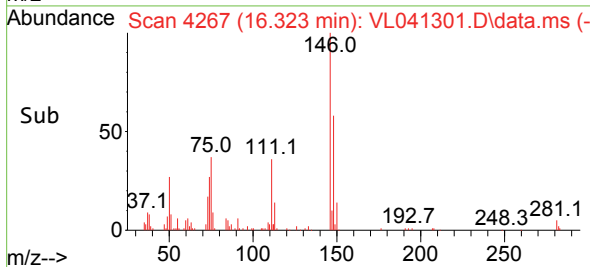
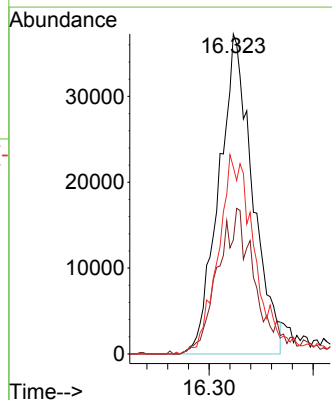
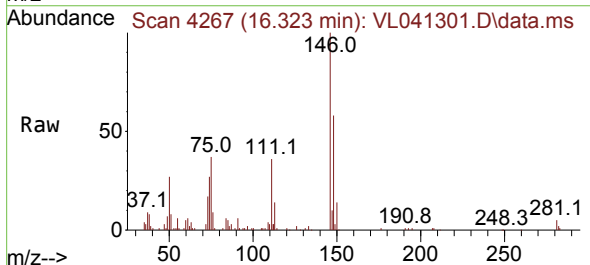
Tgt Ion:146 Resp: 84045

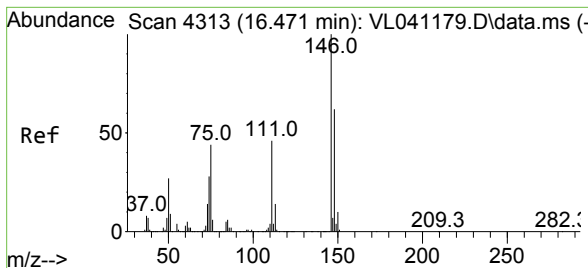
Ion Ratio Lower Upper

146 100

111 50.6 23.7 71.1

148 68.8 32.5 97.4





#76

1,4-Dichlorobenzene

Concen: 0.208 ppbv

RT: 16.462 min Scan# 41

Delta R.T. -0.022 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

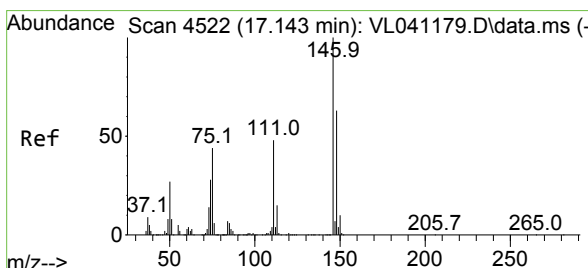
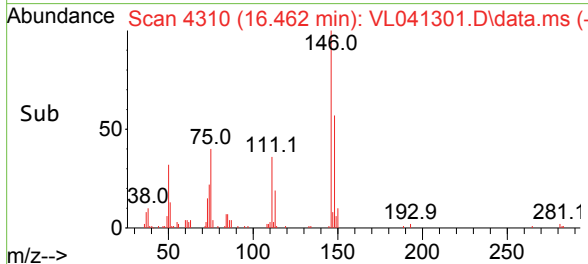
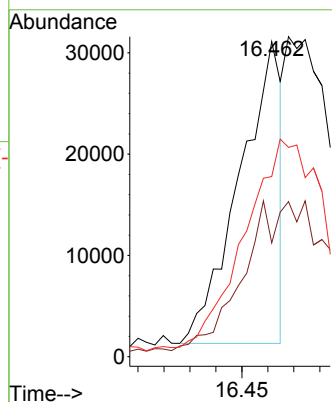
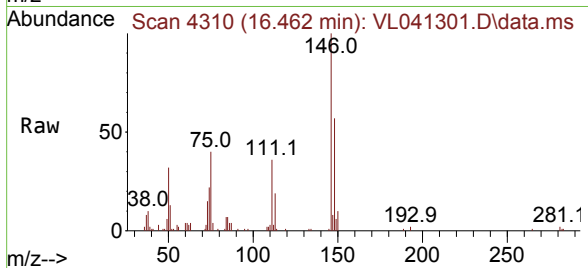
Tgt Ion:146 Resp: 33302

Ion Ratio Lower Upper

146 100

111 0.0 23.3 69.8#

148 0.0 32.6 97.7#



#77

1,2-Dichlorobenzene

Concen: 0.310 ppbv

RT: 17.137 min Scan# 4520

Delta R.T. -0.022 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

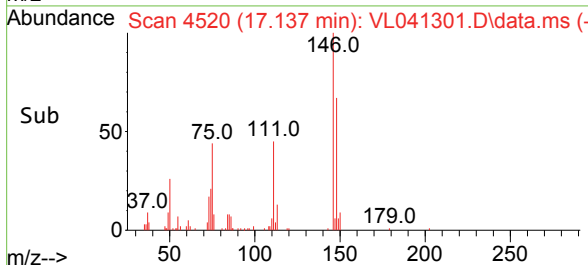
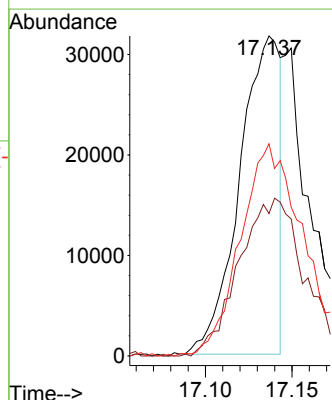
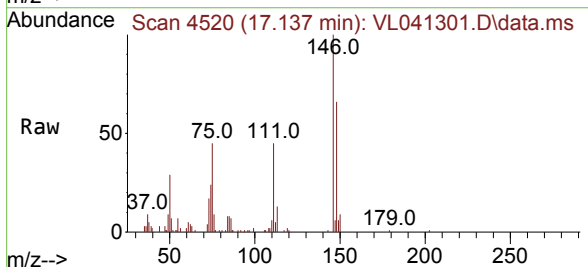
Tgt Ion:146 Resp: 51627

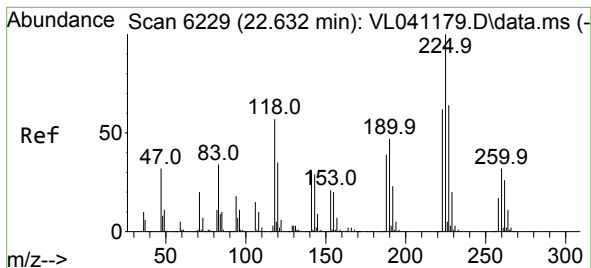
Ion Ratio Lower Upper

146 100

111 85.0 24.5 73.5#

148 111.1 32.6 98.0#





#78

Hexachloro-1,3-Butadiene

Concen: 0.283 ppbv

RT: 22.622 min Scan# 61

Delta R.T. -0.026 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

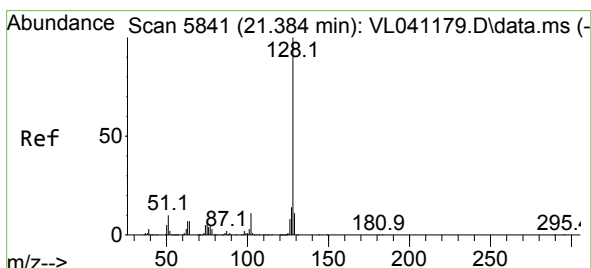
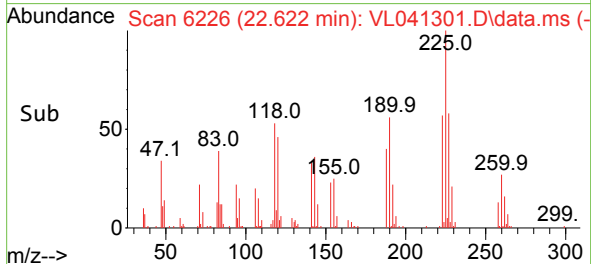
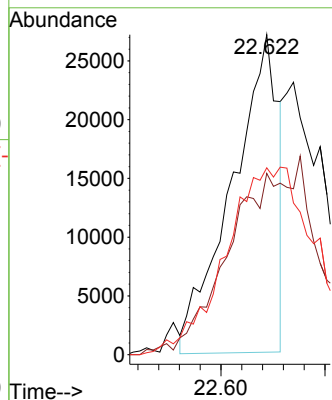
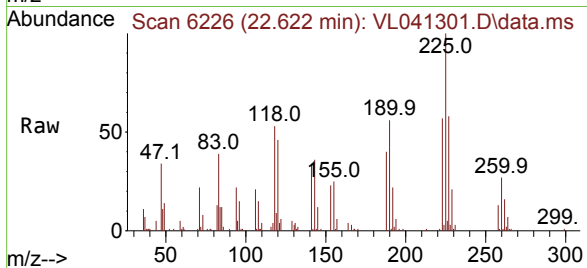
Tgt Ion:225 Resp: 41883

Ion Ratio Lower Upper

225 100

223 0.0 50.9 76.3#

227 0.0 52.0 78.0#



#79

Naphthalene

Concen: 0.358 ppbv

RT: 21.381 min Scan# 5840

Delta R.T. -0.019 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

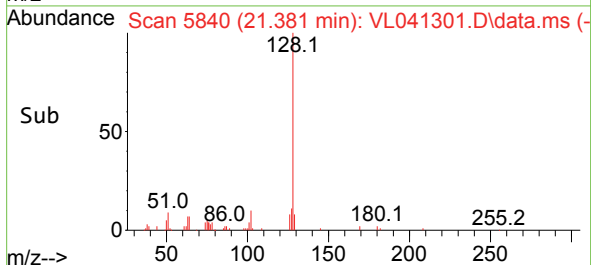
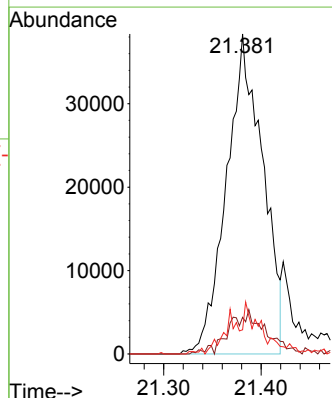
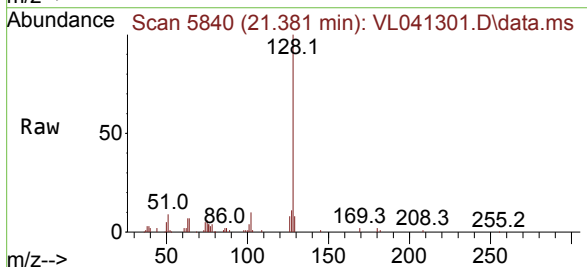
Tgt Ion:128 Resp: 98975

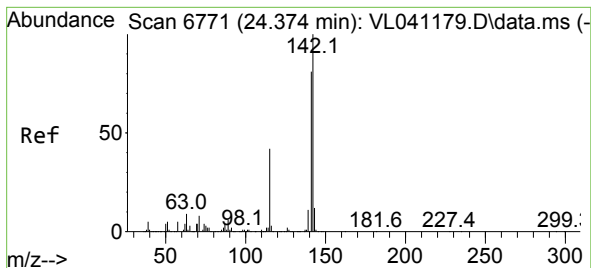
Ion Ratio Lower Upper

128 100

127 11.4 10.8 16.2

129 7.6 8.9 13.3#





#80

Naphthalene, 2-methyl-

Concen: 0.066 ppbv

RT: 24.371 min Scan# 61

Delta R.T. -0.016 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

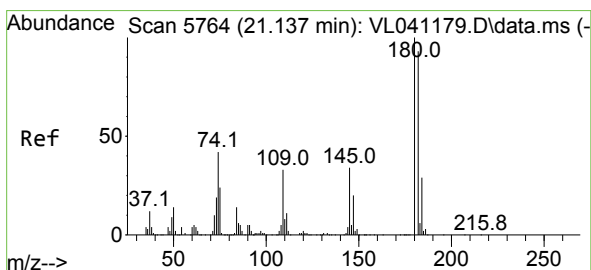
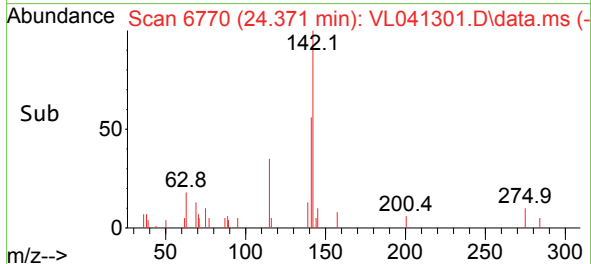
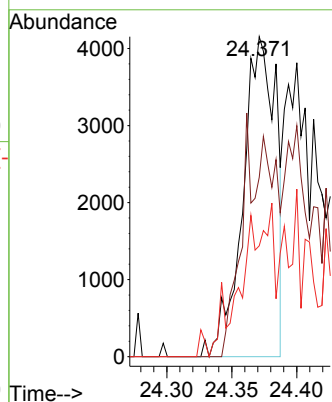
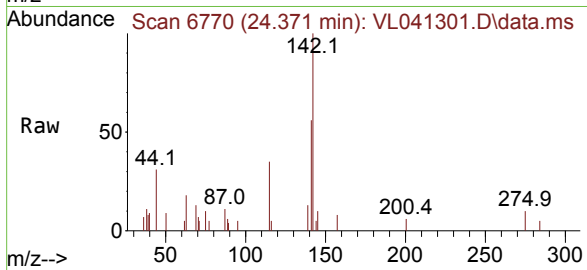
Tgt Ion:142 Resp: 7326

Ion Ratio Lower Upper

142 100

141 69.3 67.9 101.9

115 0.0 31.4 47.0#



#81

1,2,4-Trichlorobenzene

Concen: 0.152 ppbv

RT: 21.130 min Scan# 5762

Delta R.T. -0.022 min

Lab File: VL041301.D

Acq: 4 Jun 2024 11:10

Tgt Ion:180 Resp: 22197

Ion Ratio Lower Upper

180 100

182 0.0 77.2 115.8#

184 95.1 24.6 36.8#

