

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041180.D
 Acq On : 29 Apr 2024 12:08
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Apr 30 05:06:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 30 05:04:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1076309	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2721509	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2647074	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1958570	9.797	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.723	85	285521	1.919	ppbv	99
3) Chlorodifluoromethane	2.668	51	342576	2.088	ppbv	99
4) Chloromethane	2.806	50	138671	2.124	ppbv	93
5) Vinyl Chloride	2.912	62	131004	2.069	ppbv	92
6) Bromomethane	3.112	94	46782	1.994	ppbv	94
7) Chloroethane	3.189	64	45358	1.974	ppbv	94
8) Dichlorotetrafluoroethane	2.851	85	315688	2.100	ppbv	99
9) Propene	2.687	41	131647	2.056	ppbv	98
10) Heptane	7.571	43	316007	2.062	ppbv	98
11) Trichlorofluoromethane	3.555	101	307344	2.080	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	219116	1.985	ppbv	95
13) Ethanol	3.240	45	34621	2.504	ppbv	83
14) Bromoethene	3.356	108	95178	2.070	ppbv	98
15) Acetone	3.462	43	283319	2.206	ppbv	100
16) 1,3-Butadiene	2.977	39	111577	1.747	ppbv #	79
17) tert-Butyl alcohol	3.870	59	306678	2.209	ppbv	98
18) 1,1-Dichloroethene	3.874	96	106386	2.101	ppbv	94
19) Isopropyl Alcohol	3.613	45	1896	0.023	ppbv #	41
20) Methylene Chloride	3.928	84	91024	2.041	ppbv	93
21) Allyl Chloride	3.989	41	168195	2.010	ppbv	95
22) trans-1,2-Dichloroethene	4.439	96	102244	2.045	ppbv	96
23) Vinyl Acetate	4.623	43	279931	1.976	ppbv	99
24) 1,1-Dichloroethane	4.555	63	227028	2.079	ppbv	98
25) Ethyl Acetate	5.202	43	533627	2.118	ppbv	99
26) Hexane	5.208	57	238740	2.141	ppbv	99
27) Carbon Disulfide	4.118	76	277378	2.097	ppbv #	85
28) Methyl tert-Butyl Ether	4.581	73	185620	2.045	ppbv	99
29) Chloroform	5.266	83	327523	2.104	ppbv	99
30) Cyclohexane	6.597	84	186989	2.043	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	224494	2.102	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	330278	2.115	ppbv	99
34) 2-Butanone	4.784	43	274037	2.058	ppbv	96
35) Carbon Tetrachloride	6.488	117	316751	2.051	ppbv	95
36) Benzene	6.362	78	477811	2.087	ppbv	99
37) 1,2-Dichloroethane	5.800	62	248464	2.074	ppbv	98
38) Trichloroethene	7.285	130	171574	1.985	ppbv	97
39) 1,2-Dichloropropane	7.066	63	183483	2.074	ppbv	99
40) 1,4-Dioxane	7.285	88	37149	1.176	ppbv #	1
41) Tetrahydrofuran	5.558	42	204565	2.078	ppbv	97
42) Bromodichloromethane	7.240	83	363205	2.077	ppbv #	99
43) Methyl Methacrylate	7.468	69	103443	1.101	ppbv #	1
44) 2,2,4-Trimethylpentane	7.324	57	838853	2.116	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	137893	2.005	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041180.D
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

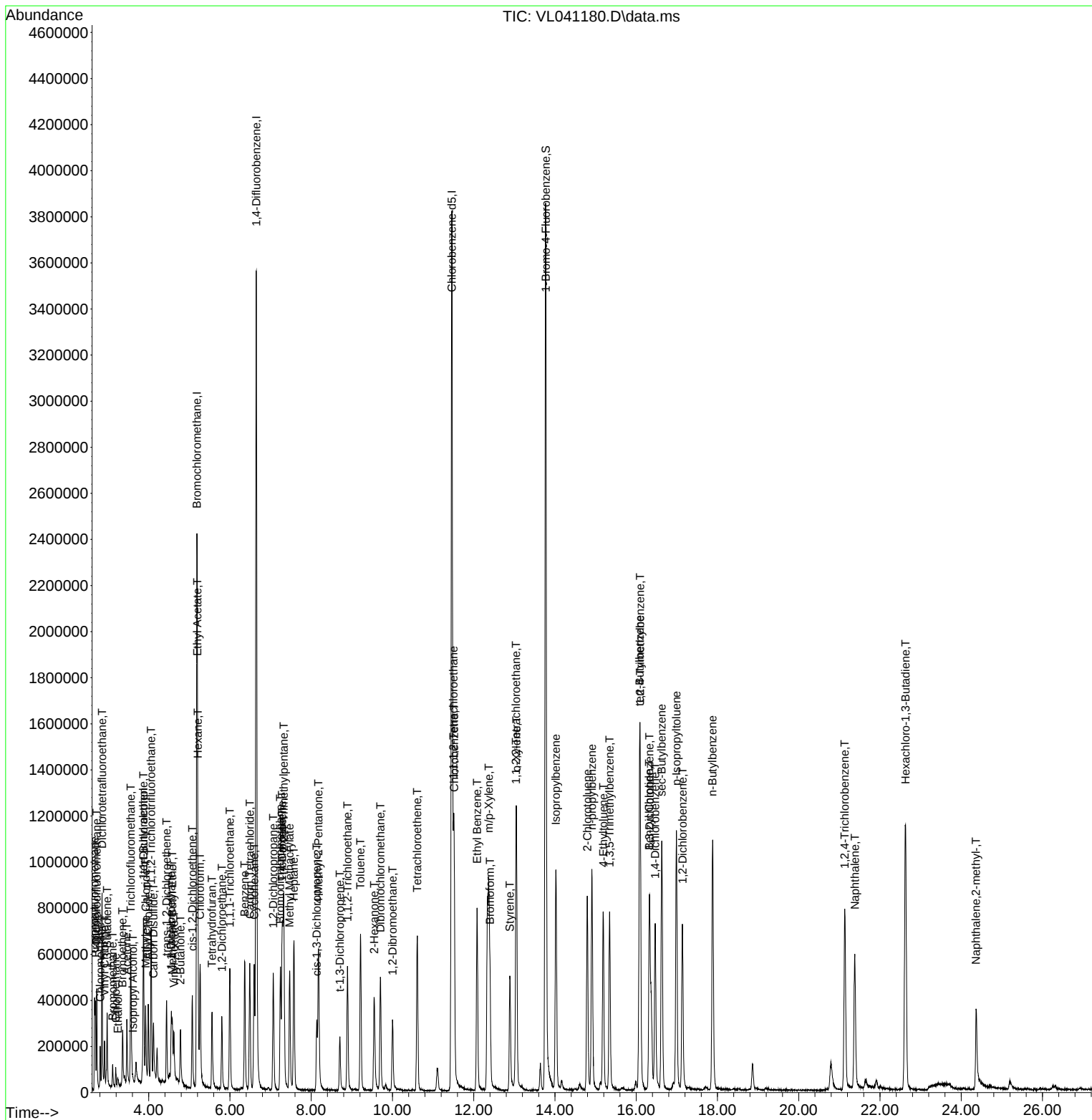
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

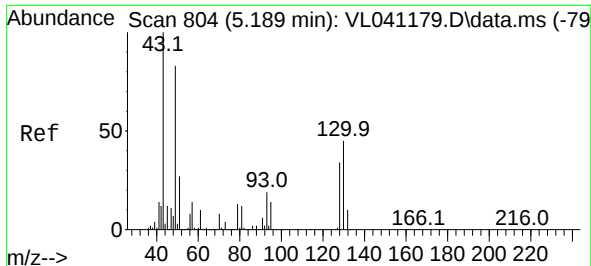
Quant Time: Apr 30 05:06:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 30 05:04:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	171920	2.065	ppbv	95
47) 1,1,2-Trichloroethane	8.893	97	184393	2.094	ppbv	98
48) Dibromochloromethane	9.703	129	301881	2.119	ppbv	99
49) Bromoform	12.404	173	258427	2.113	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	544700	2.167	ppbv	99
51) 2-Hexanone	9.552	43	404415	2.210	ppbv #	99
52) Tetrachloroethene	10.610	164	169148	2.097	ppbv	96
53) Toluene	9.214	91	565315	2.118	ppbv	99
54) 1,2-Dibromoethane	10.002	107	253281	2.116	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	228733	2.087	ppbv #	1
57) Chlorobenzene	11.520	112	406860	2.102	ppbv	96
58) Ethyl Benzene	12.082	91	761110	2.088	ppbv	97
59) m/p-Xylene	12.368	91	667422	2.181	ppbv #	40
60) o-Xylene	13.053	91	593818	2.067	ppbv	100
61) Styrene	12.889	104	308755	2.058	ppbv	99
62) Isopropylbenzene	14.024	105	904946	2.097	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	417149	2.138	ppbv	100
64) n-propylbenzene	14.912	120	225658	2.086	ppbv	90
65) tert-Butylbenzene	16.082	119	814409	2.135	ppbv	100
66) Benzyl Chloride	16.323	91	34531	0.761	ppbv #	32
67) sec-Butylbenzene	16.629	105	1150769	2.133	ppbv	100
69) p-Isopropyltoluene	16.989	119	956636	2.139	ppbv	98
70) n-Butylbenzene	17.879	91	1003678	2.160	ppbv	99
71) 2-Chlorotoluene	14.796	91	689763	2.092	ppbv	98
72) 4-Ethyltoluene	15.188	105	677435	2.067	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	616820	2.076	ppbv	98
74) 1,2,4-Trimethylbenzene	16.098	105	691367	2.138	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	388460	2.134	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	371195	2.094	ppbv	96
77) 1,2-Dichlorobenzene	17.140	146	383148	2.083	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	365055	2.233	ppbv	99
79) Naphthalene	21.381	128	752980	2.456	ppbv	97
80) Naphthalene,2-methyl-	24.365	142	318754	2.470	ppbv	93
81) 1,2,4-Trichlorobenzene	21.130	180	368750	2.251	ppbv	100

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

Quant Time: Apr 30 05:06:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Tue Apr 30 05:04:57 2024
Response via : Initial Calibration

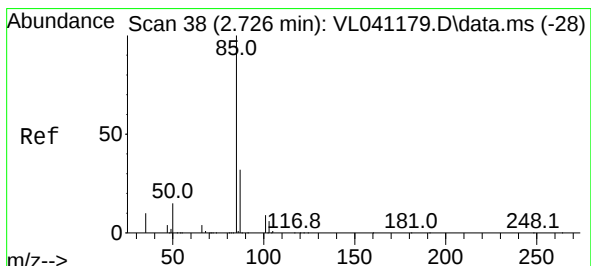
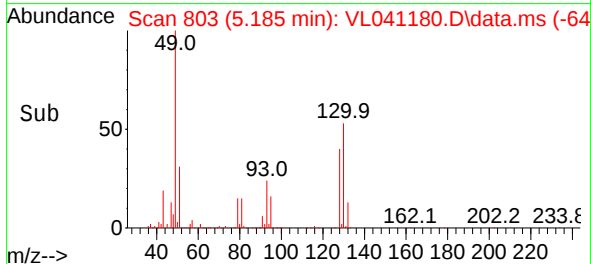
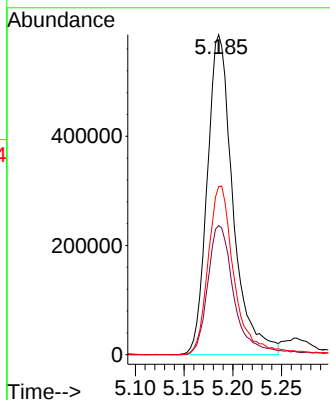
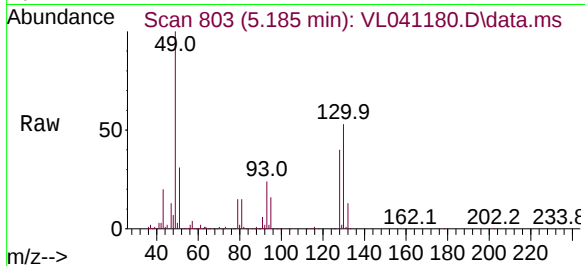




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. -0.004 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

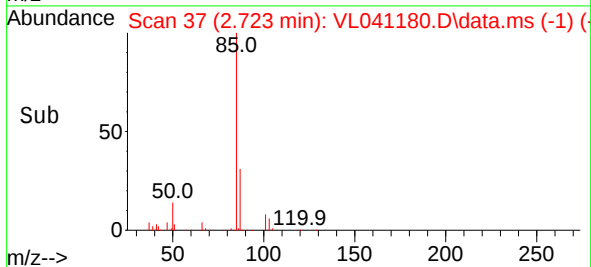
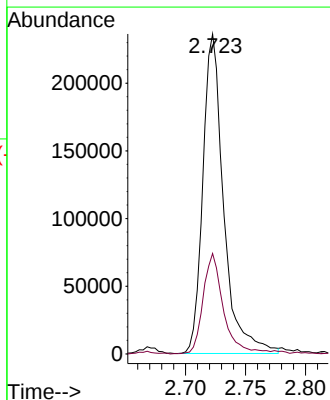
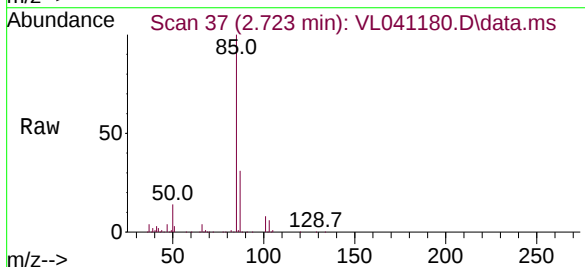
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

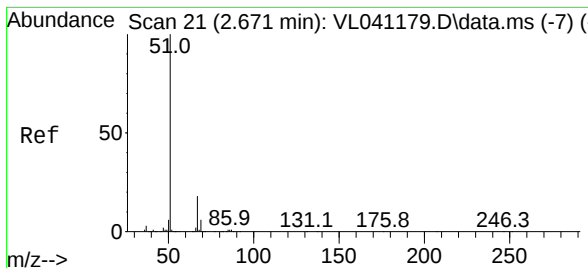
Tgt Ion: 49 Resp: 1076309
 Ion Ratio Lower Upper
 49 100
 128 42.5 21.5 64.5
 130 55.3 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 1.919 ppbv
 RT: 2.723 min Scan# 37
 Delta R.T. -0.003 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Tgt Ion: 85 Resp: 285521
 Ion Ratio Lower Upper
 85 100
 87 31.4 25.7 38.5





#3

Chlorodifluoromethane

Concen: 2.088 ppbv

RT: 2.668 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

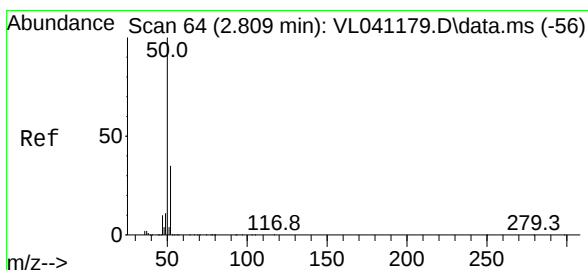
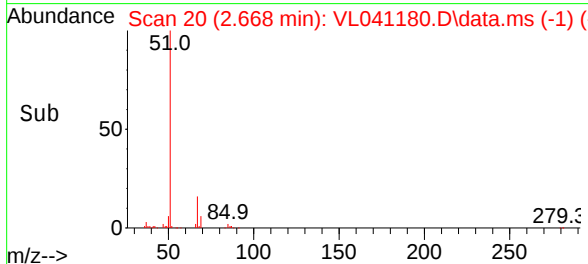
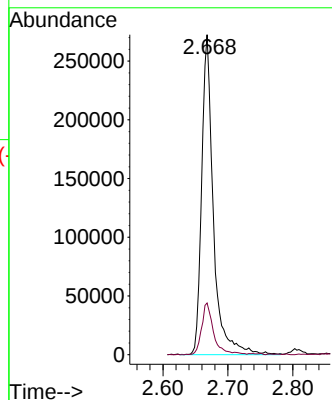
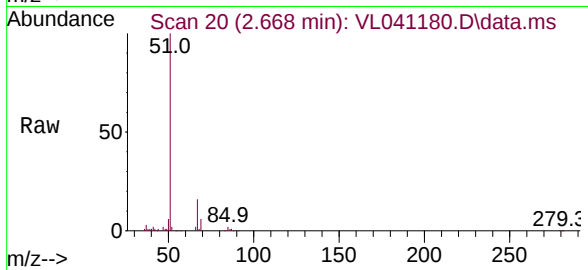
VSTDIC002

Tgt Ion: 51 Resp: 342576

Ion Ratio Lower Upper

51 100

67 17.0 14.0 21.0



#4

Chloromethane

Concen: 2.124 ppbv

RT: 2.806 min Scan# 63

Delta R.T. -0.003 min

Lab File: VL041180.D

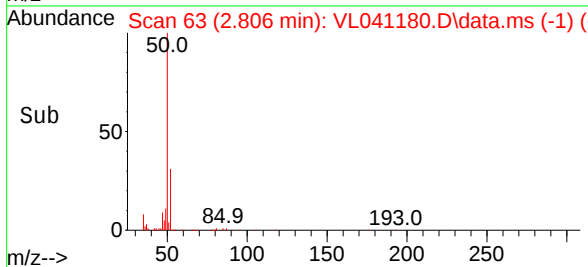
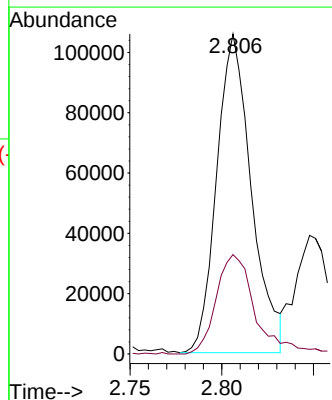
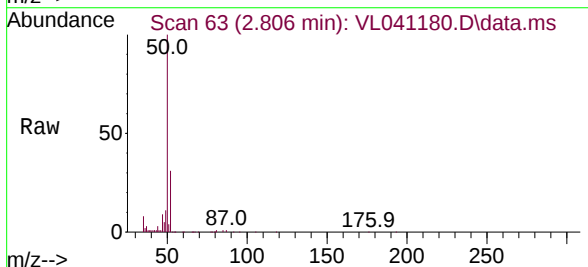
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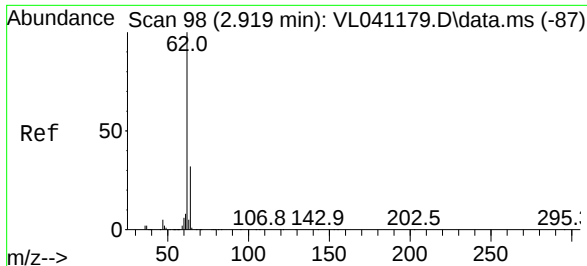
Tgt Ion: 50 Resp: 138671

Ion Ratio Lower Upper

50 100

52 31.2 28.3 42.5

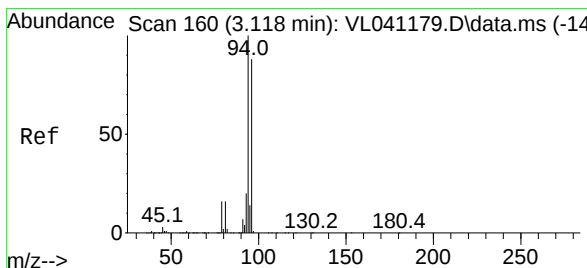
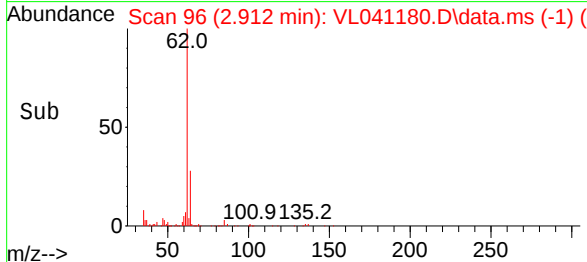
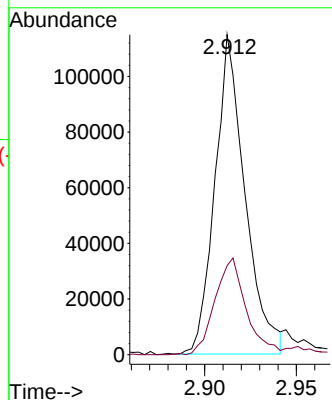
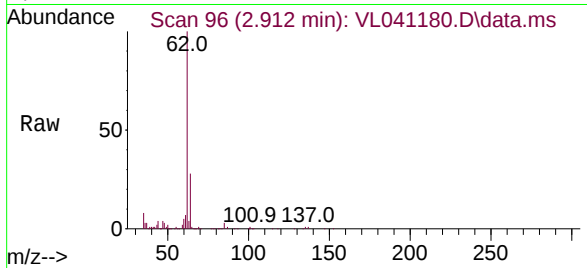




#5
 Vinyl Chloride
 Concen: 2.069 ppbv
 RT: 2.912 min Scan# 90
 Delta R.T. -0.006 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

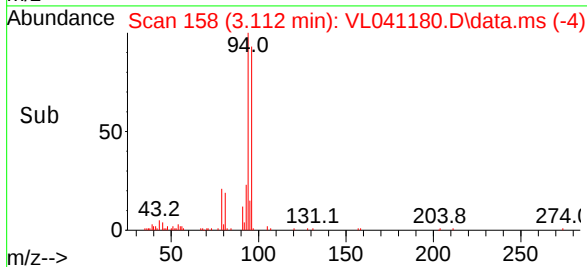
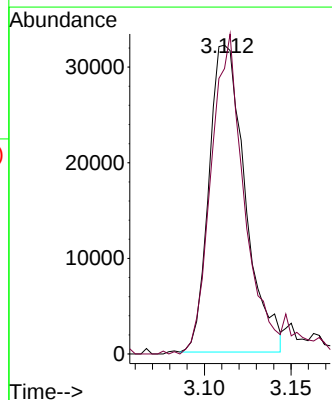
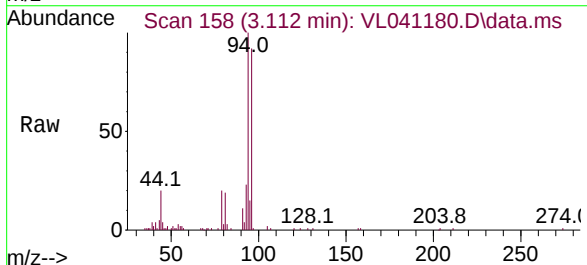
Instrument :
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 VSTDICC002

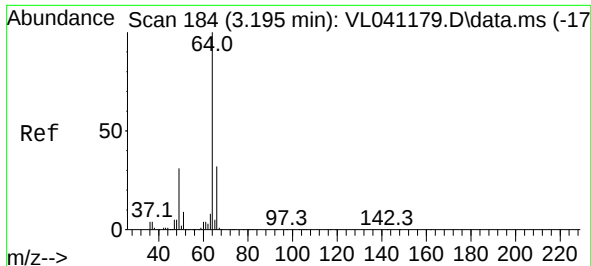
Tgt Ion: 62 Resp: 131004
 Ion Ratio Lower Upper
 62 100
 64 27.4 25.7 38.5



#6
 Bromomethane
 Concen: 1.994 ppbv
 RT: 3.112 min Scan# 158
 Delta R.T. -0.006 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Tgt Ion: 94 Resp: 46782
 Ion Ratio Lower Upper
 94 100
 96 93.0 70.1 105.1

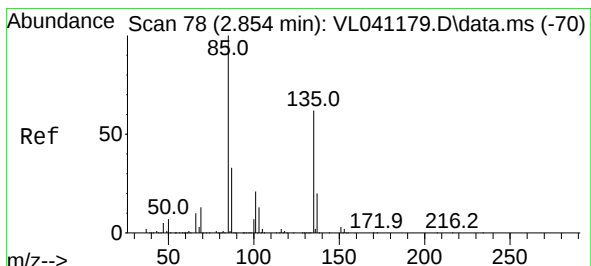
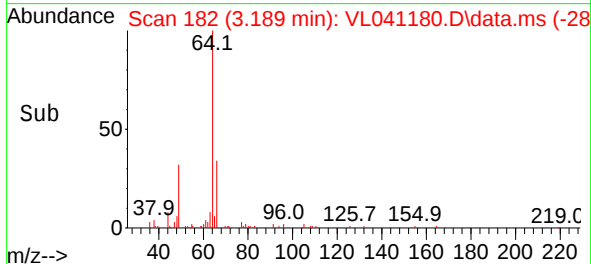
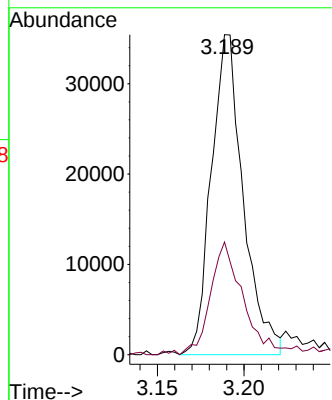
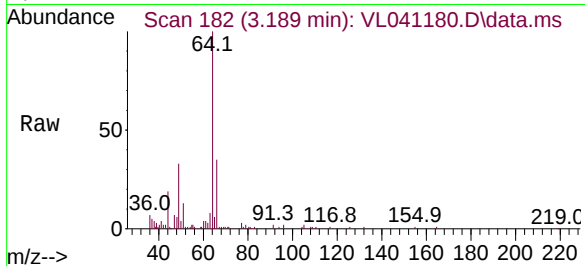




#7
Chloroethane
Concen: 1.974 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

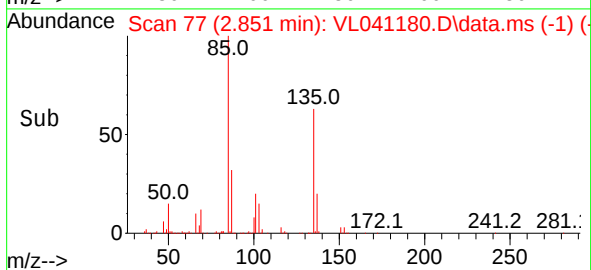
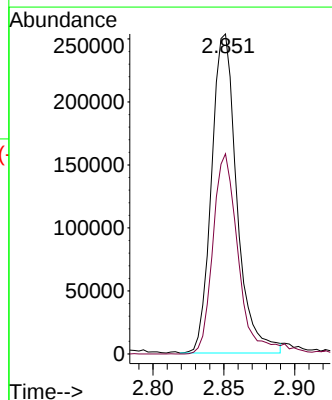
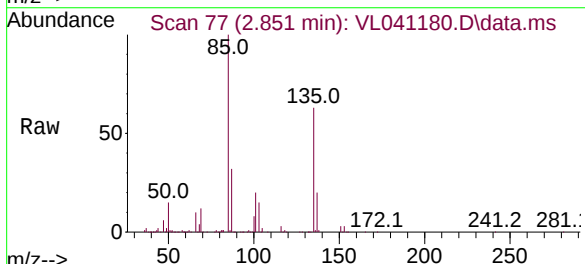
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ClientSampleId :
VSTDICC002

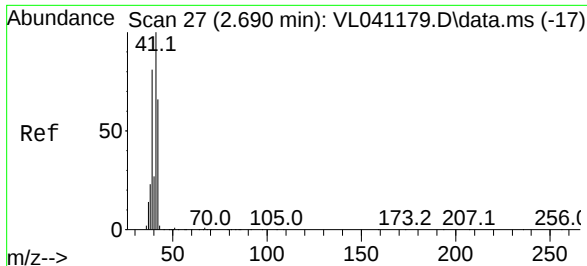
Tgt Ion: 64 Resp: 45358
Ion Ratio Lower Upper
64 100
66 35.2 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 2.100 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 85 Resp: 315688
Ion Ratio Lower Upper
85 100
135 64.9 51.5 77.3





#9

Propene

Concen: 2.056 ppbv

RT: 2.687 min Scan# 2

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_1

ClientSampleId :

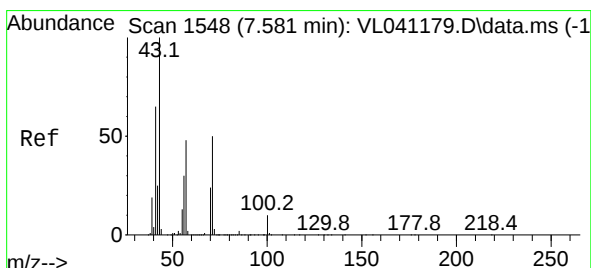
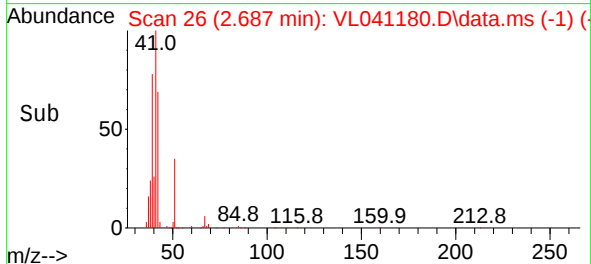
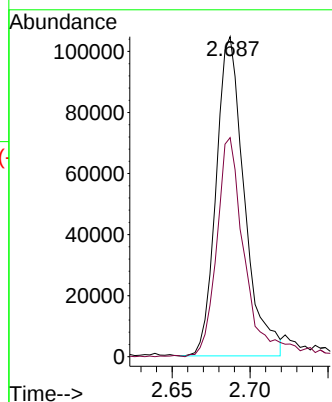
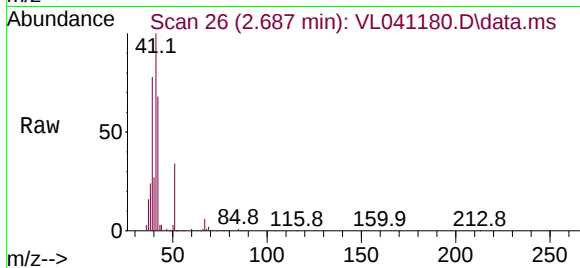
VSTDIC002

Tgt Ion: 41 Resp: 131647

Ion Ratio Lower Upper

41 100

42 70.4 55.3 82.9



#10

Heptane

Concen: 2.062 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. -0.010 min

Lab File: VL041180.D

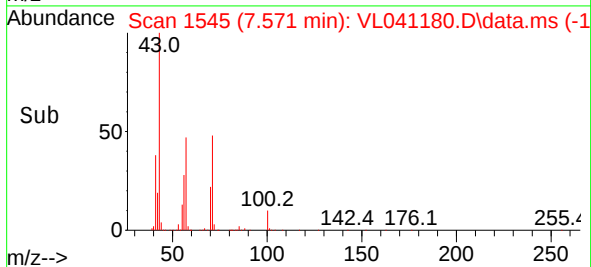
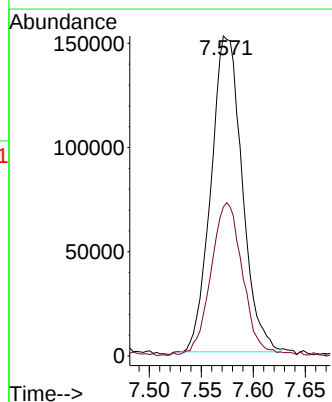
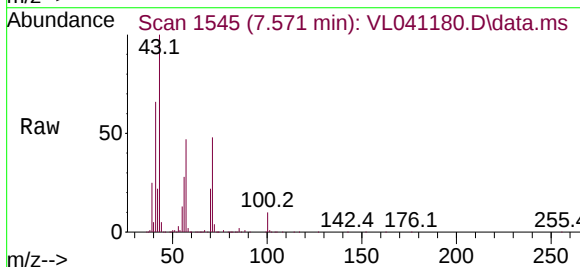
Acq: 29 Apr 2024 12:08

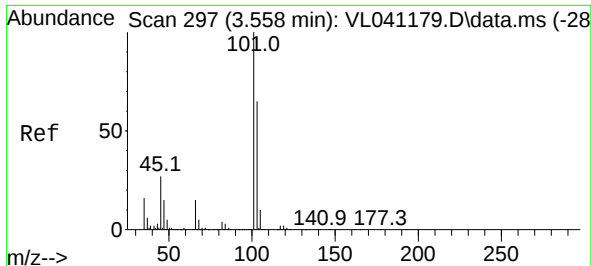
Tgt Ion: 43 Resp: 316007

Ion Ratio Lower Upper

43 100

57 50.0 38.7 58.1





#11

Trichlorofluoromethane

Concen: 2.080 ppbv

RT: 3.555 min Scan# 297

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

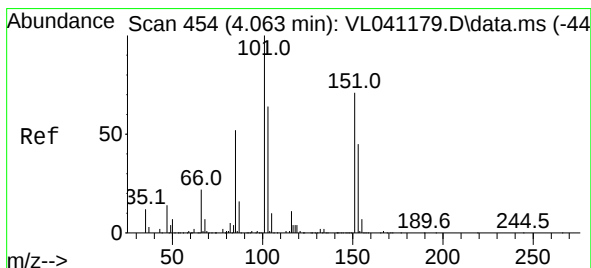
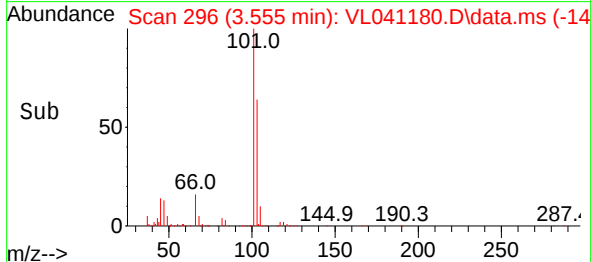
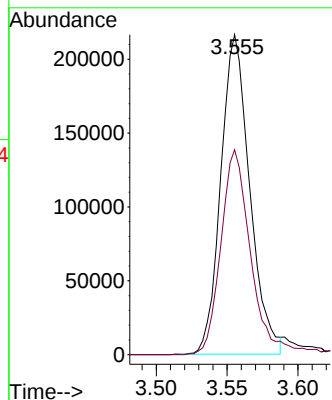
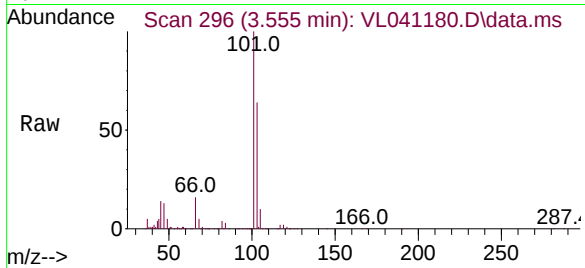
VSTDIC002

Tgt Ion:101 Resp: 307344

Ion Ratio Lower Upper

101 100

103 64.1 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.985 ppbv

RT: 4.060 min Scan# 453

Delta R.T. -0.003 min

Lab File: VL041180.D

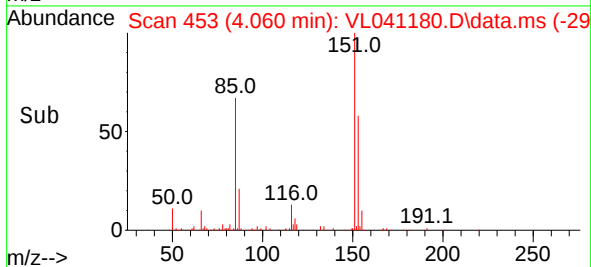
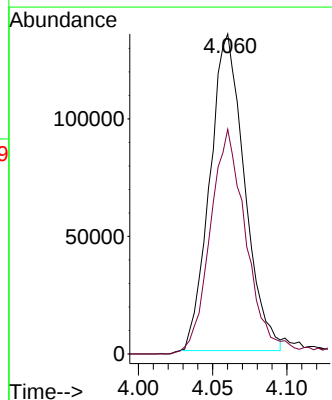
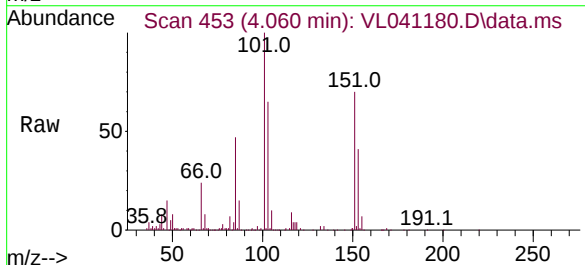
Acq: 29 Apr 2024 12:08

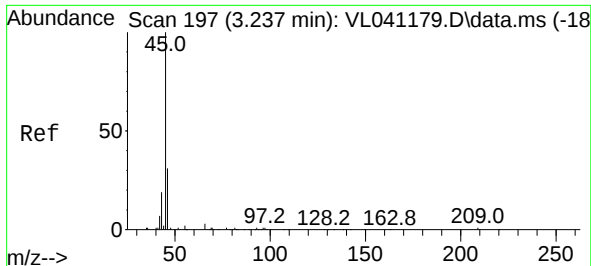
Tgt Ion:101 Resp: 219116

Ion Ratio Lower Upper

101 100

151 75.4 56.8 85.2





#13

Ethanol

Concen: 2.504 ppbv

RT: 3.240 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_1

ClientSampleId :

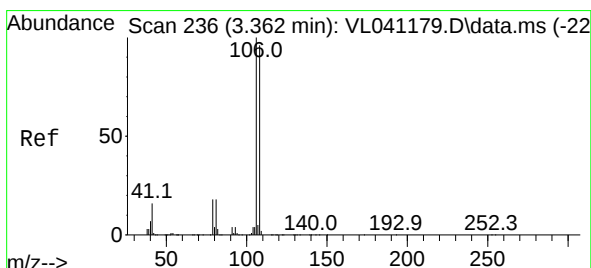
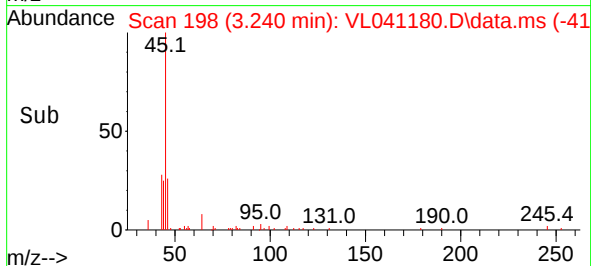
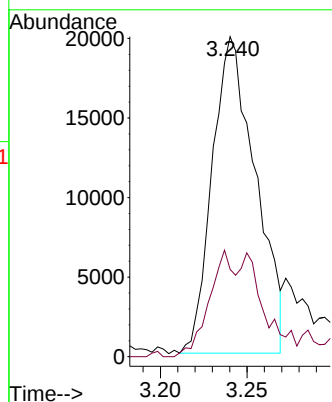
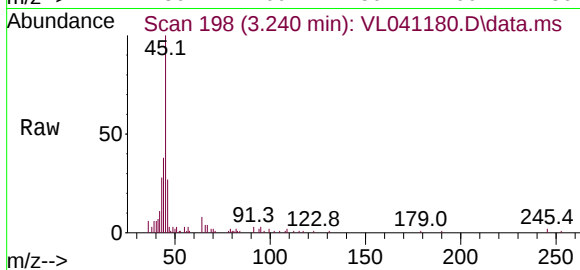
VSTDIC002

Tgt Ion: 45 Resp: 34621

Ion Ratio Lower Upper

45 100

46 47.1 14.8 59.0



#14

Bromoethene

Concen: 2.070 ppbv

RT: 3.356 min Scan# 234

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

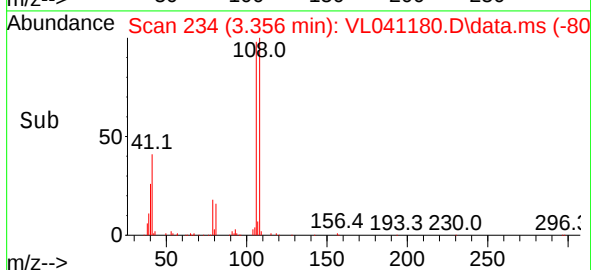
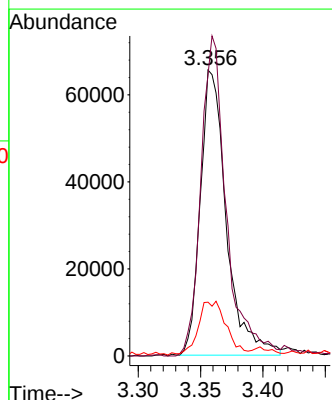
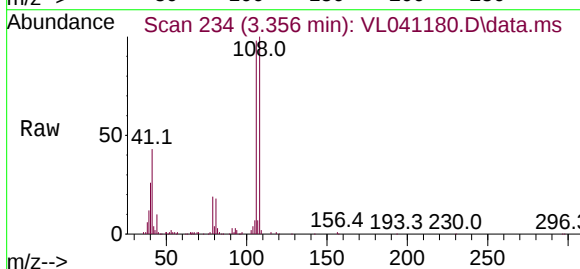
Tgt Ion: 108 Resp: 95178

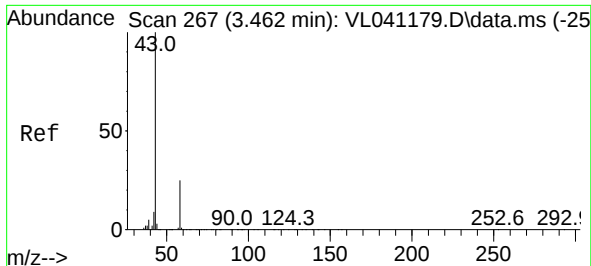
Ion Ratio Lower Upper

108 100

106 112.8 88.2 132.4

79 23.1 17.4 26.0





#15

Acetone

Concen: 2.206 ppbv

RT: 3.462 min Scan# 2

Delta R.T. -0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

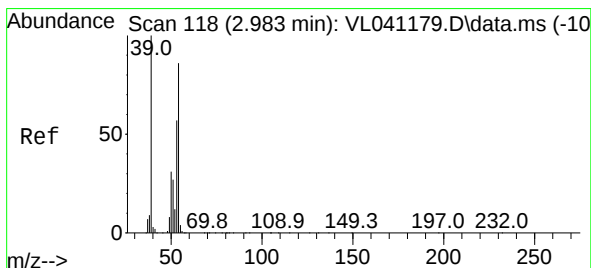
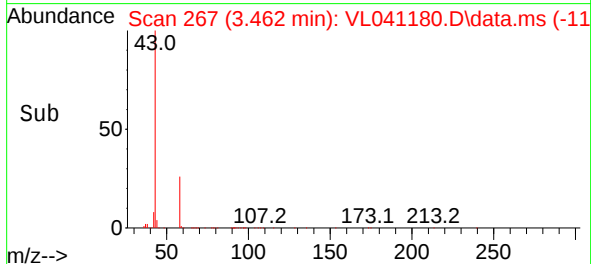
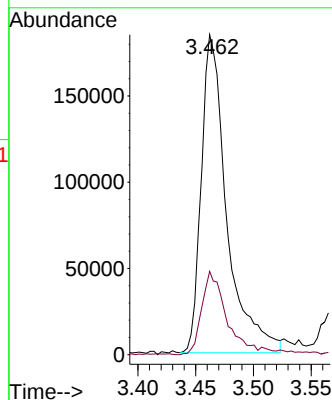
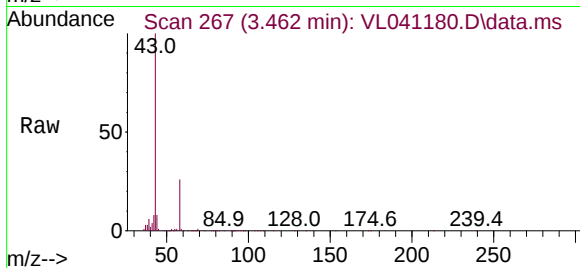
VSTDIC002

Tgt Ion: 43 Resp: 283319

Ion Ratio Lower Upper

43 100

58 26.5 21.4 32.0



#16

1,3-Butadiene

Concen: 1.747 ppbv

RT: 2.977 min Scan# 116

Delta R.T. -0.006 min

Lab File: VL041180.D

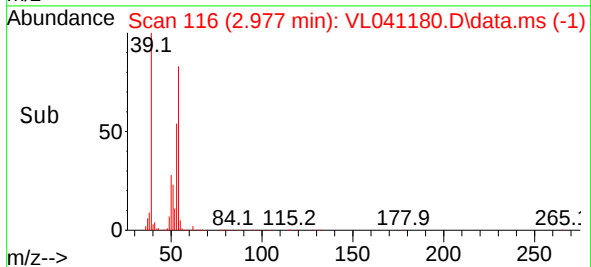
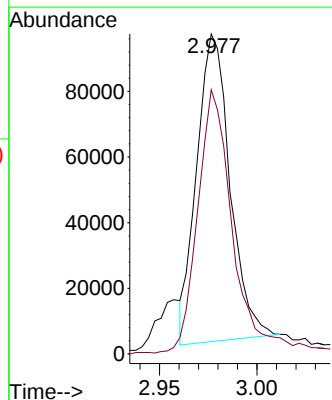
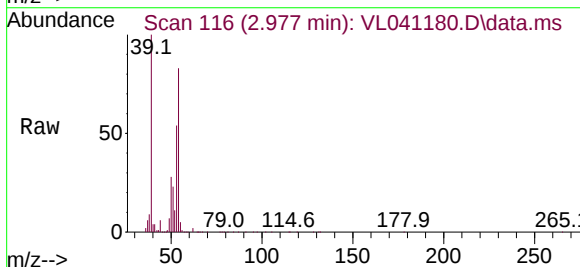
Acq: 29 Apr 2024 12:08

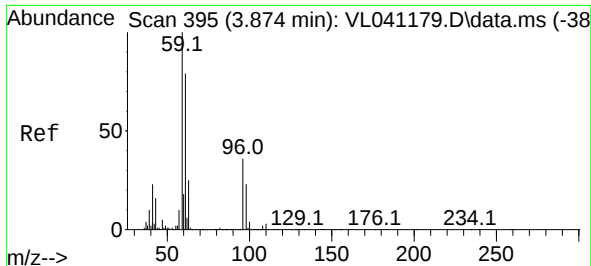
Tgt Ion: 39 Resp: 111577

Ion Ratio Lower Upper

39 100

54 96.4 62.2 93.4#

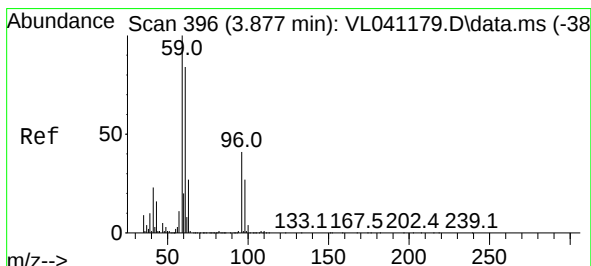
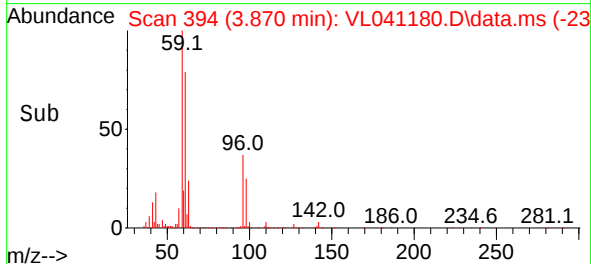
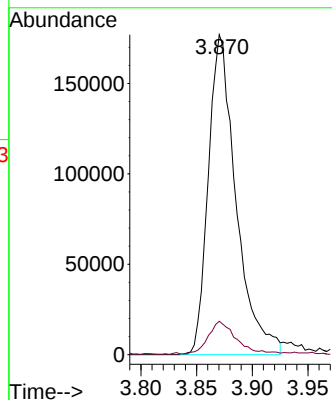
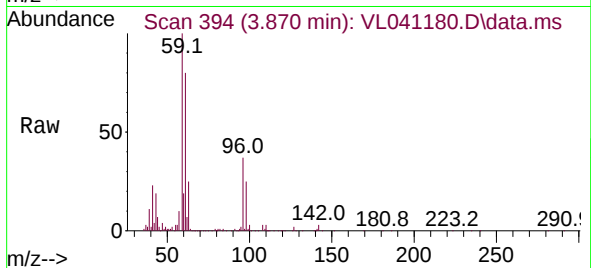




#17
tert-Butyl alcohol
Concen: 2.209 ppbv
RT: 3.870 min Scan# 395
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

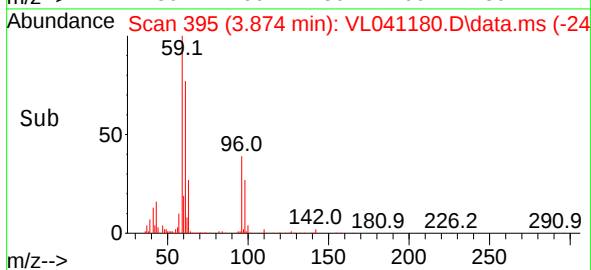
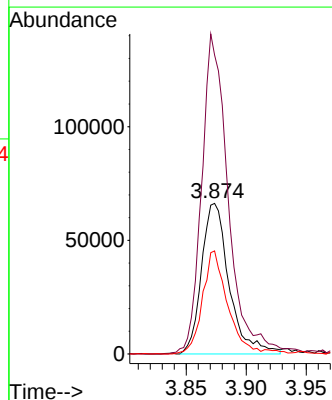
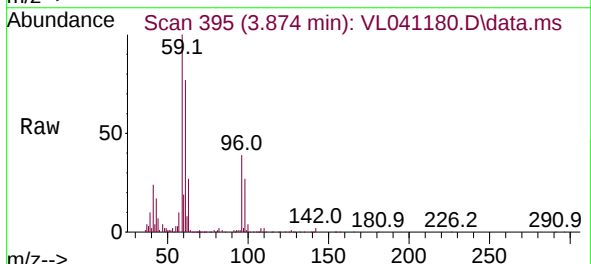
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

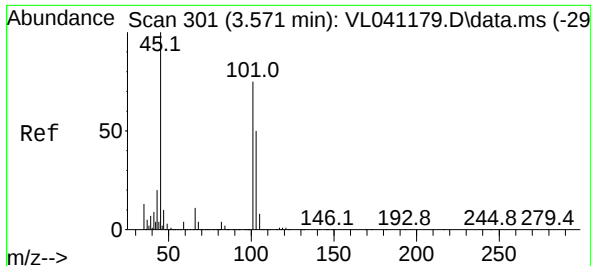
Tgt Ion: 59 Resp: 306678
Ion Ratio Lower Upper
59 100
57 11.3 8.4 12.6



#18
1,1-Dichloroethene
Concen: 2.101 ppbv
RT: 3.874 min Scan# 395
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 96 Resp: 106386
Ion Ratio Lower Upper
96 100
61 195.0 164.4 246.6
98 67.3 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.023 ppbv

RT: 3.613 min Scan# 314

Delta R.T. 0.042 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

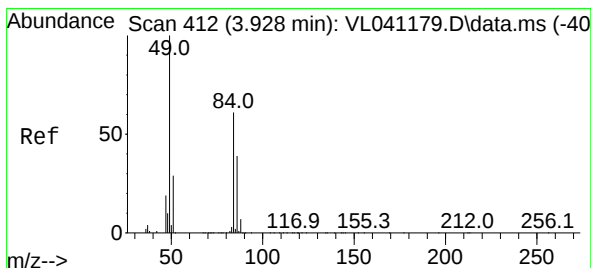
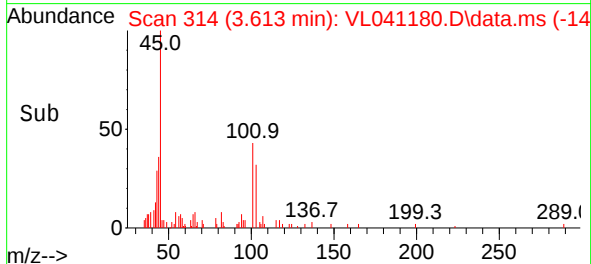
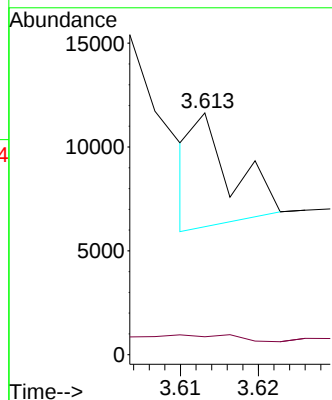
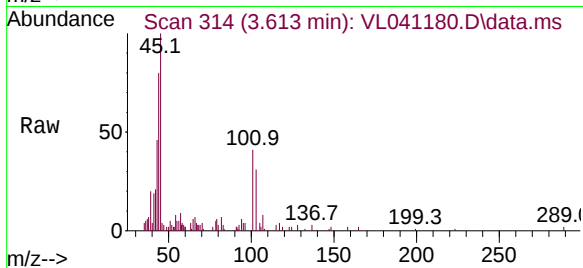
VSTDIC002

Tgt Ion: 45 Resp: 1896

Ion Ratio Lower Upper

45 100

58 0.0 26.8 40.2#



#20

Methylene Chloride

Concen: 2.041 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion: 84 Resp: 91024

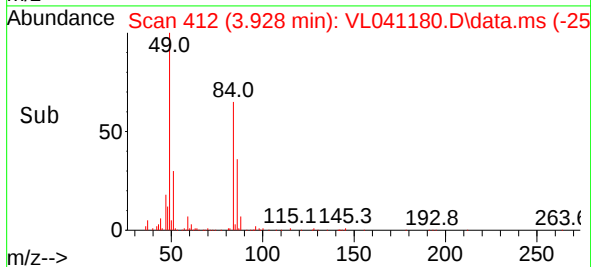
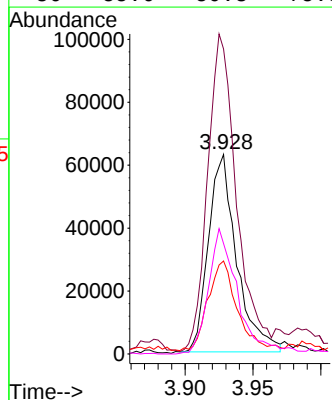
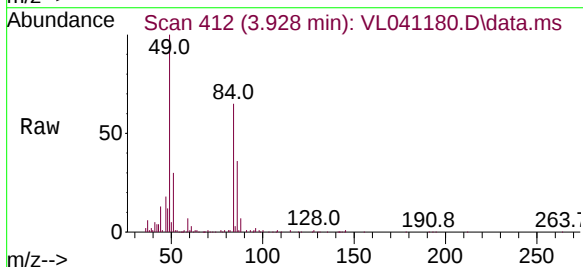
Ion Ratio Lower Upper

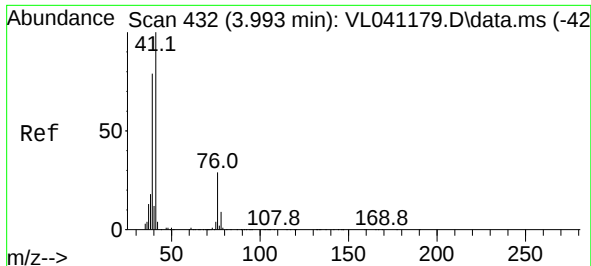
84 100

49 153.2 130.4 195.6

51 45.4 38.0 57.0

86 55.6 50.3 75.5





#21

Allyl Chloride

Concen: 2.010 ppbv

RT: 3.989 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

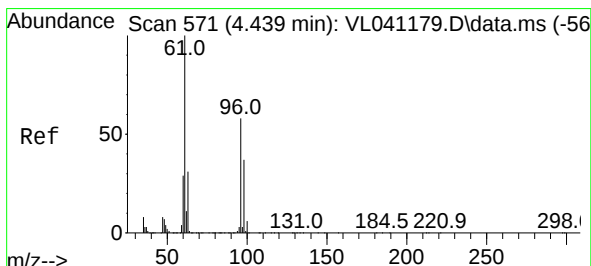
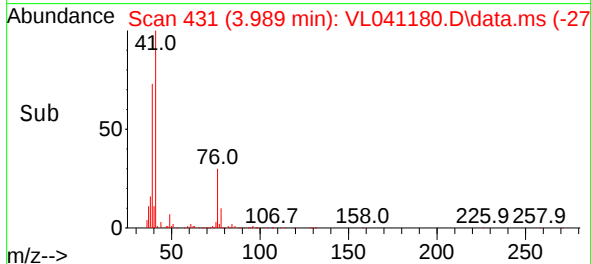
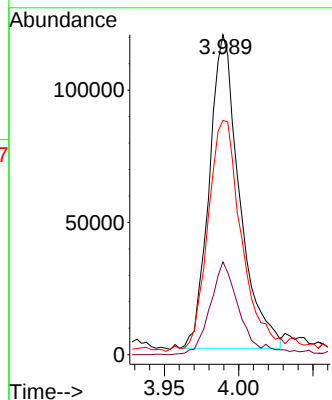
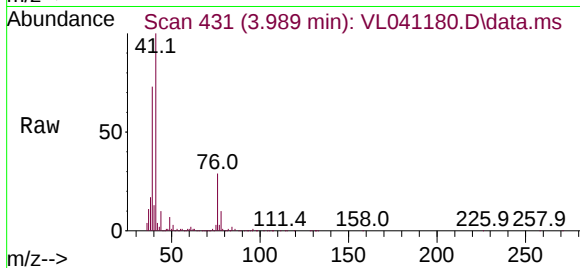
Tgt Ion: 41 Resp: 168195

Ion Ratio Lower Upper

41 100

76 29.3 23.7 35.5

39 87.3 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 2.045 ppbv

RT: 4.439 min Scan# 571

Delta R.T. -0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

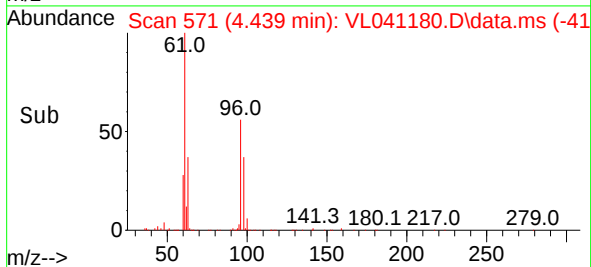
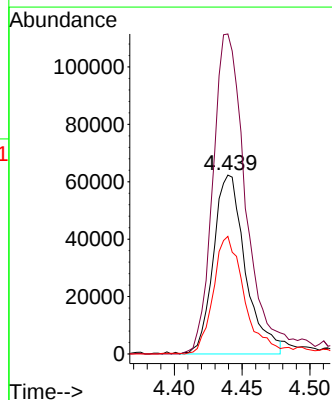
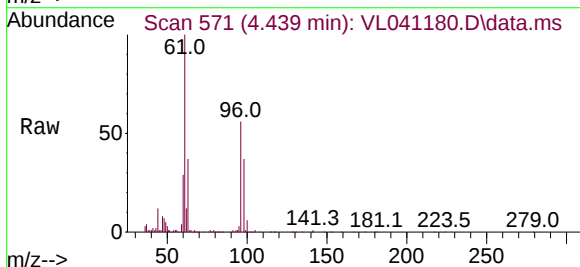
Tgt Ion: 96 Resp: 102244

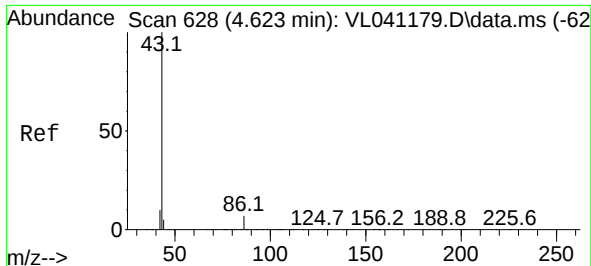
Ion Ratio Lower Upper

96 100

61 178.9 137.6 206.4

98 65.4 50.6 76.0



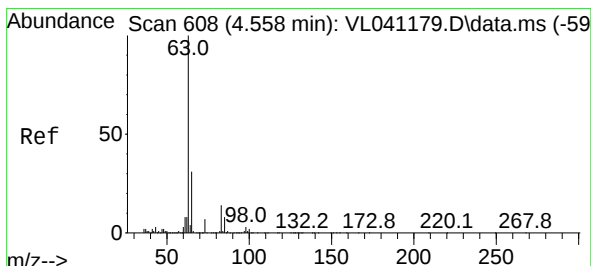
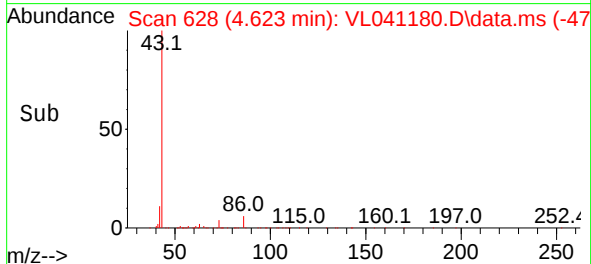
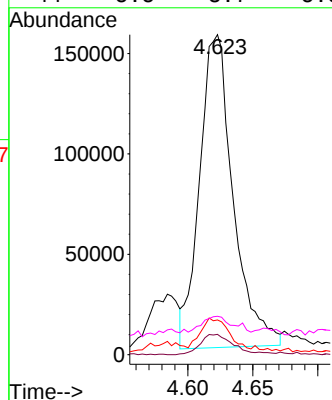
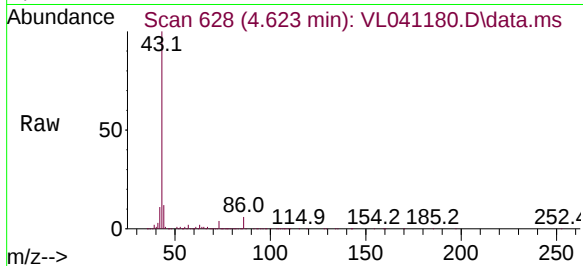


#23
 Vinyl Acetate
 Concen: 1.976 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 279931

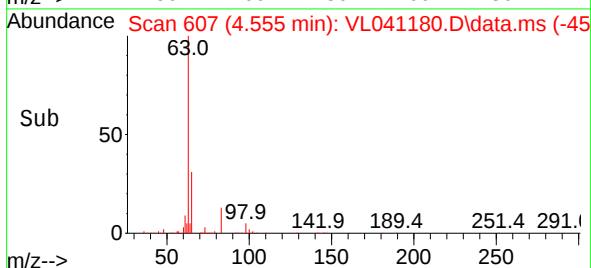
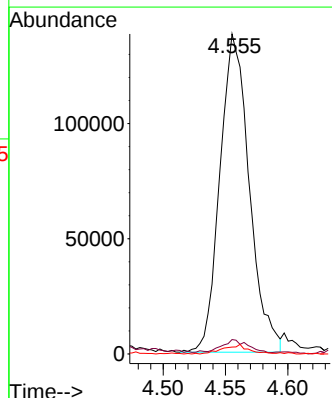
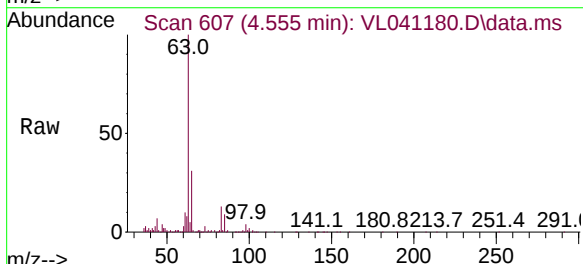
Ion	Ratio	Lower	Upper
43	100		
86	6.5	4.9	7.3
42	10.3	8.0	12.0
44	5.5	3.7	5.5

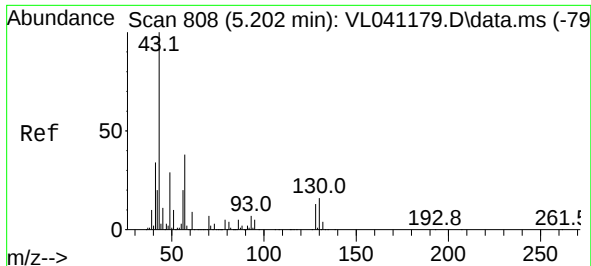


#24
 1,1-Dichloroethane
 Concen: 2.079 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Tgt Ion: 63 Resp: 227028

Ion	Ratio	Lower	Upper
63	100		
98	3.9	1.6	4.8
100	2.0	1.1	3.5





#25

Ethyl Acetate

Concen: 2.118 ppbv

RT: 5.202 min Scan# 808

Delta R.T. 0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 533627

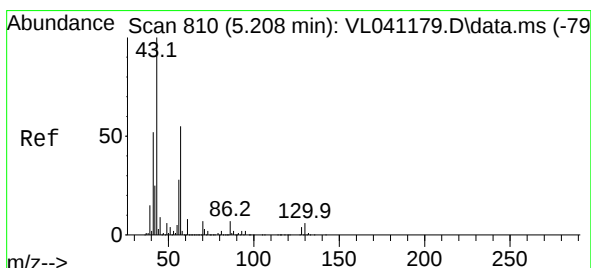
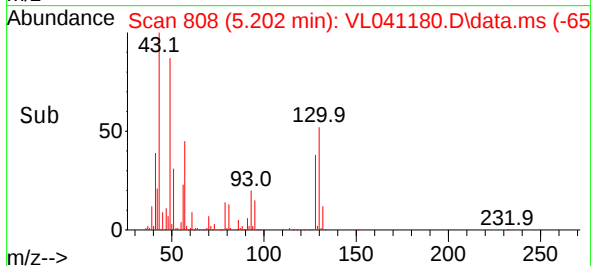
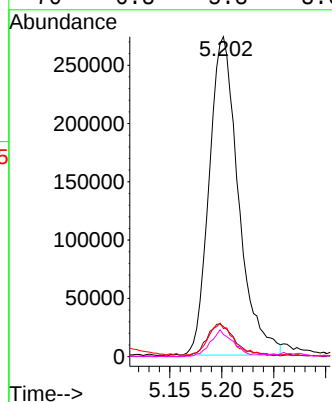
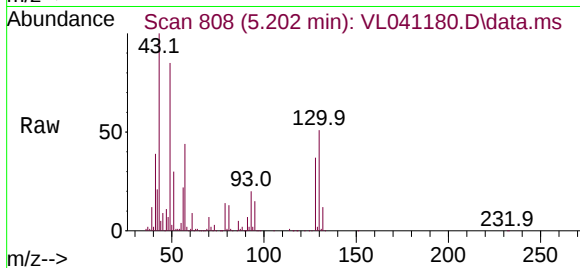
Ion Ratio Lower Upper

43 100

45 9.9 8.2 12.2

61 9.8 7.7 11.5

70 6.8 5.8 8.6



#26

Hexane

Concen: 2.141 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion: 57 Resp: 238740

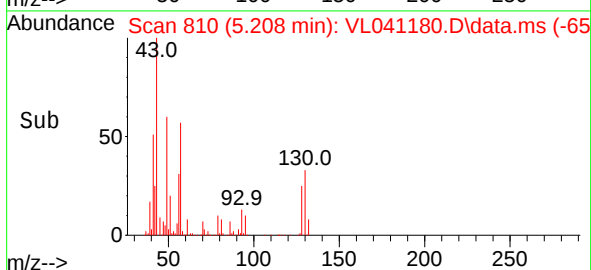
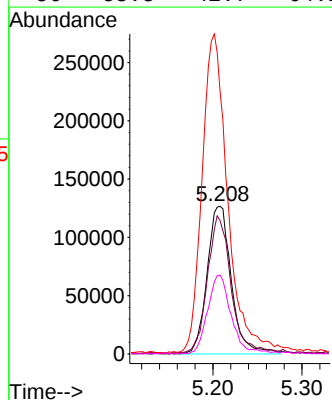
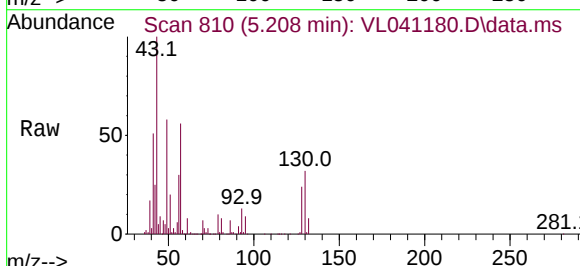
Ion Ratio Lower Upper

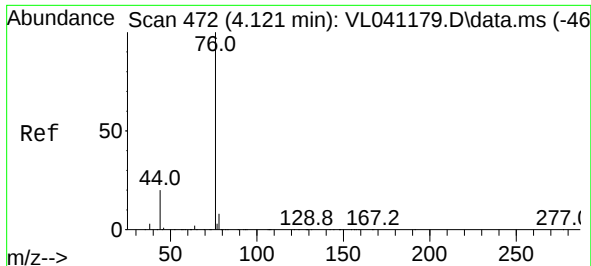
57 100

41 92.6 75.8 113.8

43 235.1 187.0 280.4

56 53.3 42.7 64.1

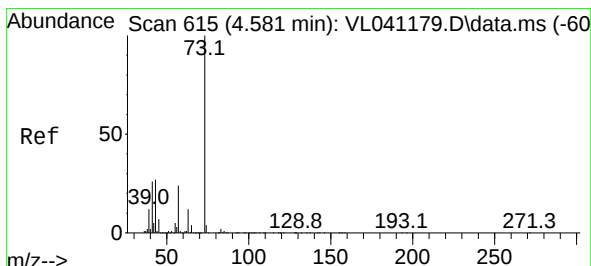
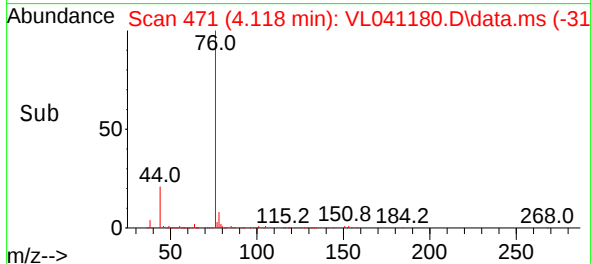
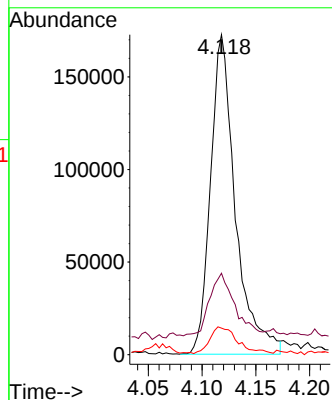
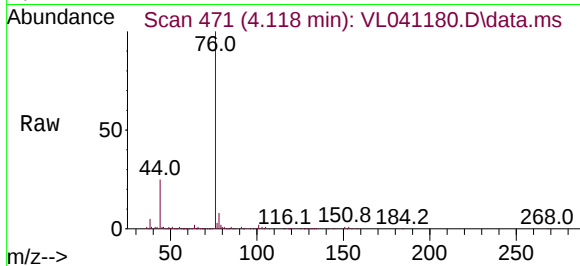




#27
Carbon Disulfide
Concen: 2.097 ppbv
RT: 4.118 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

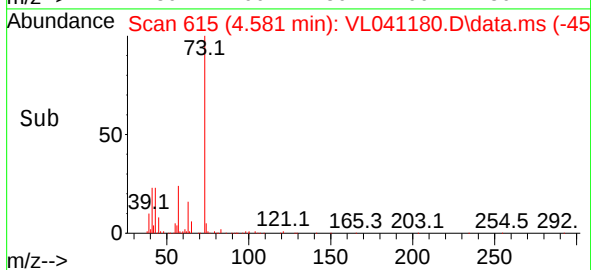
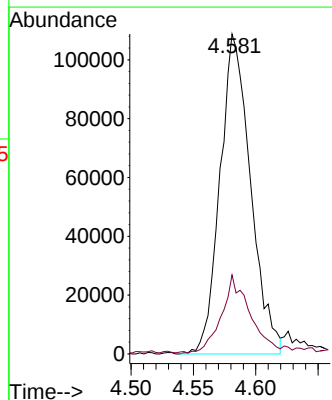
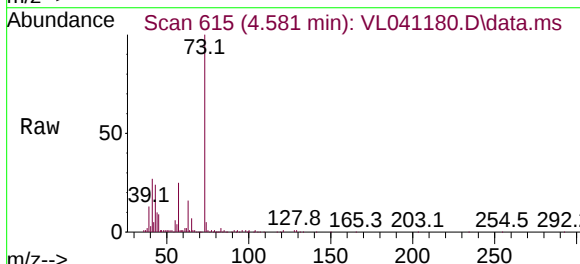
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

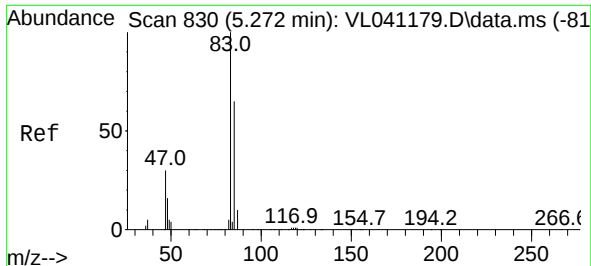
Tgt Ion: 76 Resp: 277378
Ion Ratio Lower Upper
76 100
44 29.4 16.3 24.5#
78 10.9 7.3 10.9



#28
Methyl tert-Butyl Ether
Concen: 2.045 ppbv
RT: 4.581 min Scan# 615
Delta R.T. 0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 73 Resp: 185620
Ion Ratio Lower Upper
73 100
57 23.9 18.8 28.2





#29

Chloroform

Concen: 2.104 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

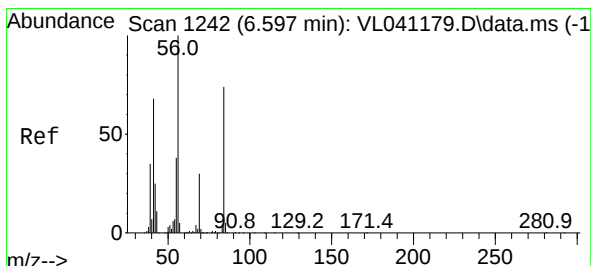
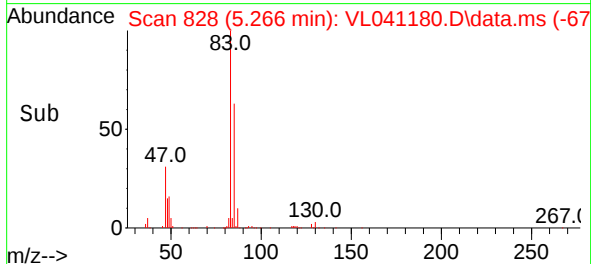
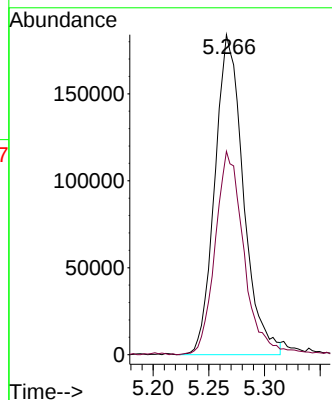
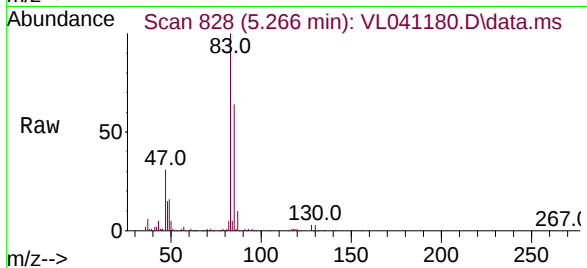
VSTDIC002

Tgt Ion: 83 Resp: 327523

Ion Ratio Lower Upper

83 100

85 63.4 51.7 77.5



#30

Cyclohexane

Concen: 2.043 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

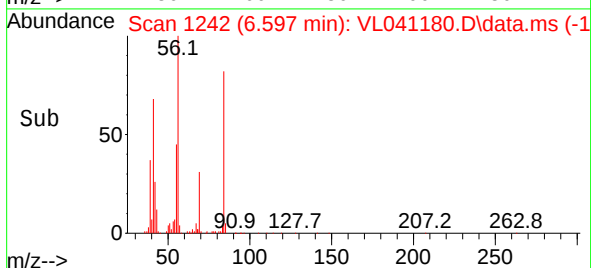
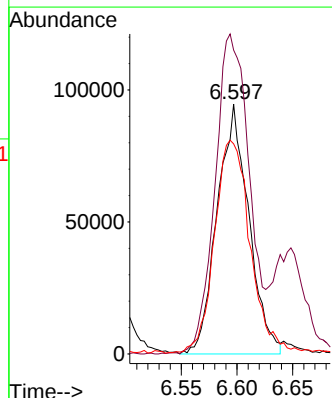
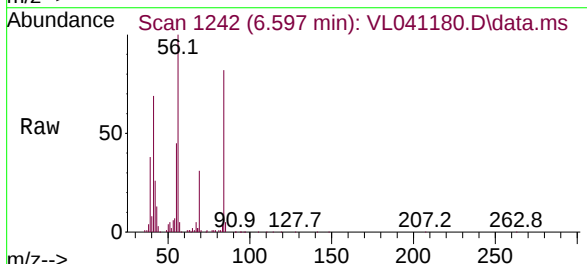
Tgt Ion: 84 Resp: 186989

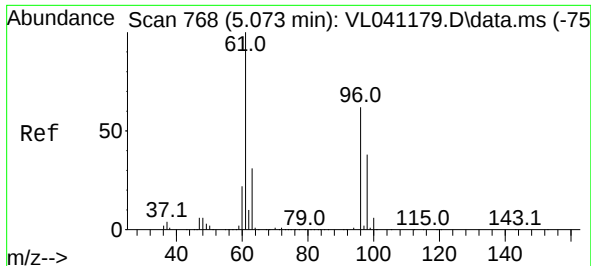
Ion Ratio Lower Upper

84 100

56 144.2 116.8 175.2

41 97.2 73.8 110.8

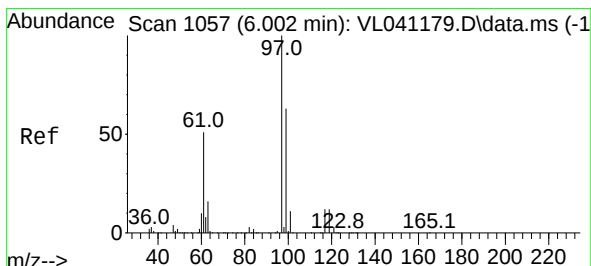
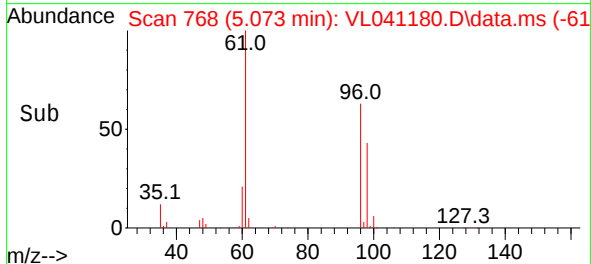
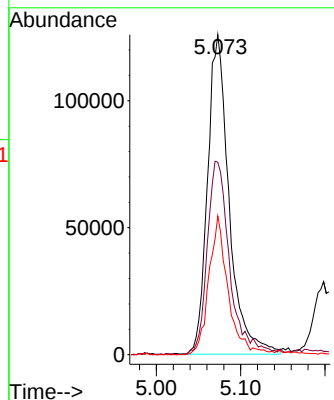
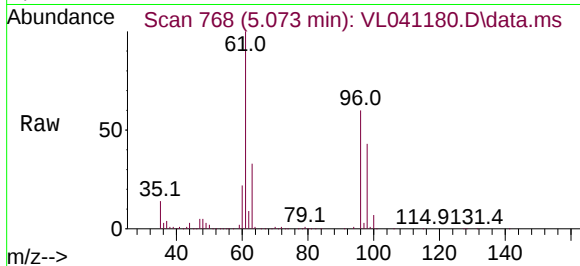




#31
cis-1,2-Dichloroethene
Concen: 2.102 ppbv
RT: 5.073 min Scan# 768
Delta R.T. -0.000 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

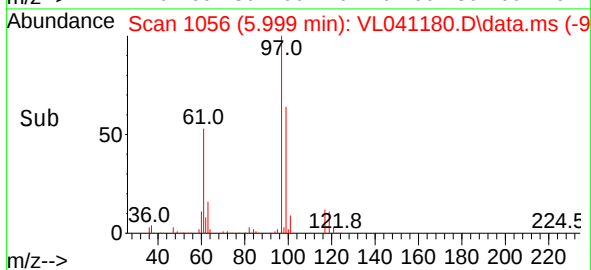
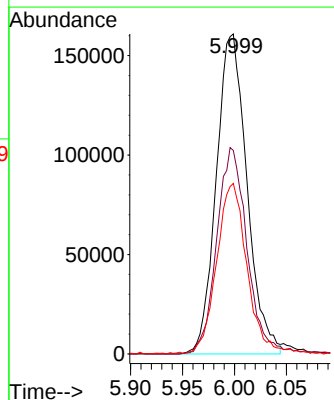
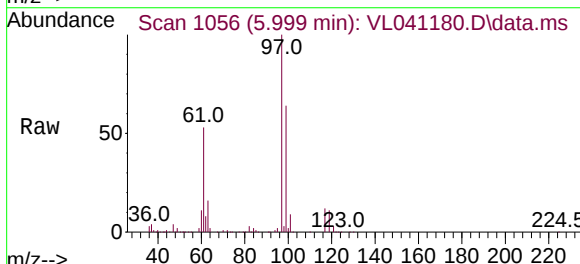
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

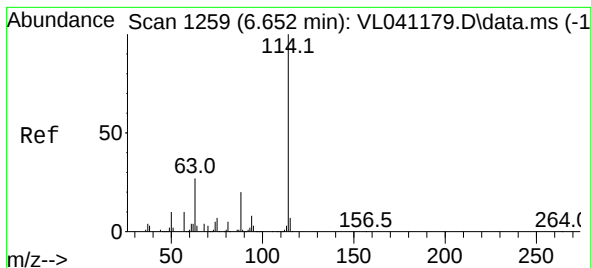
Tgt Ion: 61 Resp: 224494
Ion Ratio Lower Upper
61 100
96 60.0 49.8 74.6
98 43.4 30.0 45.0



#32
1,1,1-Trichloroethane
Concen: 2.115 ppbv
RT: 5.999 min Scan# 1056
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion: 97 Resp: 330278
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 53.2 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

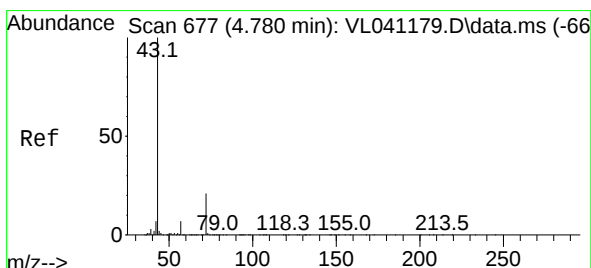
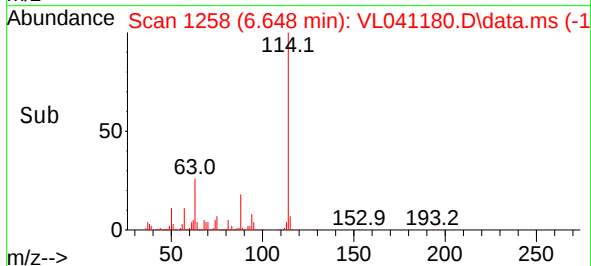
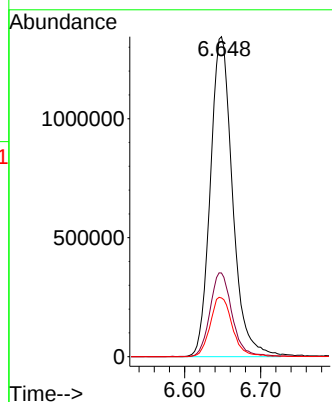
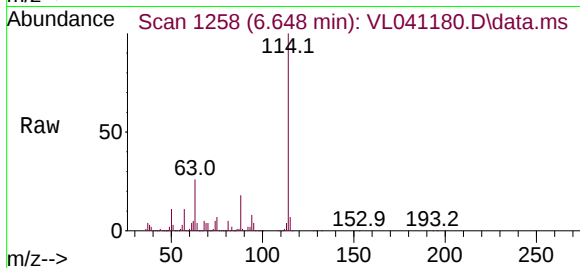
Tgt Ion:114 Resp: 2721509

Ion Ratio Lower Upper

114 100

63 26.5 21.8 32.6

88 18.8 15.2 22.8



#34

2-Butanone

Concen: 2.058 ppbv

RT: 4.784 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL041180.D

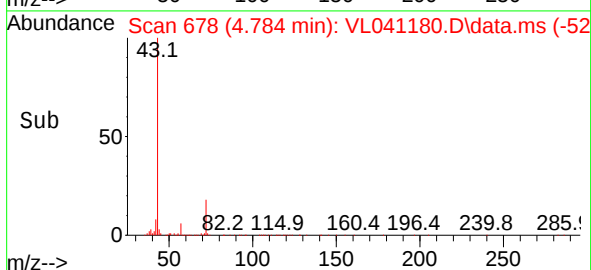
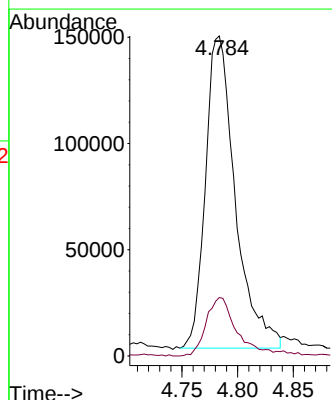
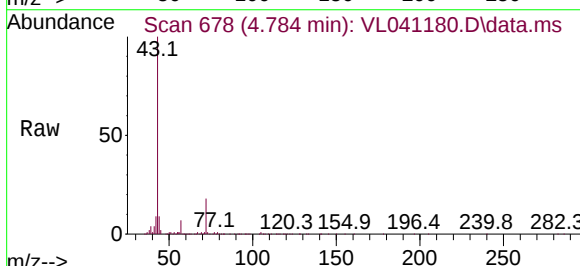
Acq: 29 Apr 2024 12:08

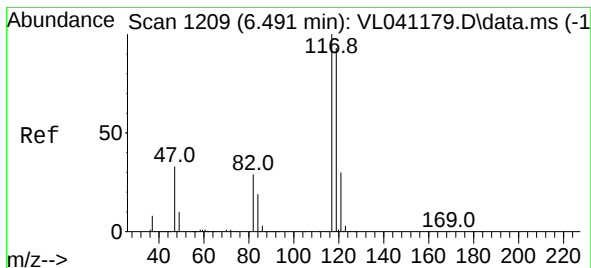
Tgt Ion: 43 Resp: 274037

Ion Ratio Lower Upper

43 100

72 19.9 17.3 25.9





#35

Carbon Tetrachloride

Concen: 2.051 ppbv

RT: 6.488 min Scan# 1169

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

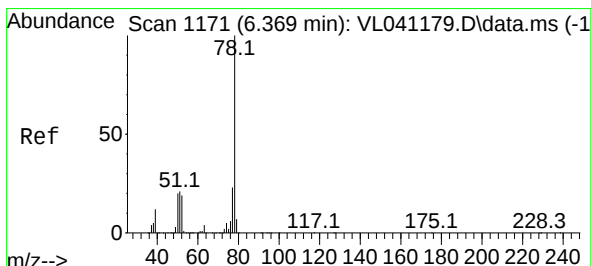
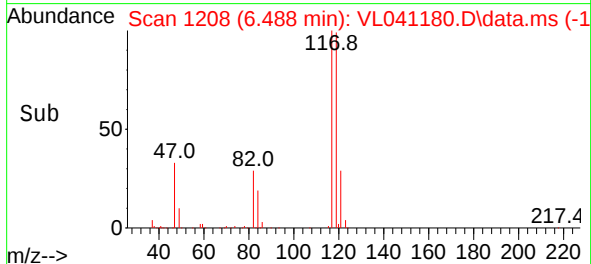
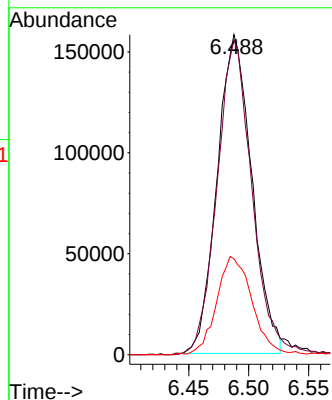
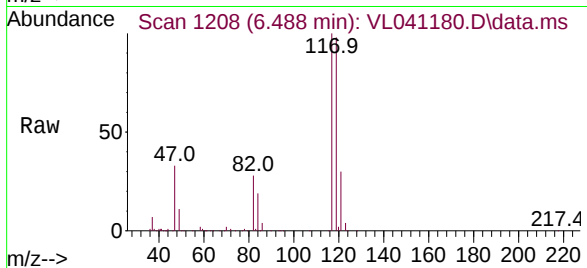
Tgt Ion:117 Resp: 316751

Ion Ratio Lower Upper

117 100

119 98.6 74.3 111.5

121 29.6 23.8 35.8



#36

Benzene

Concen: 2.087 ppbv

RT: 6.362 min Scan# 1169

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

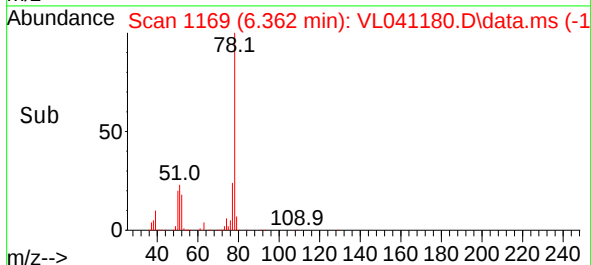
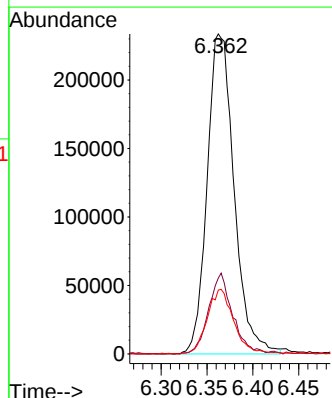
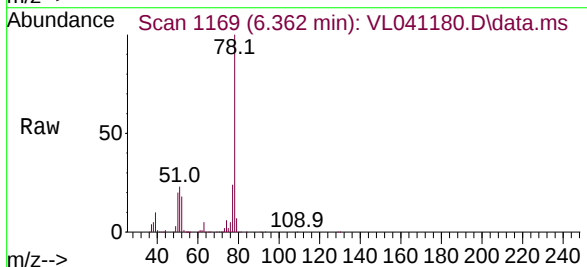
Tgt Ion: 78 Resp: 477811

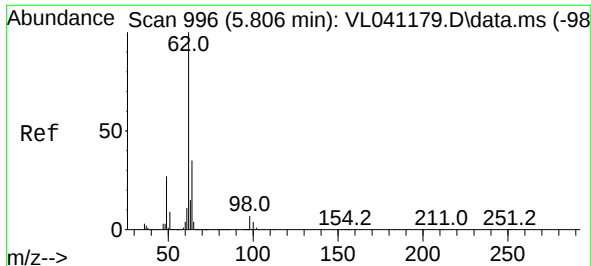
Ion Ratio Lower Upper

78 100

77 23.6 18.3 27.5

50 19.9 15.9 23.9





#37

1,2-Dichloroethane

Concen: 2.074 ppbv

RT: 5.800 min Scan# 996

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

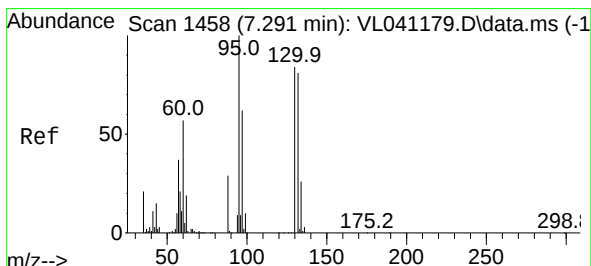
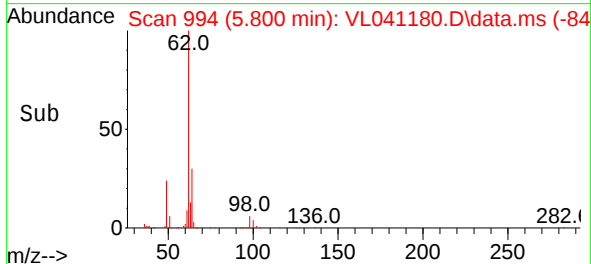
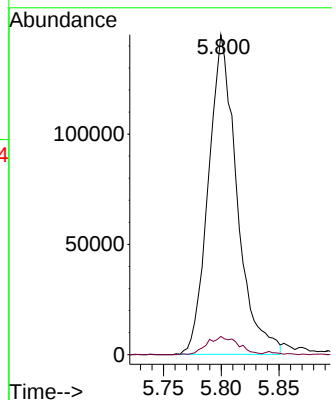
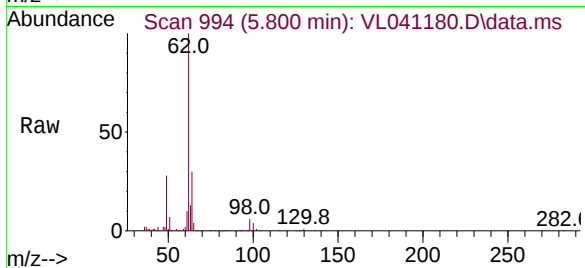
VSTDIC002

Tgt Ion: 62 Resp: 248464

Ion Ratio Lower Upper

62 100

98 6.8 5.0 7.4



#38

Trichloroethene

Concen: 1.985 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion:130 Resp: 171574

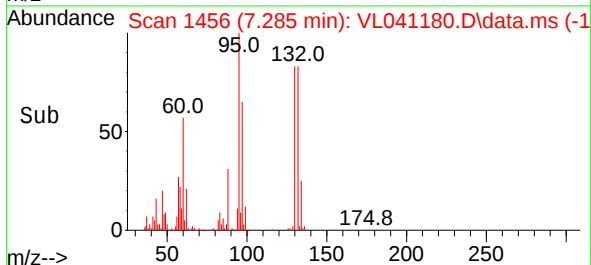
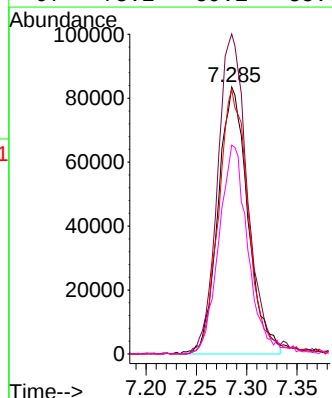
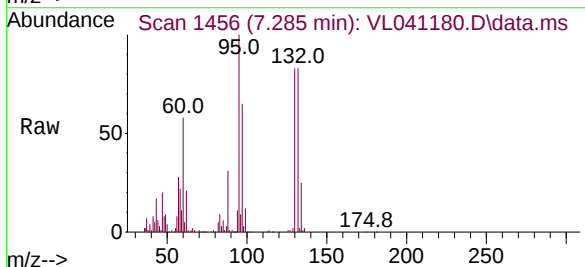
Ion Ratio Lower Upper

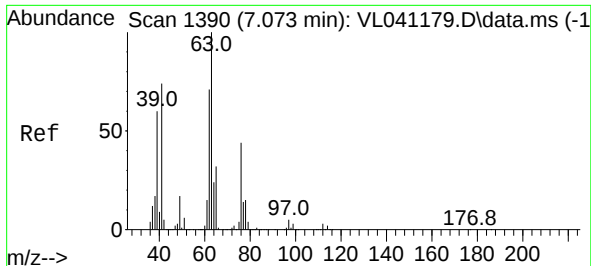
130 100

95 119.9 95.0 142.6

132 99.2 77.0 115.4

97 78.2 59.1 88.7





#39

1,2-Dichloropropane

Concen: 2.074 ppbv

RT: 7.066 min Scan# 1388

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

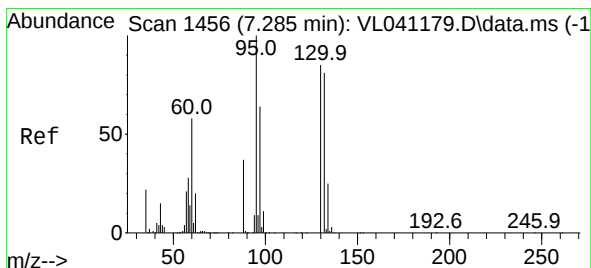
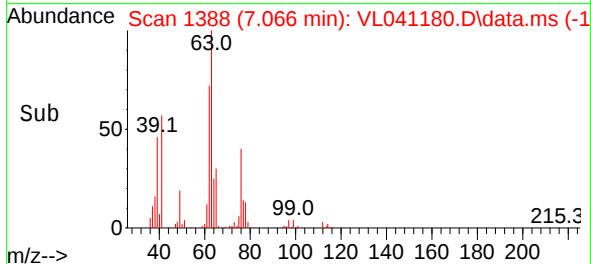
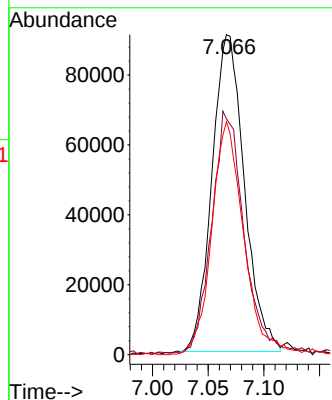
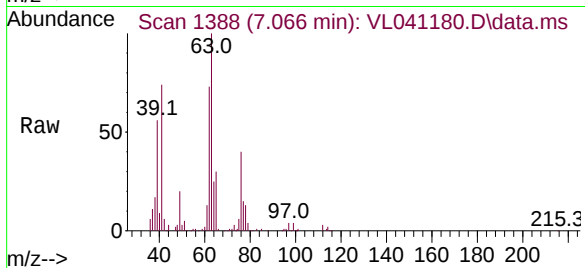
Tgt Ion: 63 Resp: 183483

Ion Ratio Lower Upper

63 100

41 73.9 59.4 89.0

62 73.1 56.8 85.2



#40

1,4-Dioxane

Concen: 1.176 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. 0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion: 88 Resp: 37149

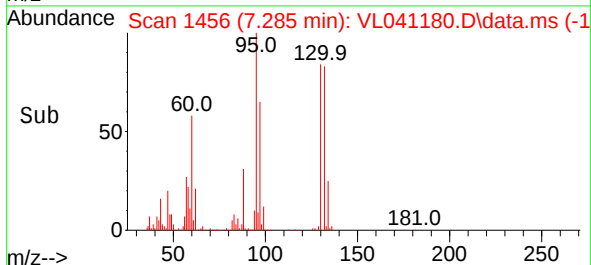
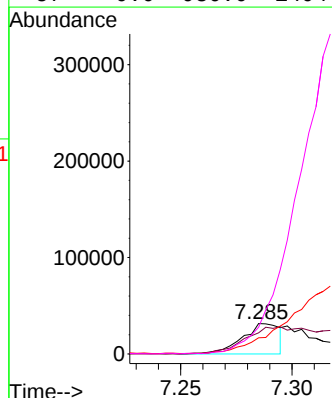
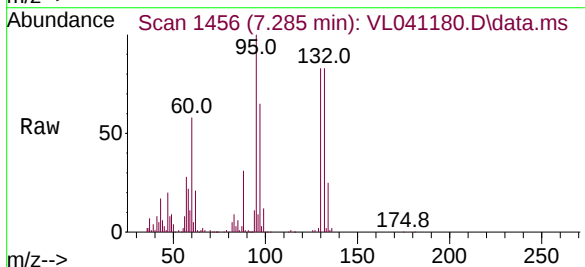
Ion Ratio Lower Upper

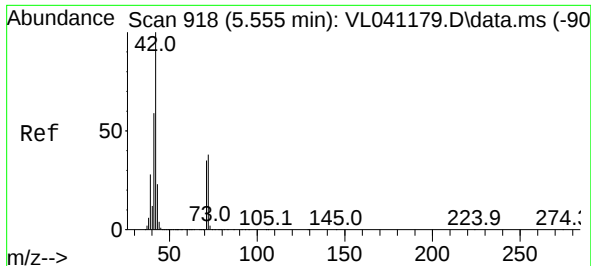
88 100

58 0.0 106.1 159.1#

43 0.0 219.8 329.6#

57 0.0 936.0 1404.0#





#41

Tetrahydrofuran

Concen: 2.078 ppbv

RT: 5.558 min Scan# 918

Delta R.T. 0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

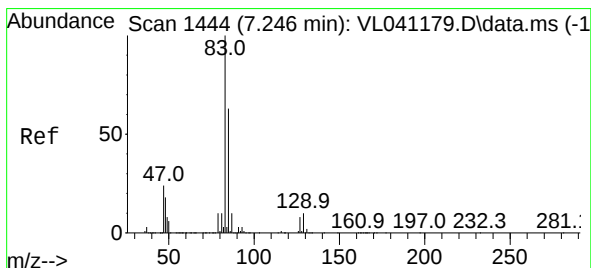
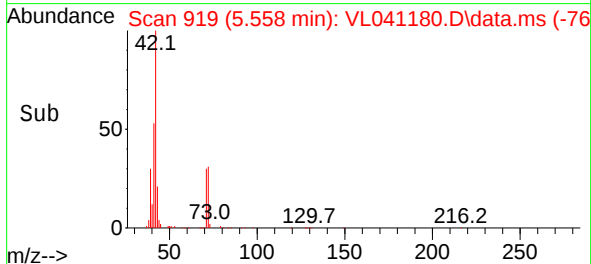
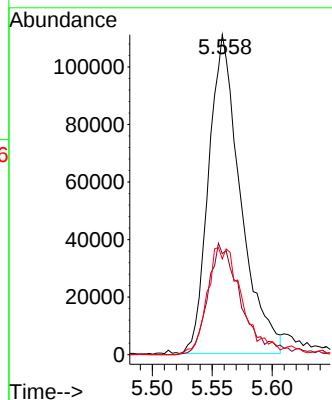
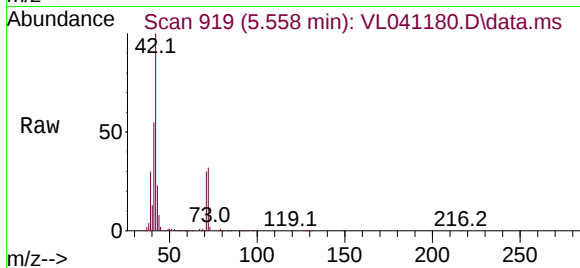
Tgt Ion: 42 Resp: 204565

Ion Ratio Lower Upper

42 100

72 37.8 29.4 44.0

71 39.2 29.1 43.7



#42

Bromodichloromethane

Concen: 2.077 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

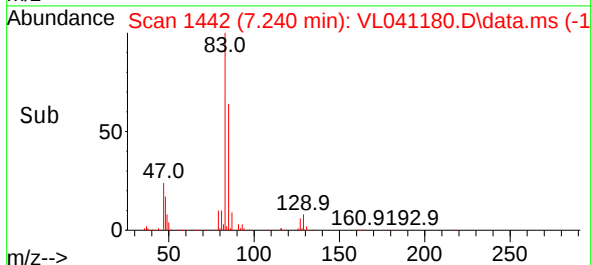
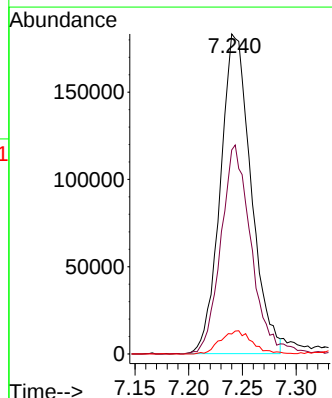
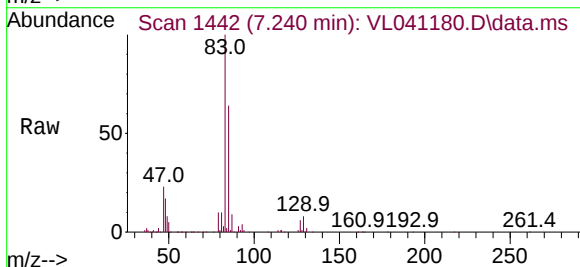
Tgt Ion: 83 Resp: 363205

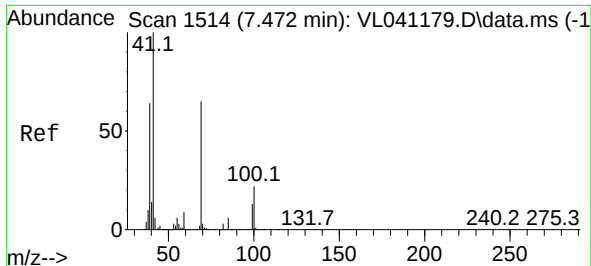
Ion Ratio Lower Upper

83 100

85 63.8 50.6 75.8

127 6.2 6.2 9.4





#43

Methyl Methacrylate

Concen: 1.101 ppbv

RT: 7.468 min Scan# 1513

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

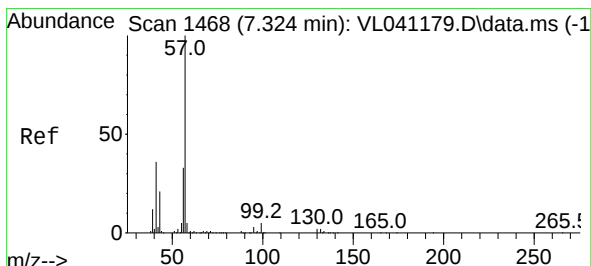
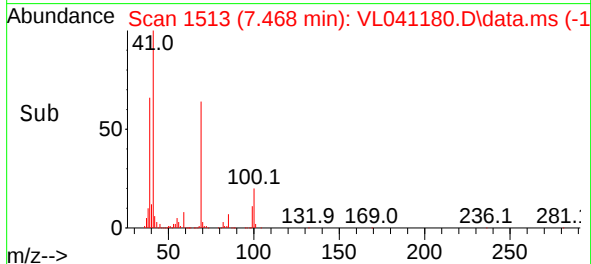
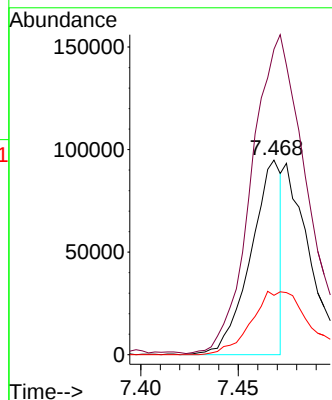
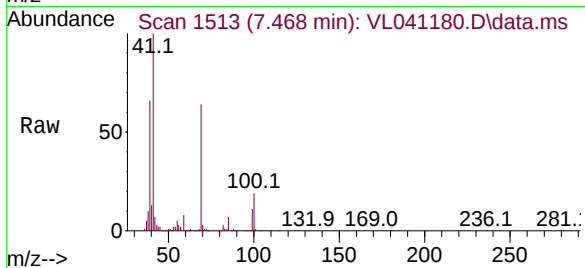
Tgt Ion: 69 Resp: 103443

Ion Ratio Lower Upper

69 100

41 304.8 125.2 187.8#

100 63.3 26.7 40.1#



#44

2,2,4-Trimethylpentane

Concen: 2.116 ppbv

RT: 7.324 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

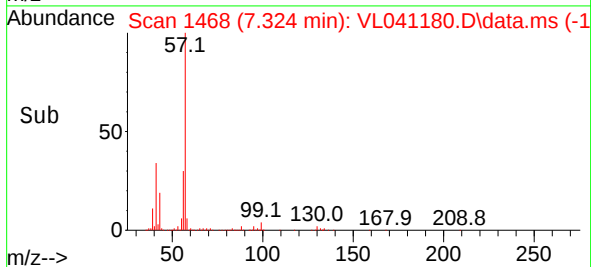
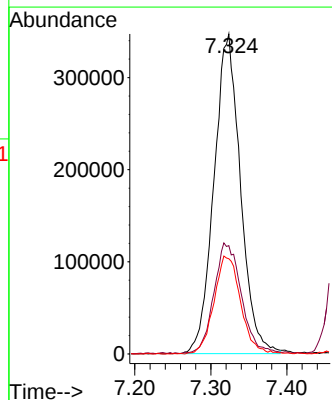
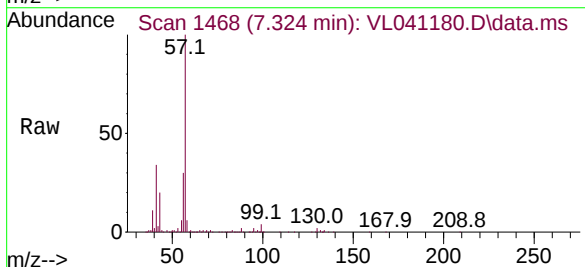
Tgt Ion: 57 Resp: 838853

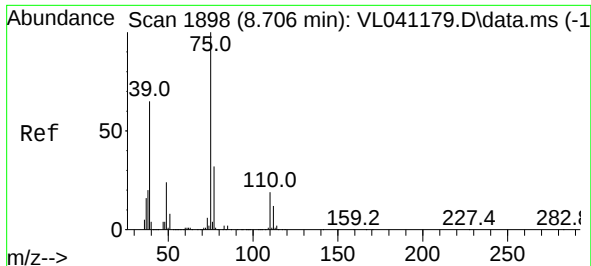
Ion Ratio Lower Upper

57 100

41 36.0 29.5 44.3

56 31.1 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 2.005 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

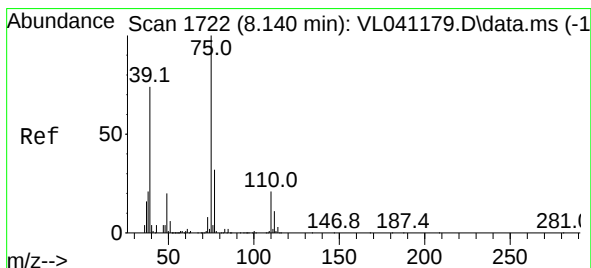
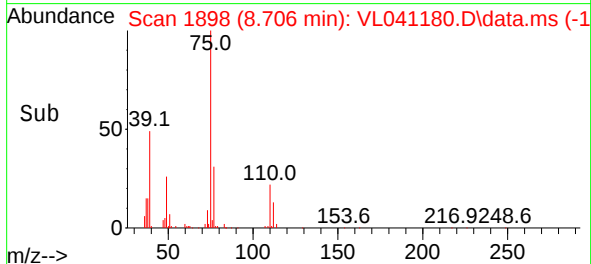
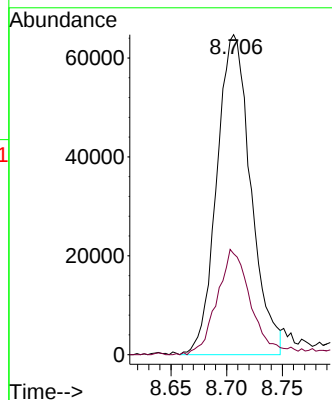
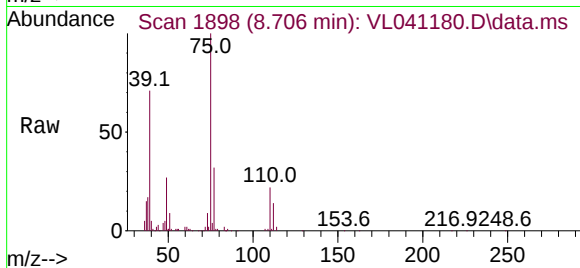
VSTDIC002

Tgt Ion: 75 Resp: 137893

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 2.065 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

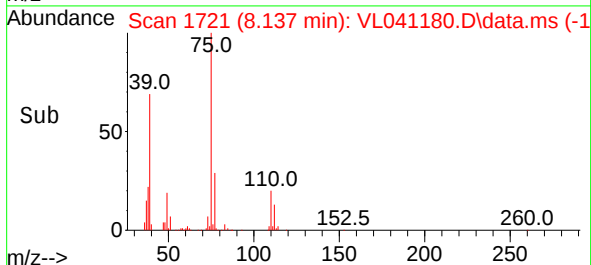
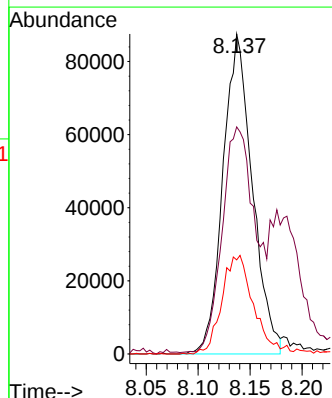
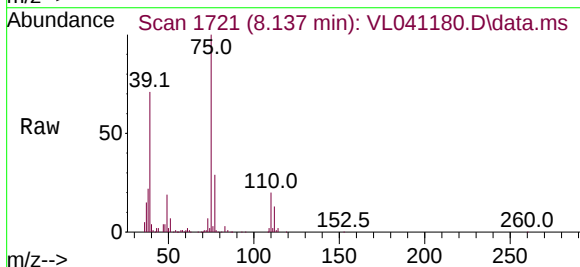
Tgt Ion: 75 Resp: 171920

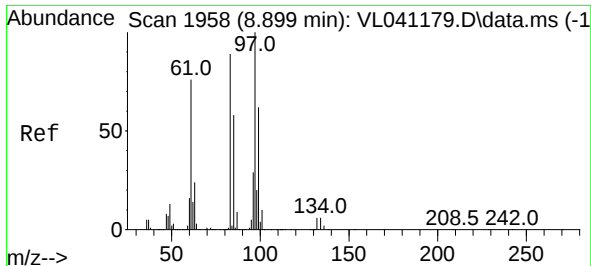
Ion Ratio Lower Upper

75 100

39 70.5 59.4 89.2

77 29.4 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 2.094 ppbv

RT: 8.893 min Scan# 1958

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 184393

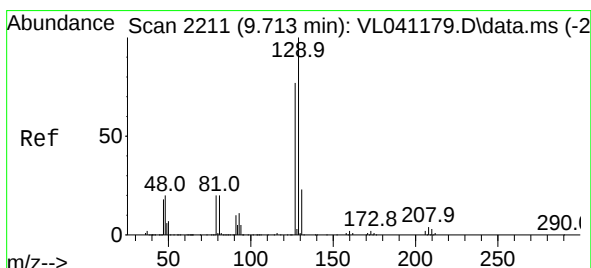
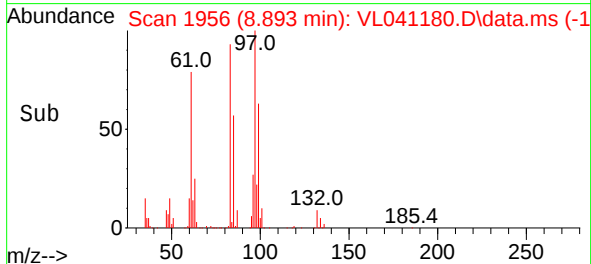
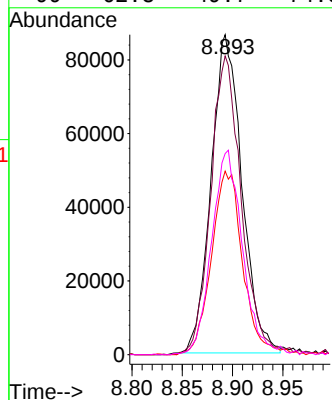
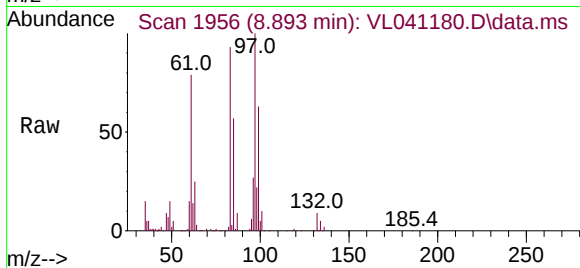
Ion Ratio Lower Upper

97 100

83 93.1 71.2 106.8

85 57.2 46.0 69.0

99 62.8 49.7 74.5



#48

Dibromochloromethane

Concen: 2.119 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.010 min

Lab File: VL041180.D

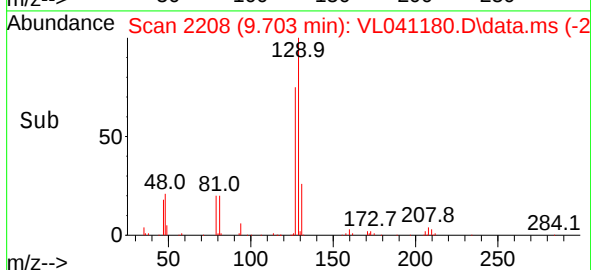
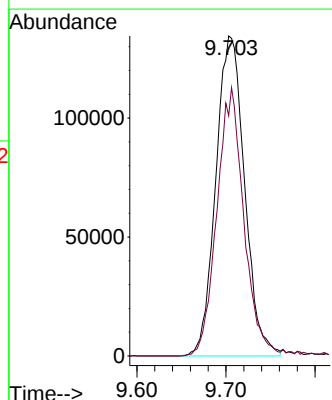
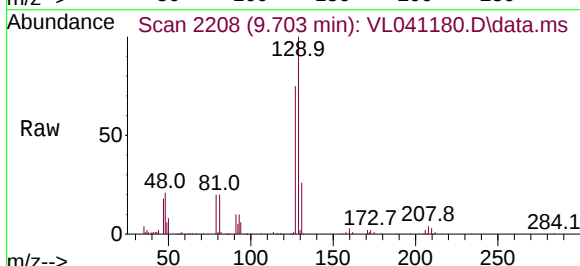
Acq: 29 Apr 2024 12:08

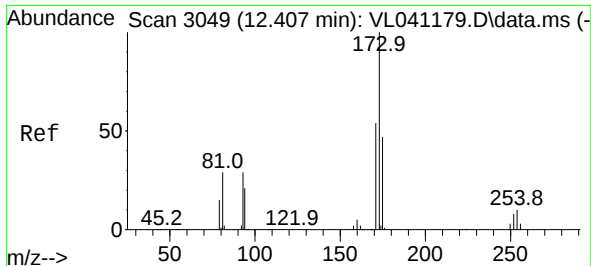
Tgt Ion: 129 Resp: 301881

Ion Ratio Lower Upper

129 100

127 78.7 39.1 117.5





#49

Bromoform

Concen: 2.113 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

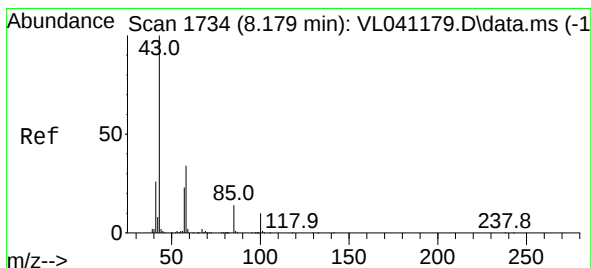
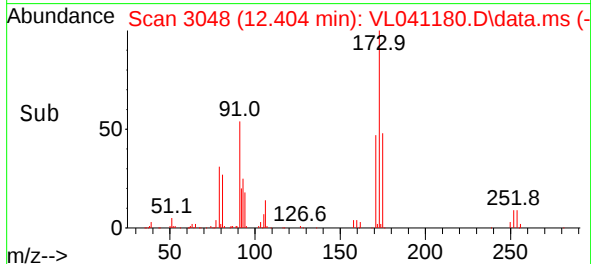
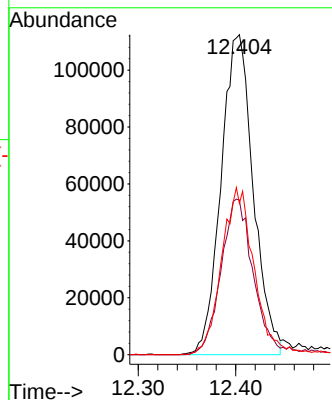
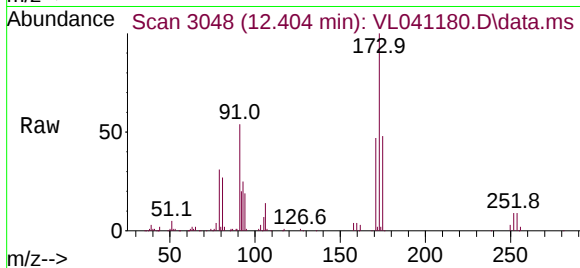
Tgt Ion:173 Resp: 258427

Ion Ratio Lower Upper

173 100

175 50.2 39.8 59.8

171 53.8 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 2.167 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VL041180.D

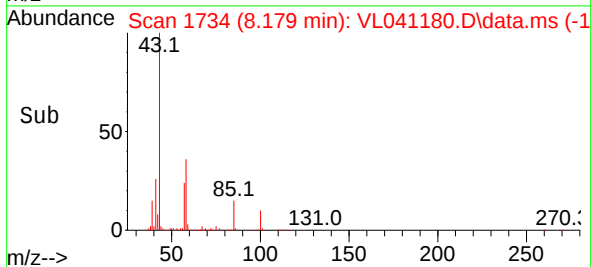
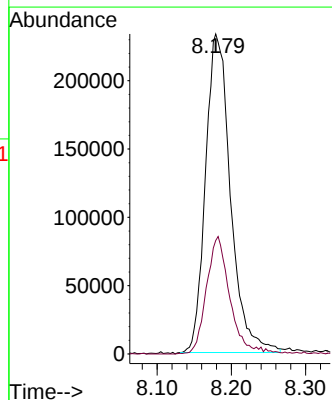
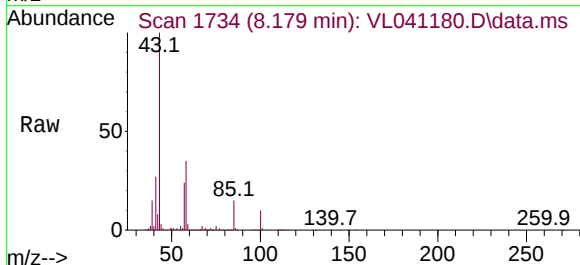
Acq: 29 Apr 2024 12:08

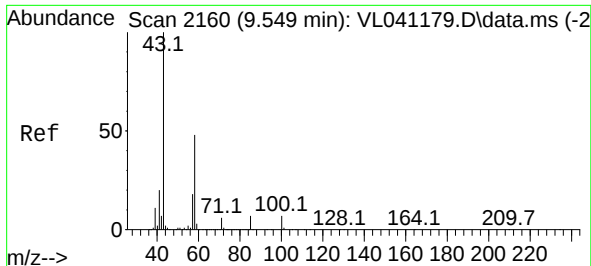
Tgt Ion: 43 Resp: 544700

Ion Ratio Lower Upper

43 100

58 35.0 27.7 41.5

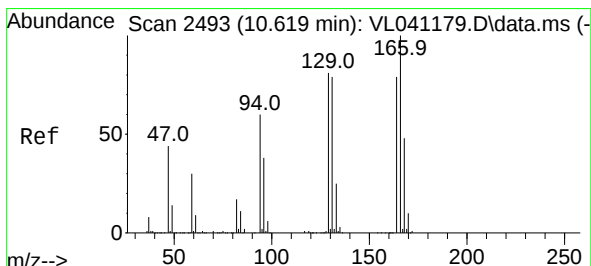
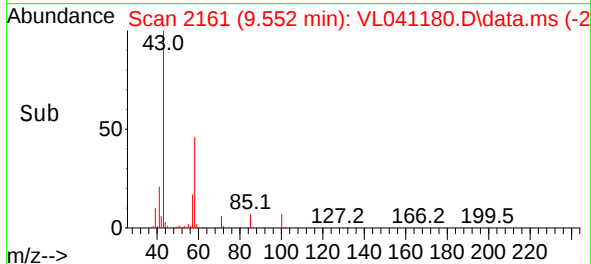
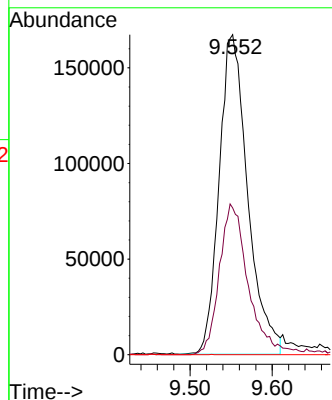
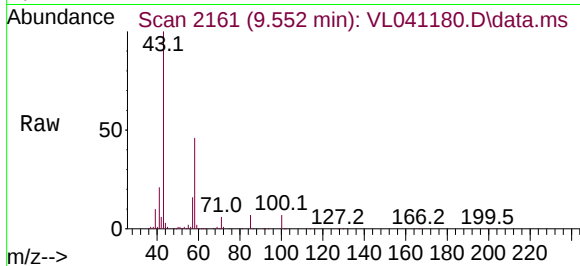




#51
2-Hexanone
Concen: 2.210 ppbv
RT: 9.552 min Scan# 2161
Delta R.T. 0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

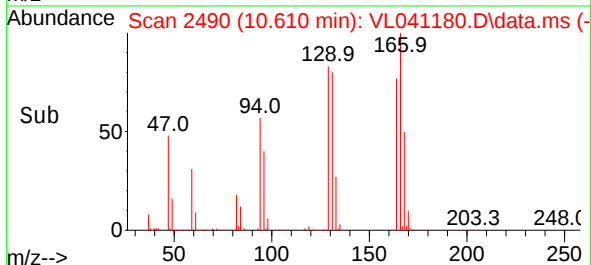
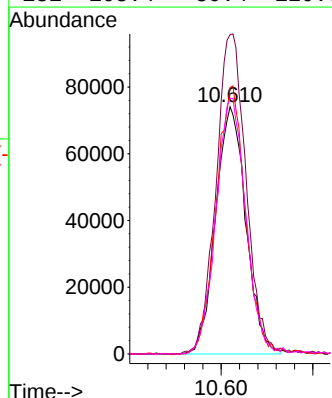
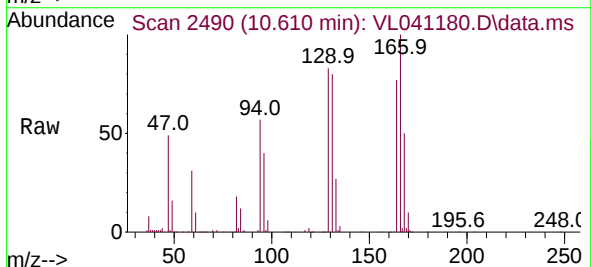
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

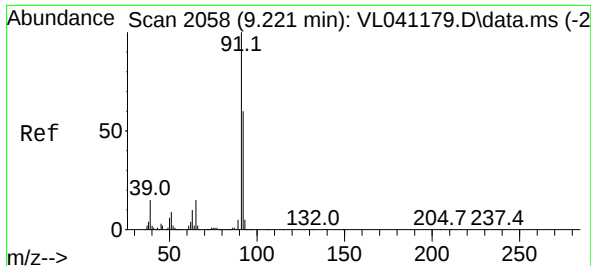
Tgt Ion: 43 Resp: 404415
Ion Ratio Lower Upper
43 100
58 48.9 38.4 57.6
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 2.097 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.010 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:164 Resp: 169148
Ion Ratio Lower Upper
164 100
166 129.2 101.1 151.7
129 107.8 81.7 122.5
131 103.4 80.4 120.6





#53

Toluene

Concen: 2.118 ppbv

RT: 9.214 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

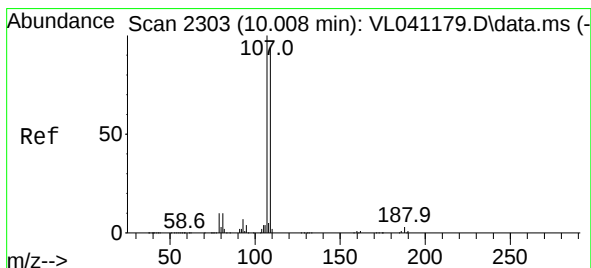
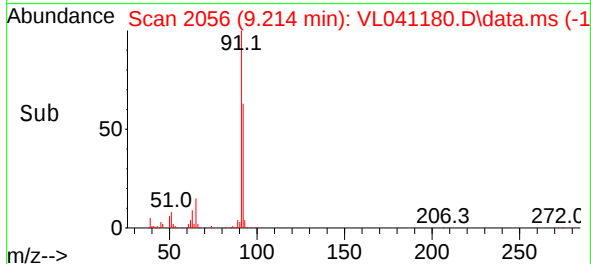
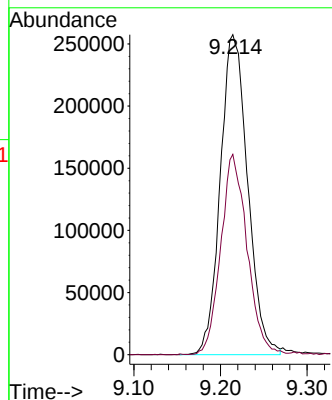
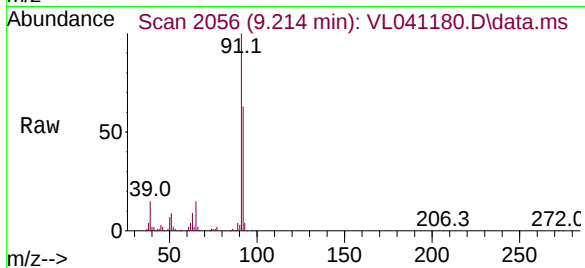
VSTDIC002

Tgt Ion: 91 Resp: 565315

Ion Ratio Lower Upper

91 100

92 61.0 48.2 72.4



#54

1,2-Dibromoethane

Concen: 2.116 ppbv

RT: 10.002 min Scan# 2301

Delta R.T. -0.006 min

Lab File: VL041180.D

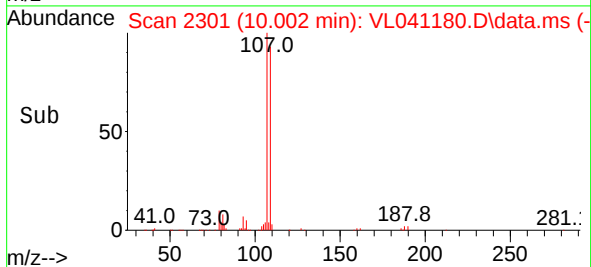
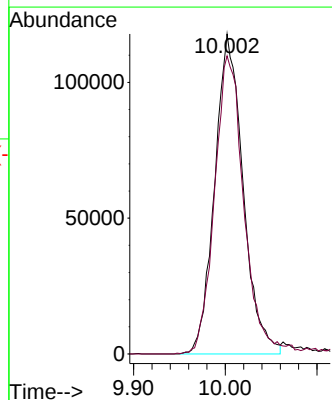
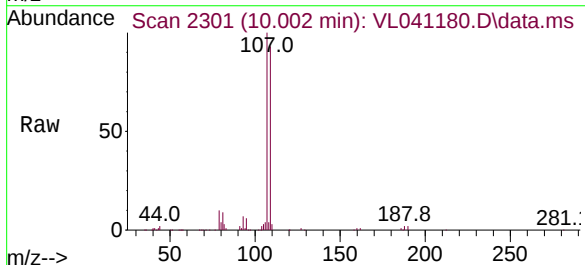
Acq: 29 Apr 2024 12:08

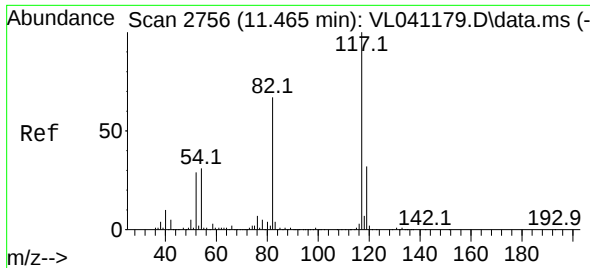
Tgt Ion: 107 Resp: 253281

Ion Ratio Lower Upper

107 100

109 93.0 75.2 112.8

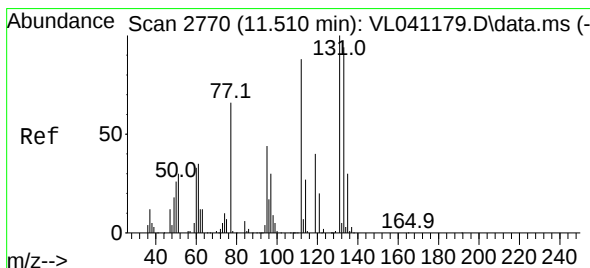
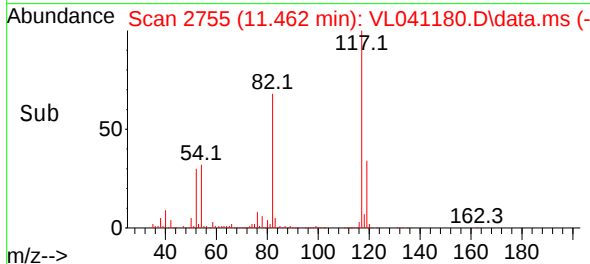
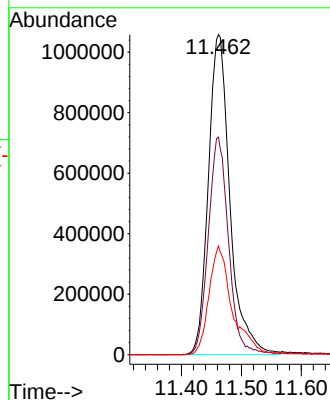
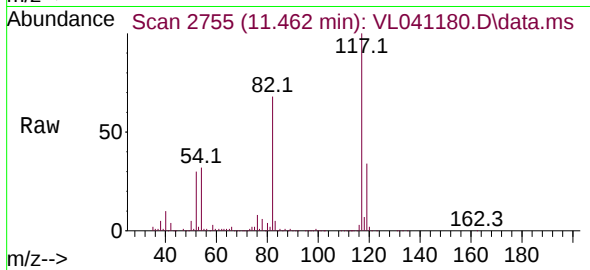




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

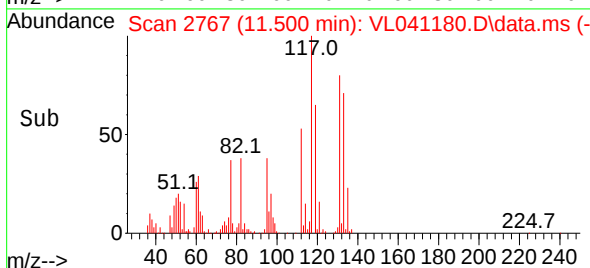
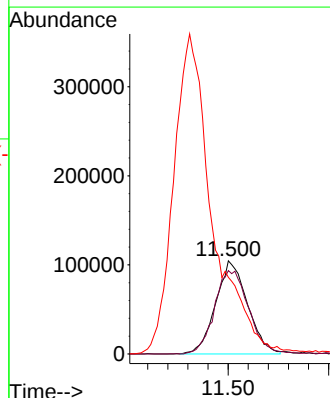
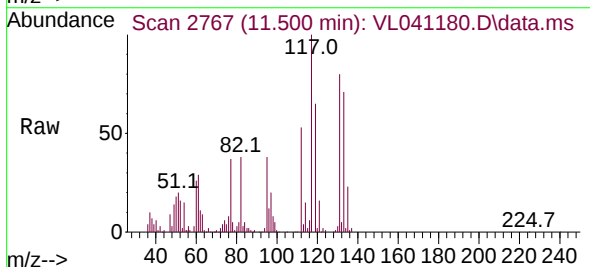
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

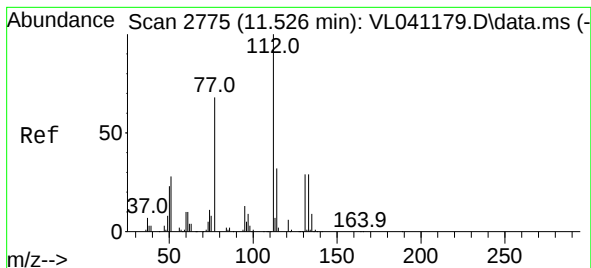
Tgt Ion:117 Resp: 2647074
Ion Ratio Lower Upper
117 100
82 64.7 53.6 80.4
119 36.7 27.2 40.8



#56
1,1,1,2-Tetrachloroethane
Concen: 2.087 ppbv
RT: 11.500 min Scan# 2767
Delta R.T. -0.010 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:131 Resp: 228733
Ion Ratio Lower Upper
131 100
133 97.1 76.3 114.5
119 425.0 49.4 74.2#





#57

Chlorobenzene

Concen: 2.102 ppbv

RT: 11.520 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

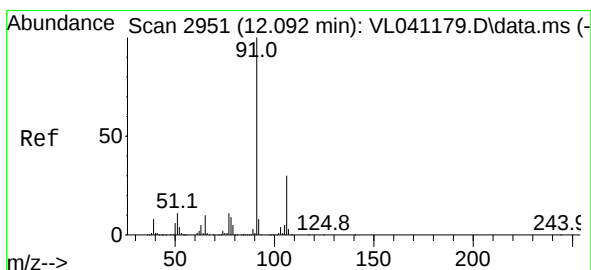
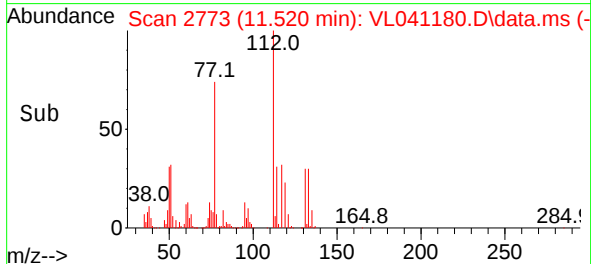
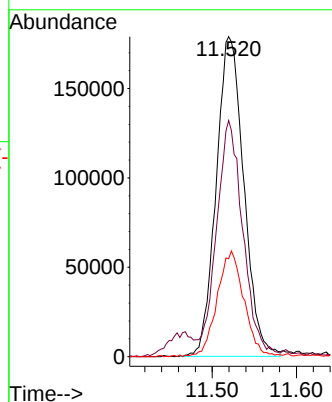
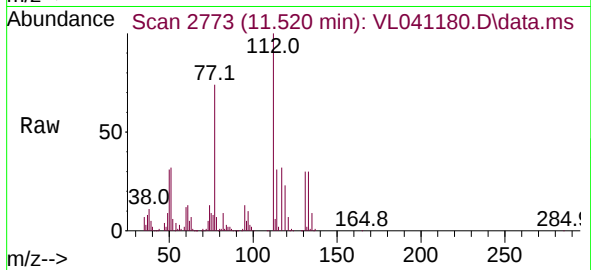
Tgt Ion:112 Resp: 406860

Ion Ratio Lower Upper

112 100

77 72.7 54.9 82.3

114 30.2 28.7 35.1



#58

Ethyl Benzene

Concen: 2.088 ppbv

RT: 12.082 min Scan# 2948

Delta R.T. -0.010 min

Lab File: VL041180.D

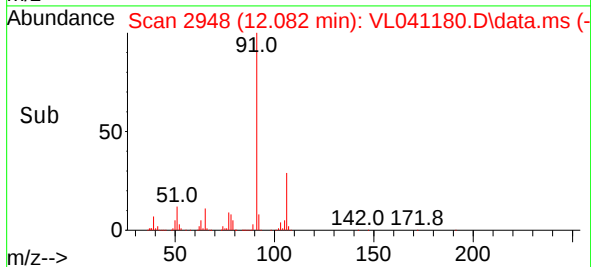
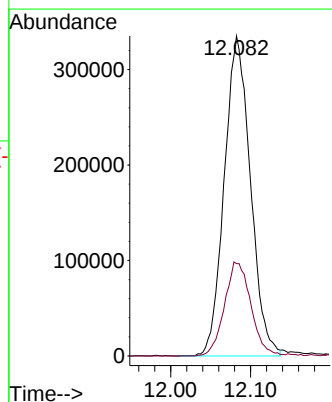
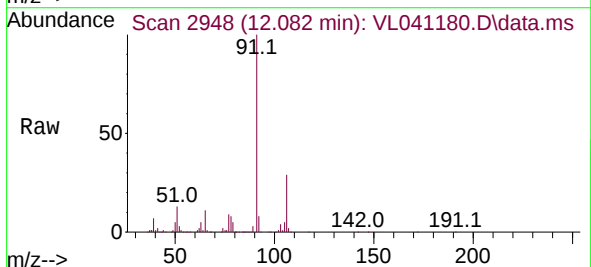
Acq: 29 Apr 2024 12:08

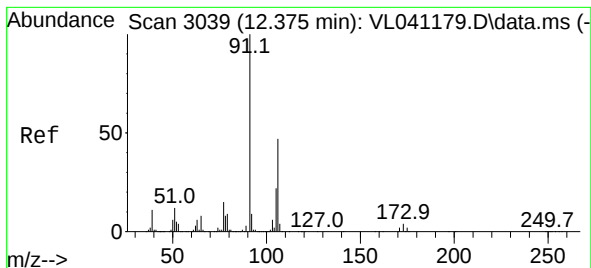
Tgt Ion: 91 Resp: 761110

Ion Ratio Lower Upper

91 100

106 28.8 24.3 36.5





#59

m/p-Xylene

Concen: 2.181 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

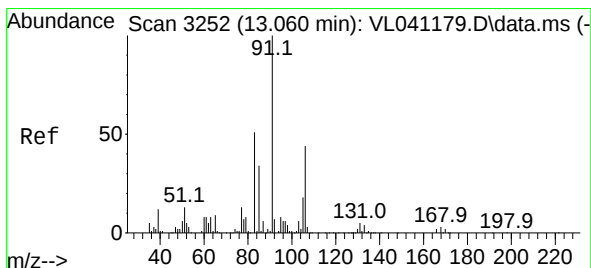
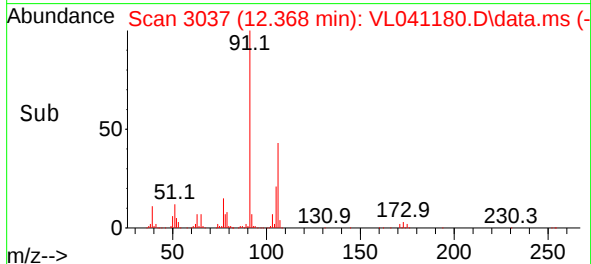
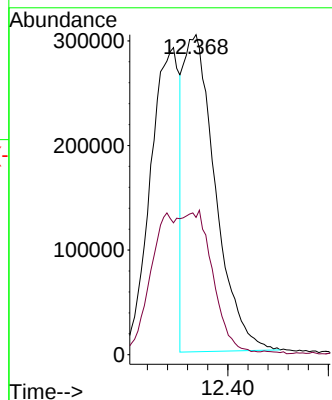
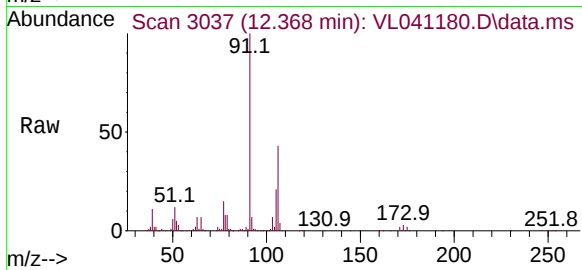
VSTDIC002

Tgt Ion: 91 Resp: 667422

Ion Ratio Lower Upper

91 100

106 83.7 35.7 53.5#



#60

o-Xylene

Concen: 2.067 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.006 min

Lab File: VL041180.D

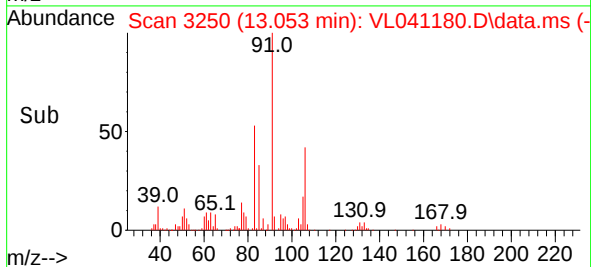
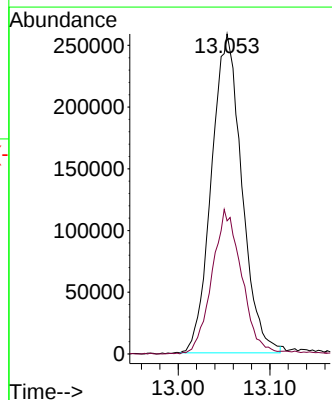
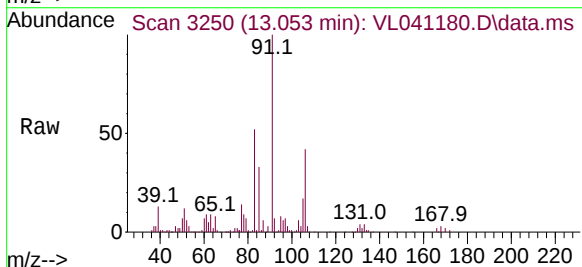
Acq: 29 Apr 2024 12:08

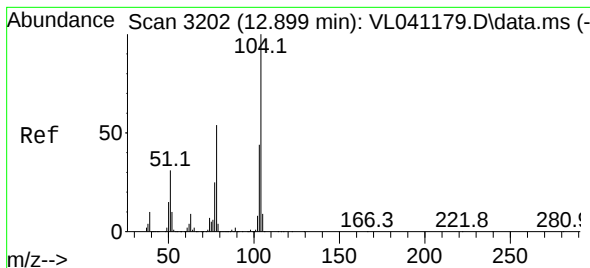
Tgt Ion: 91 Resp: 593818

Ion Ratio Lower Upper

91 100

106 44.9 22.4 67.3





#61

Styrene

Concen: 2.058 ppbv

RT: 12.889 min Scan# 3199

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

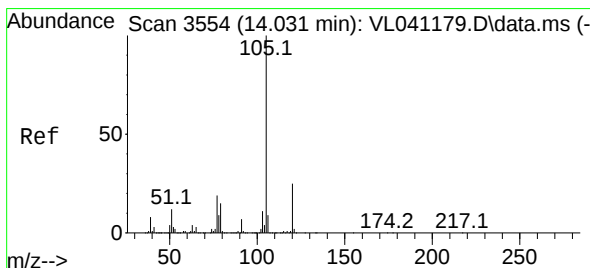
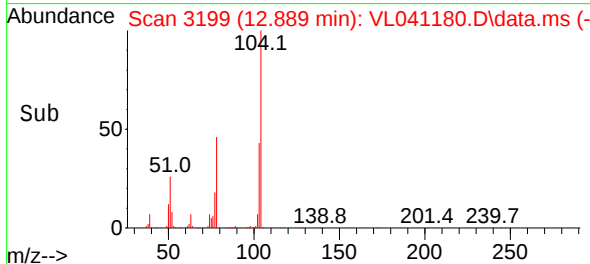
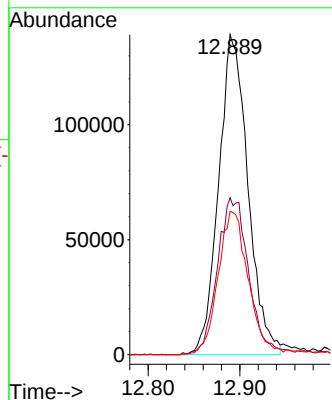
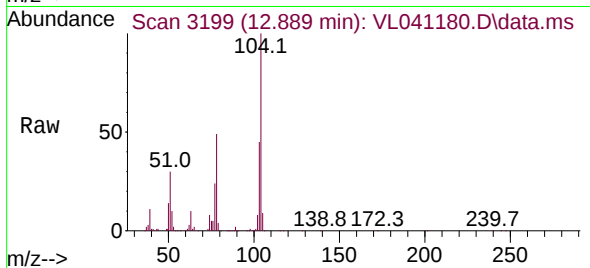
Tgt Ion:104 Resp: 308755

Ion Ratio Lower Upper

104 100

78 53.0 42.6 63.8

103 47.3 38.4 57.6



#62

Isopropylbenzene

Concen: 2.097 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.006 min

Lab File: VL041180.D

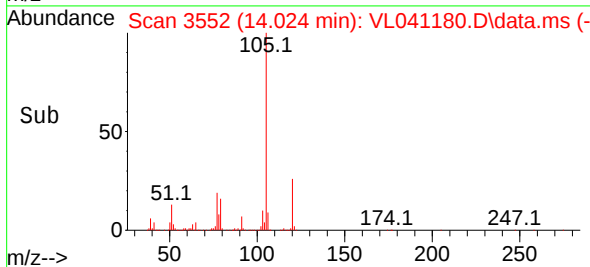
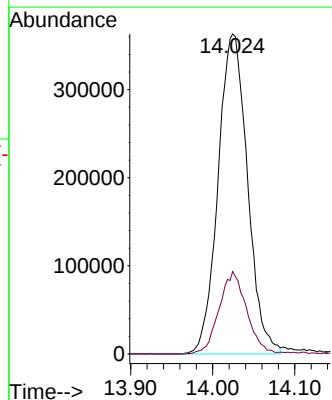
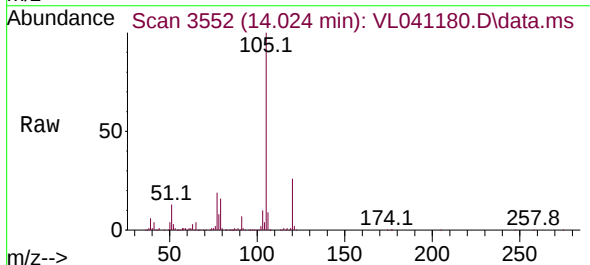
Acq: 29 Apr 2024 12:08

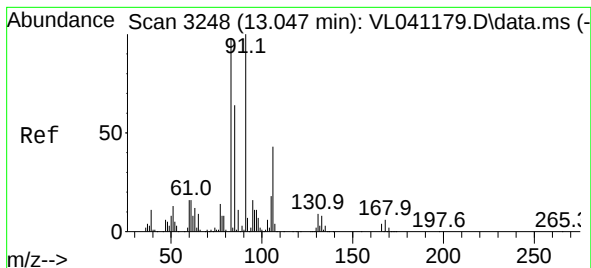
Tgt Ion:105 Resp: 904946

Ion Ratio Lower Upper

105 100

120 24.7 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 2.138 ppbv

RT: 13.040 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

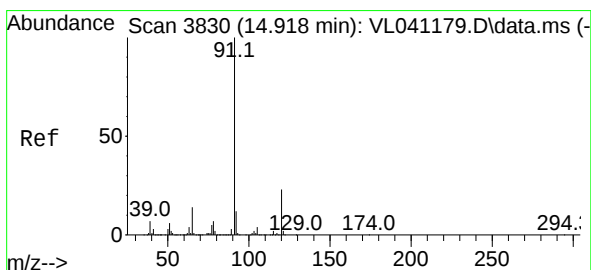
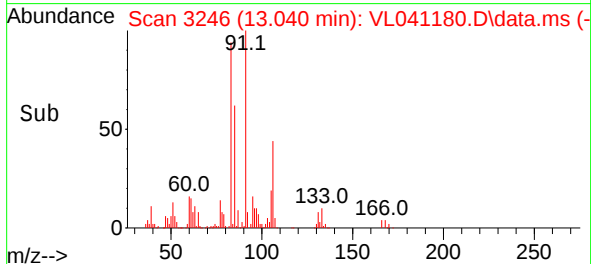
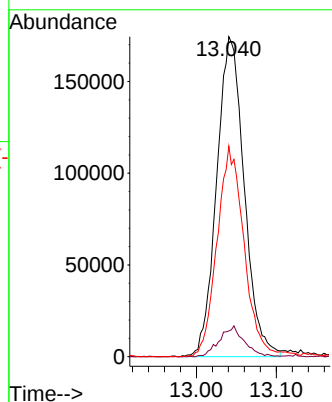
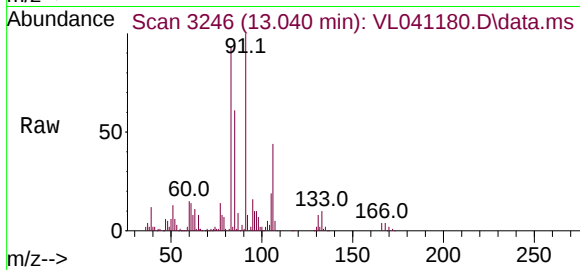
Tgt Ion: 83 Resp: 417149

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.5

85 65.6 32.7 98.1



#64

n-propylbenzene

Concen: 2.086 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. -0.006 min

Lab File: VL041180.D

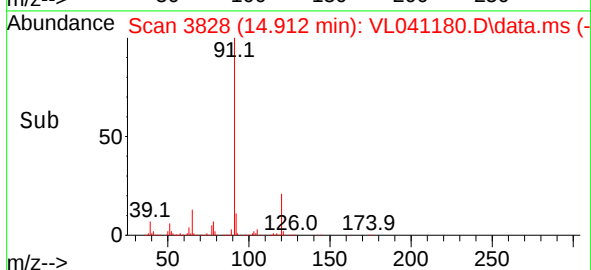
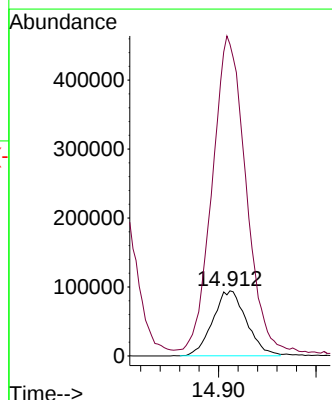
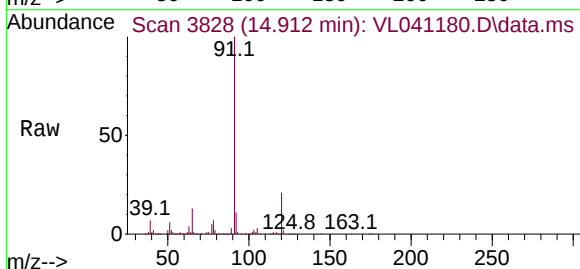
Acq: 29 Apr 2024 12:08

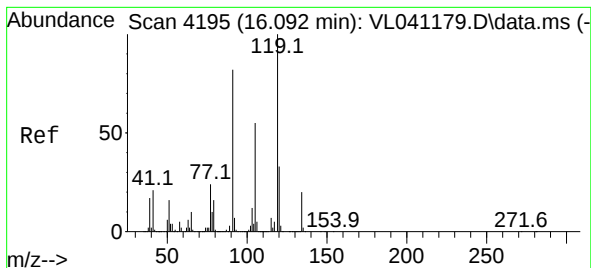
Tgt Ion:120 Resp: 225658

Ion Ratio Lower Upper

120 100

91 508.5 384.8 577.2





#65

tert-Butylbenzene

Concen: 2.135 ppbv

RT: 16.082 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

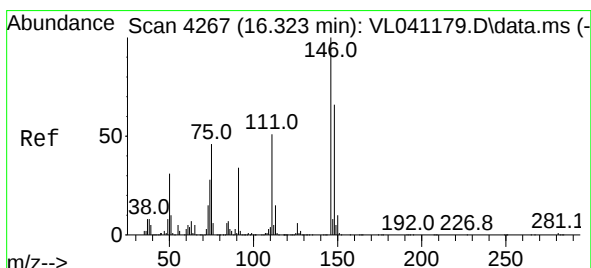
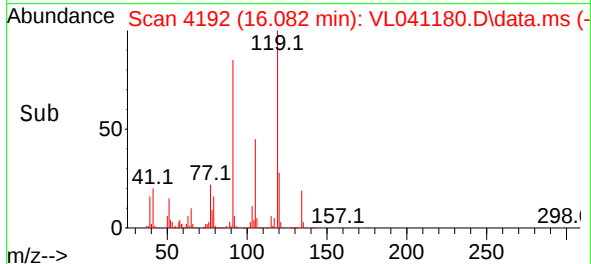
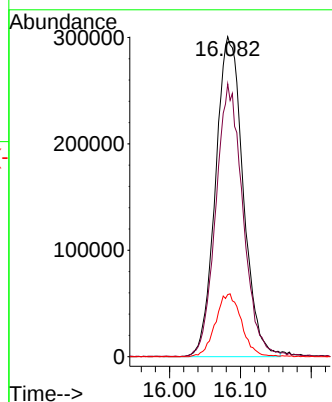
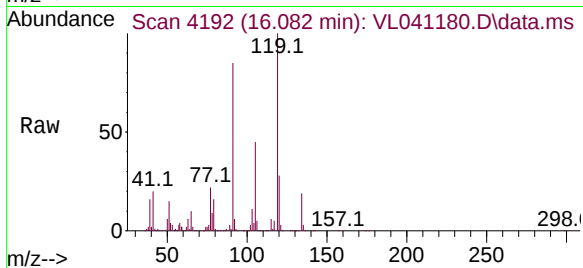
Tgt Ion:119 Resp: 814409

Ion Ratio Lower Upper

119 100

91 83.8 67.0 100.4

134 18.6 15.2 22.8



#66

Benzyl Chloride

Concen: 0.761 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. 0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

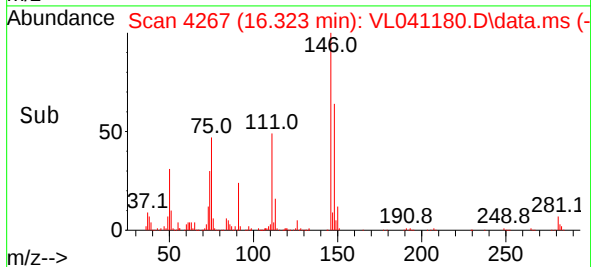
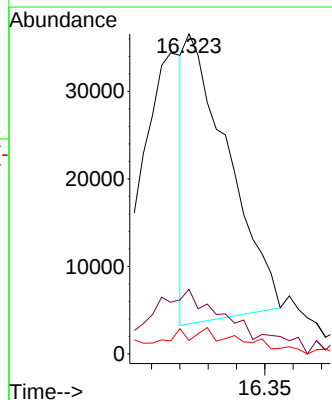
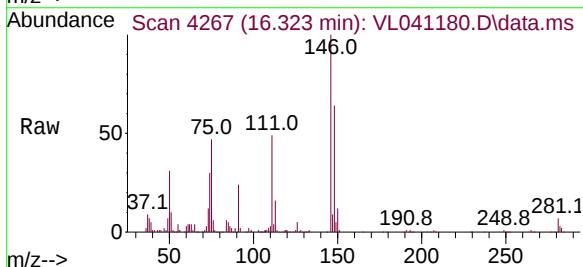
Tgt Ion: 91 Resp: 34531

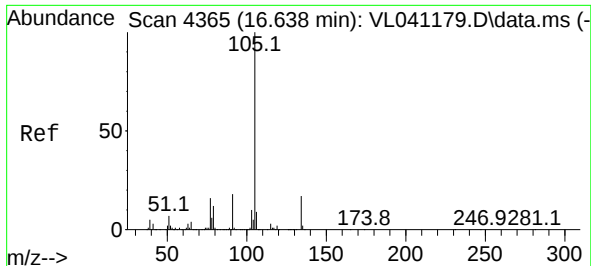
Ion Ratio Lower Upper

91 100

126 52.3 14.6 21.8#

128 19.2 4.7 7.1#





#67

sec-Butylbenzene

Concen: 2.133 ppbv

RT: 16.629 min Scan# 4365

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

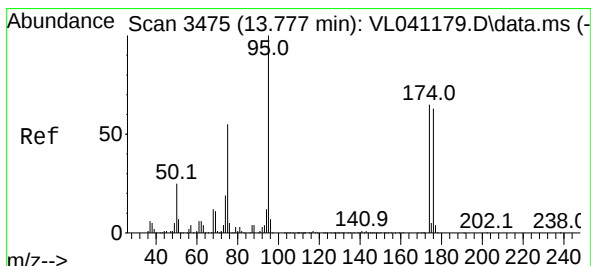
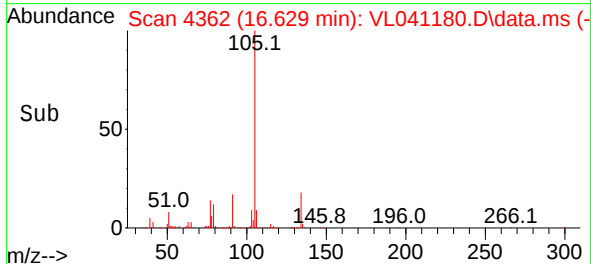
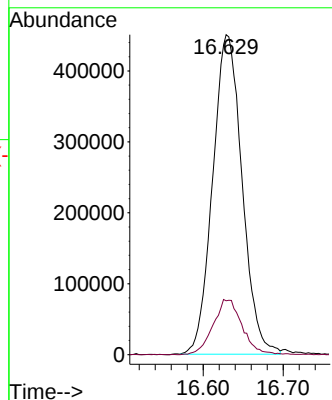
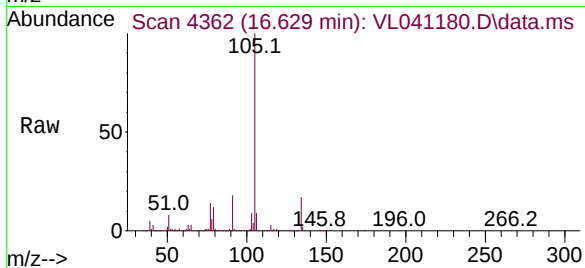
VSTDIC002

Tgt Ion:105 Resp: 1150769

Ion Ratio Lower Upper

105 100

134 17.1 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.797 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

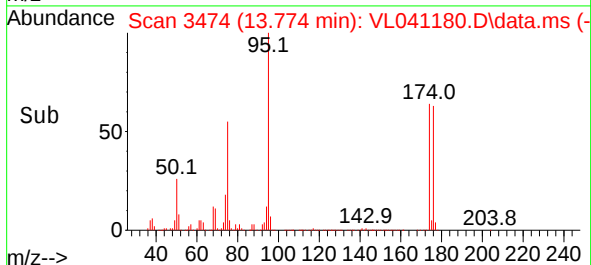
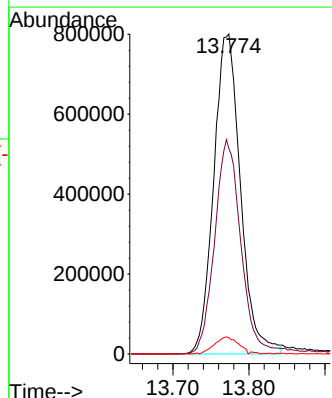
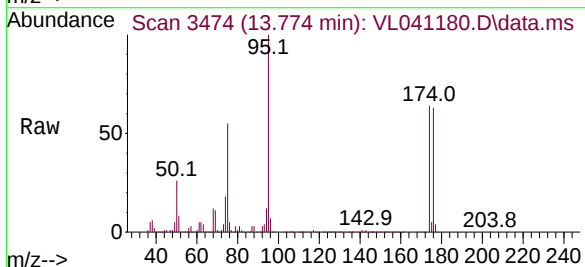
Tgt Ion: 95 Resp: 1958570

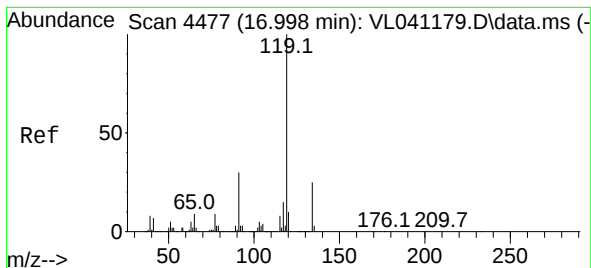
Ion Ratio Lower Upper

95 100

174 67.6 53.6 80.4

175 4.9 4.2 6.4





#69

p-Isopropyltoluene

Concen: 2.139 ppbv

RT: 16.989 min Scan# 4474

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

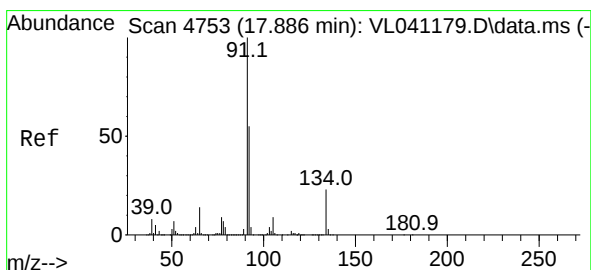
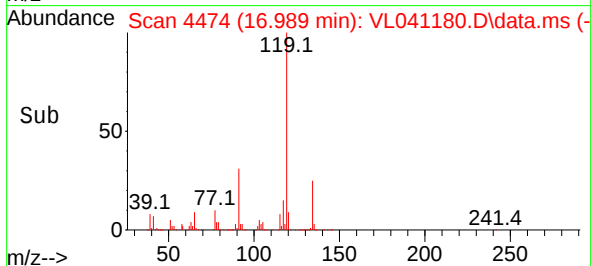
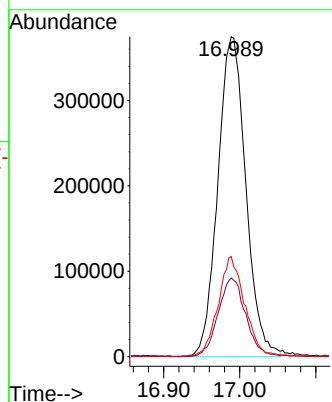
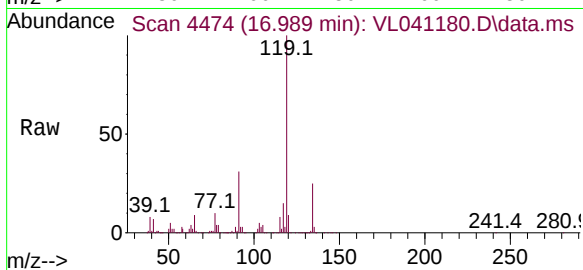
Tgt Ion:119 Resp: 956636

Ion Ratio Lower Upper

119 100

134 24.1 20.1 30.1

91 29.5 24.2 36.2



#70

n-Butylbenzene

Concen: 2.160 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

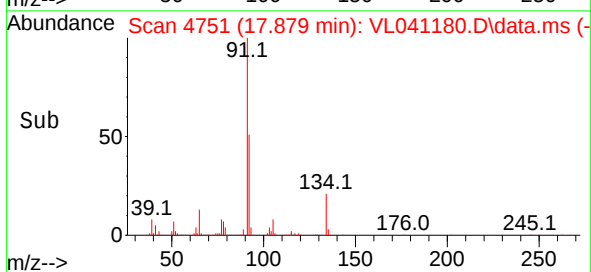
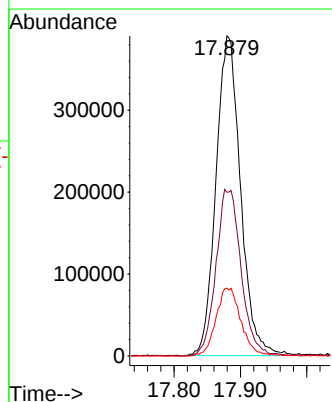
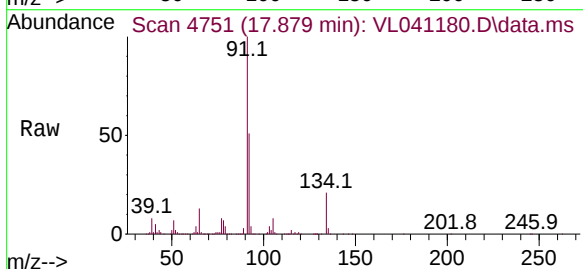
Tgt Ion: 91 Resp: 1003678

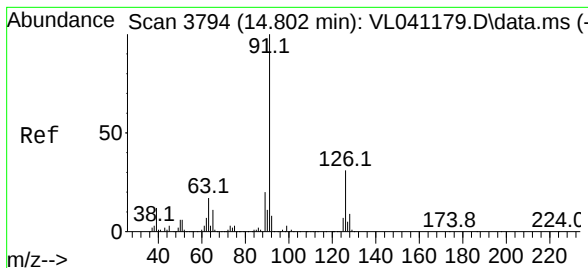
Ion Ratio Lower Upper

91 100

92 53.4 43.3 64.9

134 21.7 17.8 26.8

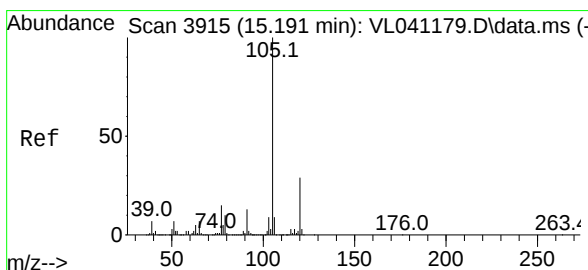
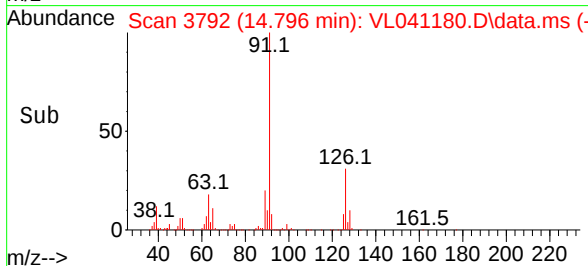
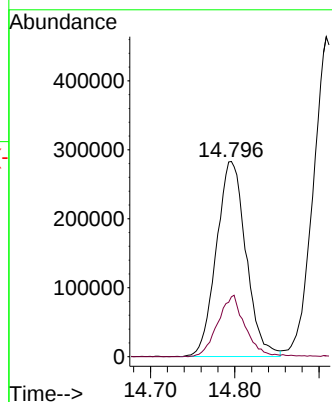
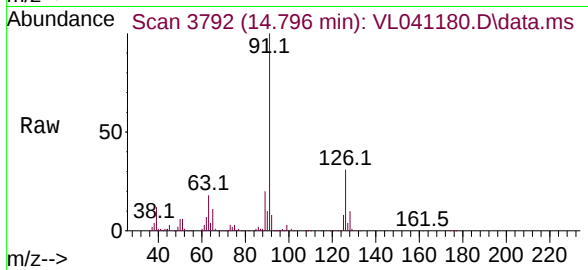




#71
2-Chlorotoluene
Concen: 2.092 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

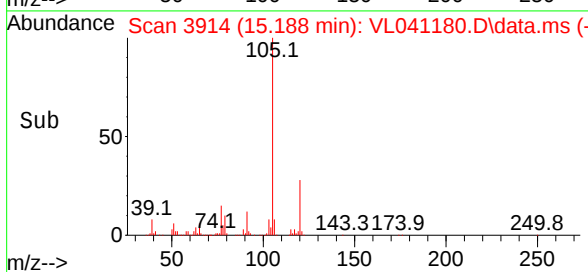
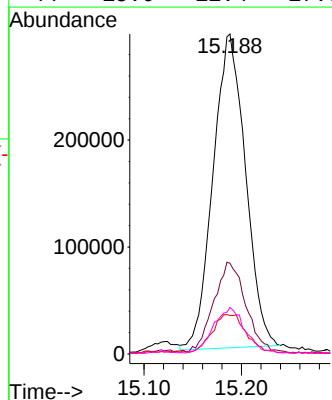
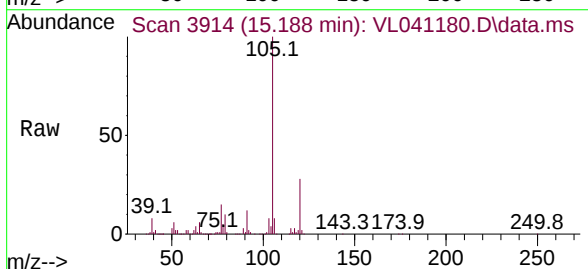
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

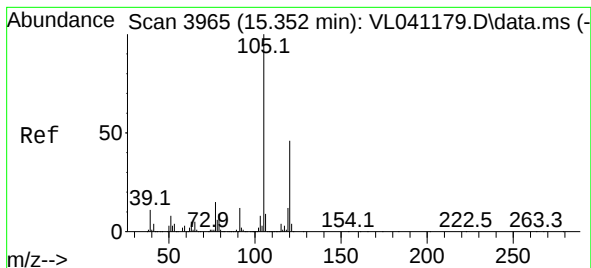
Tgt Ion: 91 Resp: 689763
Ion Ratio Lower Upper
91 100
126 29.3 12.2 48.8



#72
4-Ethyltoluene
Concen: 2.067 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041180.D
Acq: 29 Apr 2024 12:08

Tgt Ion:105 Resp: 677435
Ion Ratio Lower Upper
105 100
120 31.5 24.7 37.1
91 14.5 10.3 15.5
77 15.0 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 2.076 ppbv

RT: 15.346 min Scan# 3965

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

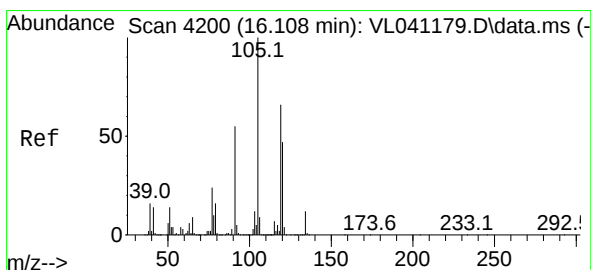
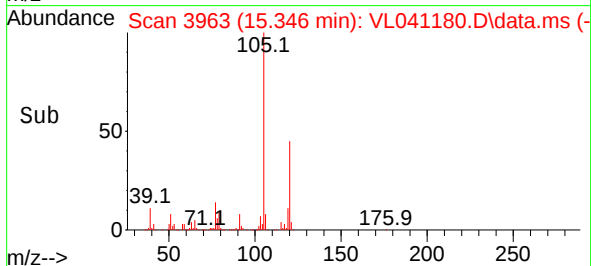
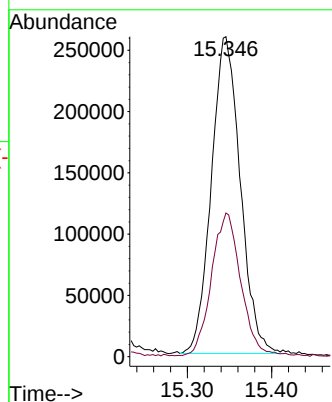
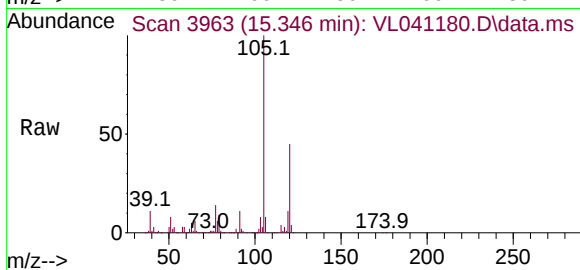
VSTDIC002

Tgt Ion:105 Resp: 616820

Ion Ratio Lower Upper

105 100

120 44.9 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 2.138 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Tgt Ion:105 Resp: 691367

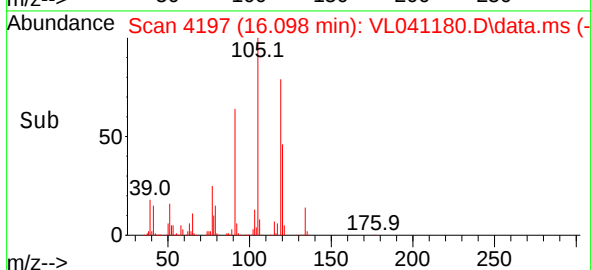
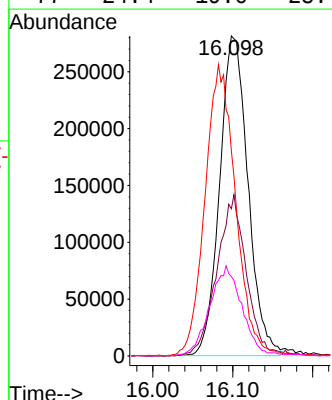
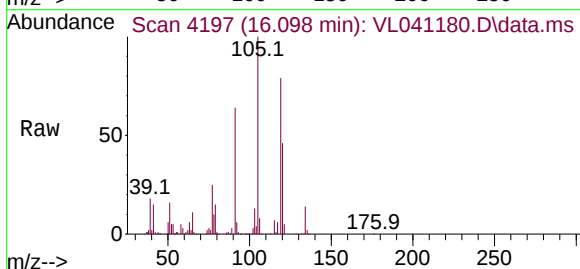
Ion Ratio Lower Upper

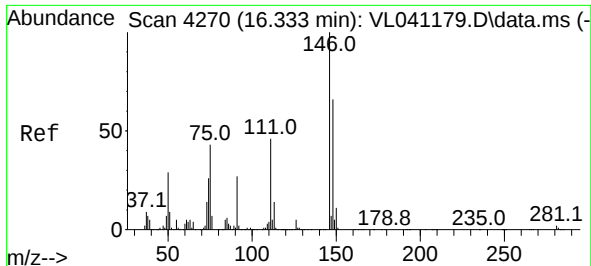
105 100

120 45.8 37.8 56.6

91 62.7 44.3 66.5

77 24.4 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 2.134 ppbv

RT: 16.326 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

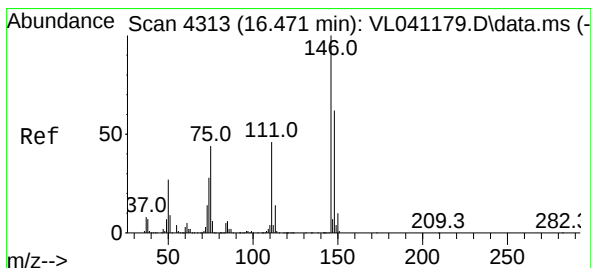
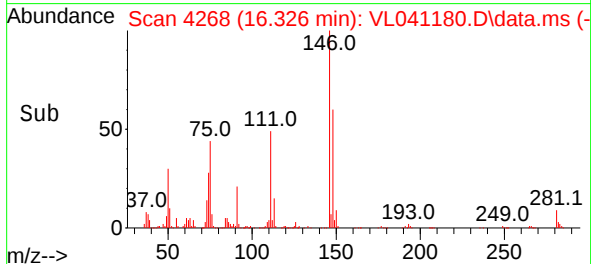
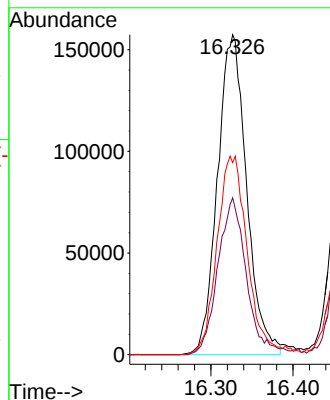
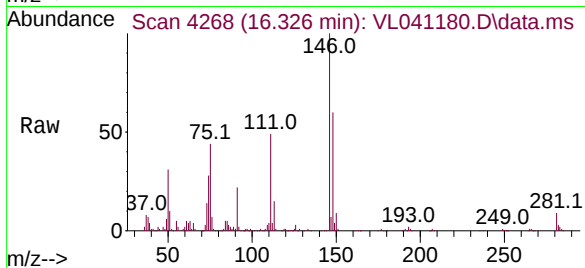
Tgt Ion:146 Resp: 388460

Ion Ratio Lower Upper

146 100

111 48.5 23.7 71.1

148 64.8 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 2.094 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

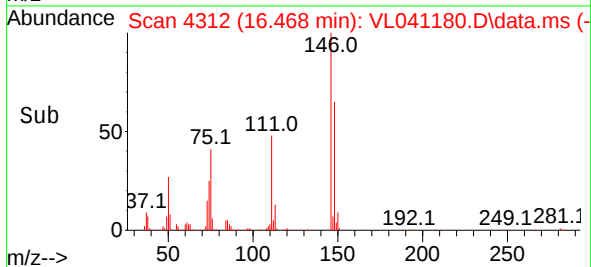
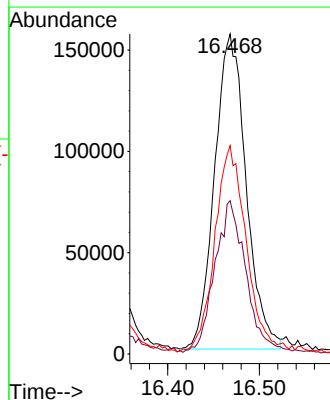
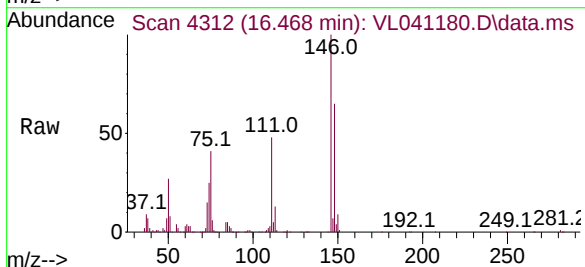
Tgt Ion:146 Resp: 371195

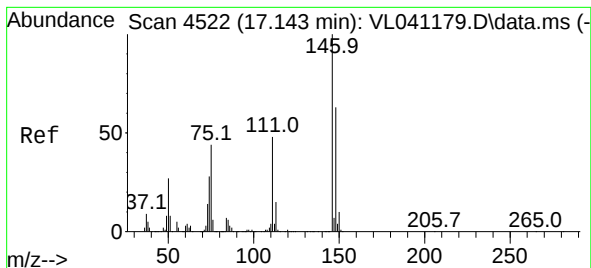
Ion Ratio Lower Upper

146 100

111 48.3 23.3 69.8

148 68.9 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 2.083 ppbv

RT: 17.140 min Scan# 4522

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

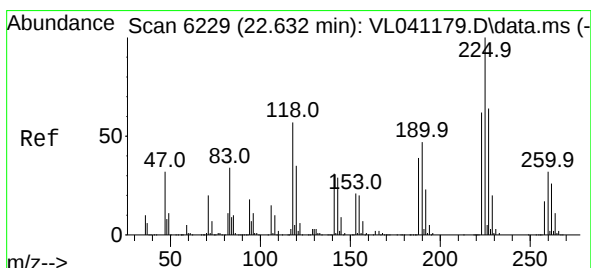
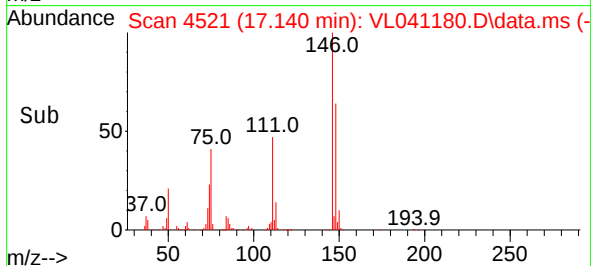
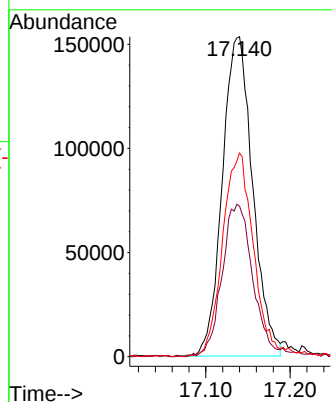
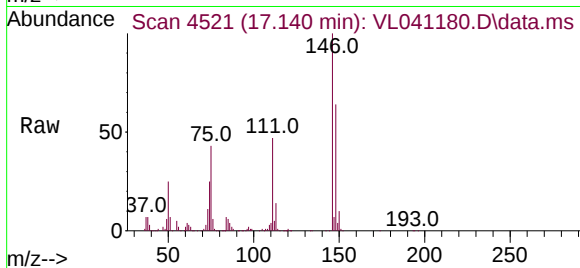
Tgt Ion:146 Resp: 383148

Ion Ratio Lower Upper

146 100

111 49.6 24.5 73.5

148 66.4 32.6 98.0



#78

Hexachloro-1,3-Butadiene

Concen: 2.233 ppbv

RT: 22.632 min Scan# 6229

Delta R.T. -0.000 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

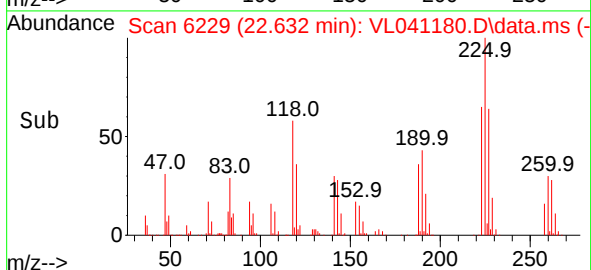
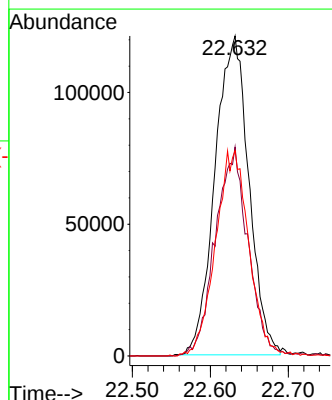
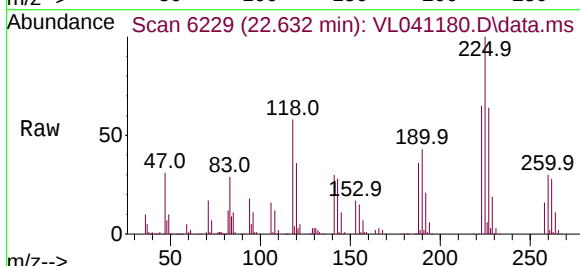
Tgt Ion:225 Resp: 365055

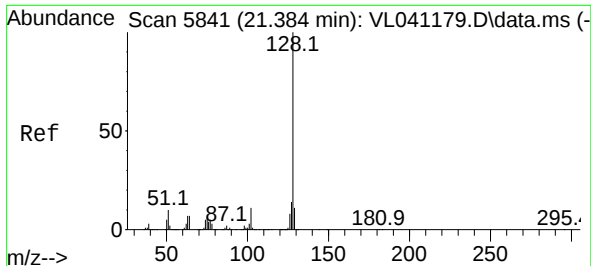
Ion Ratio Lower Upper

225 100

223 63.8 50.9 76.3

227 63.9 52.0 78.0





#79

Naphthalene

Concen: 2.456 ppbv

RT: 21.381 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

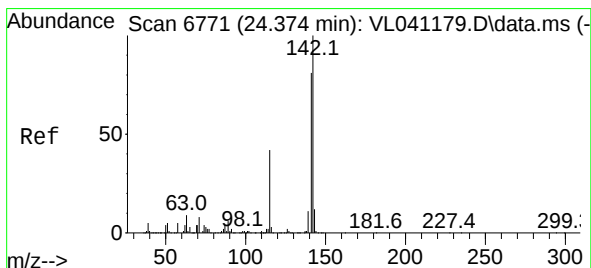
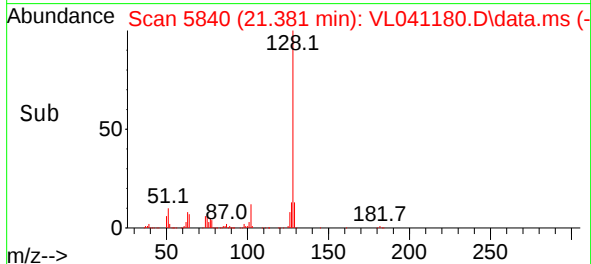
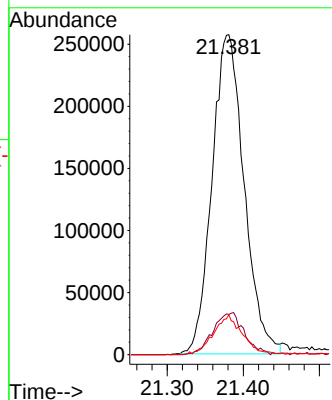
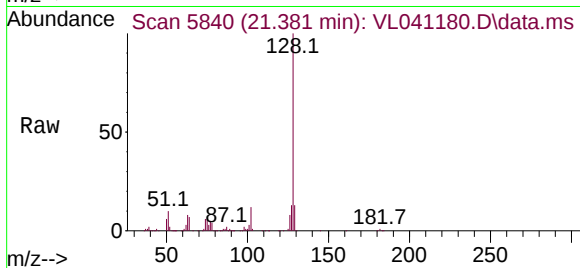
Tgt Ion:128 Resp: 752980

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

129 12.5 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 2.470 ppbv

RT: 24.365 min Scan# 6768

Delta R.T. -0.010 min

Lab File: VL041180.D

Acq: 29 Apr 2024 12:08

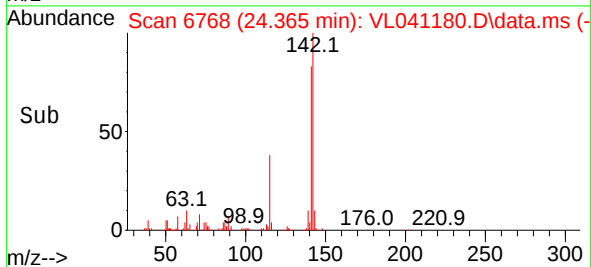
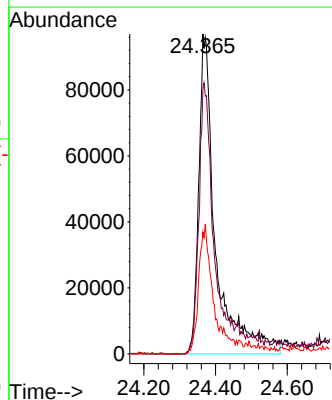
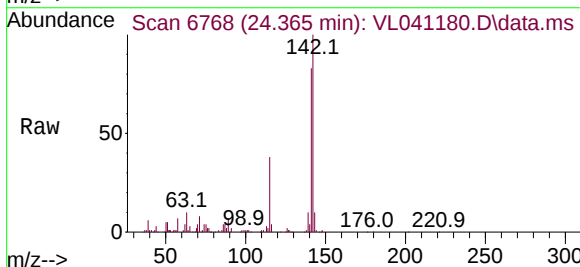
Tgt Ion:142 Resp: 318754

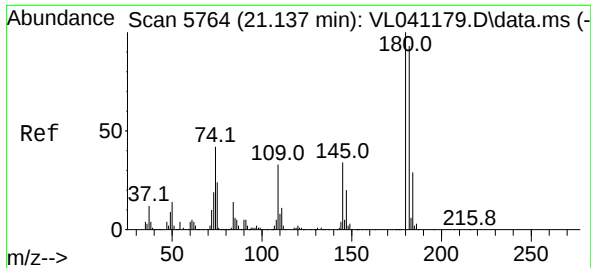
Ion Ratio Lower Upper

142 100

141 78.6 67.9 101.9

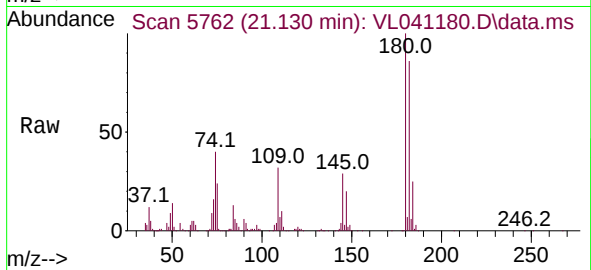
115 34.7 31.4 47.0





#81
 1,2,4-Trichlorobenzene
 Concen: 2.251 ppbv
 RT: 21.130 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VL041180.D
 Acq: 29 Apr 2024 12:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002



Tgt Ion:180 Resp: 368750
 Ion Ratio Lower Upper
 180 100
 182 96.4 77.2 115.8
 184 31.3 24.6 36.8

