

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041323.D
 Acq On : 5 Jun 2024 12:06
 Operator : SY/MD
 Sample : VL0605ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0605ABS01

Quant Time: Jun 06 04:37:50 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 : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	898290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2367866	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2831437	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1774455	8.117	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.764	85	1452294	10.124	ppbv	99
3) Chlorodifluoromethane	2.710	51	1403396	9.886	ppbv	99
4) Chloromethane	2.845	50	530102	9.921	ppbv	100
5) Vinyl Chloride	2.954	62	534327	9.927	ppbv	96
6) Bromomethane	3.150	94	163865	8.562	ppbv	91
7) Chloroethane	3.227	64	185035	9.985	ppbv	91
8) Dichlorotetrafluoroethane	2.890	85	1290116	9.779	ppbv	98
9) Propene	2.729	41	486231	9.616	ppbv	98
10) Heptane	7.590	43	1215870	10.145	ppbv	99
11) Trichlorofluoromethane	3.591	101	1339584	10.158	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.089	101	916058	9.835	ppbv	97
13) Ethanol	3.266	45	125202	9.518	ppbv	99
14) Bromoethene	3.394	108	388588	10.308	ppbv	97
15) Acetone	3.494	43	1013349	9.880	ppbv	99
16) 1,3-Butadiene	3.015	39	534285	10.363	ppbv	98
17) tert-Butyl alcohol	3.899	59	979066	10.369	ppbv	99
18) 1,1-Dichloroethene	3.906	96	423811	10.666	ppbv	92
19) Isopropyl Alcohol	3.600	45	688955	10.692	ppbv	99
20) Methylene Chloride	3.957	84	365175	9.796	ppbv	98
21) Allyl Chloride	4.018	41	662675	10.199	ppbv	99
22) trans-1,2-Dichloroethene	4.468	96	439362	10.611	ppbv	94
23) Vinyl Acetate	4.645	43	1186969	11.316	ppbv	99
24) 1,1-Dichloroethane	4.584	63	933391	10.115	ppbv	99
25) Ethyl Acetate	5.221	43	2040635	10.057	ppbv	100
26) Hexane	5.227	57	901446	9.879	ppbv	98
27) Carbon Disulfide	4.147	76	1100415	10.888	ppbv	99
28) Methyl tert-Butyl Ether	4.607	73	661651	9.784	ppbv	99
29) Chloroform	5.295	83	1395454	9.968	ppbv	97
30) Cyclohexane	6.613	84	752370	10.173	ppbv	98
31) cis-1,2-Dichloroethene	5.095	61	898865	10.425	ppbv	97
32) 1,1,1-Trichloroethane	6.018	97	1394671	10.517	ppbv	99
34) 2-Butanone	4.806	43	1200209	10.580	ppbv	99
35) Carbon Tetrachloride	6.507	117	1436456	10.674	ppbv	97
36) Benzene	6.385	78	1880091	10.244	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1093034	10.215	ppbv	100
38) Trichloroethene	7.304	130	720798	9.691	ppbv	96
39) 1,2-Dichloropropane	7.089	63	728522	9.969	ppbv	99
40) 1,4-Dioxane	7.295	88	297649	11.121	ppbv	81
41) Tetrahydrofuran	5.571	42	765800	10.375	ppbv	100
42) Bromodichloromethane	7.259	83	1582673	10.299	ppbv	98
43) Methyl Methacrylate	7.488	69	763571	10.919	ppbv	99
44) 2,2,4-Trimethylpentane	7.340	57	3160096	10.011	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	476478	10.098	ppbv	99

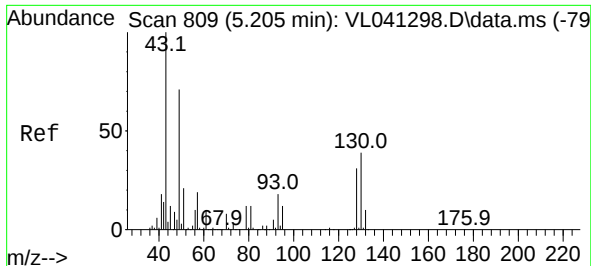
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041323.D
 Acq On : 5 Jun 2024 12:06
 Operator : SY/MD
 Sample : VL0605ABS01
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Quant Time: Jun 06 04:37:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	603227	9.931	ppbv	99
47) 1,1,2-Trichloroethane	8.909	97	780182	10.216	ppbv	97
48) Dibromochloromethane	9.719	129	1315227	10.450	ppbv	98
49) Bromoform	12.410	173	1119234	11.035	ppbv	99
50) 4-Methyl-2-Pentanone	8.189	43	1981847	10.554	ppbv	99
51) 2-Hexanone	9.558	43	1435153	10.753	ppbv	99
52) Tetrachloroethene	10.623	164	673153	10.057	ppbv	98
53) Toluene	9.227	91	2196906	10.407	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1025390	10.299	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	972609	8.121	ppbv	99
57) Chlorobenzene	11.536	112	1665011	7.916	ppbv	99
58) Ethyl Benzene	12.095	91	2973152	8.192	ppbv	99
59) m/p-Xylene	12.375	91	2998767	9.644	ppbv #	31
60) o-Xylene	13.063	91	2405232	8.114	ppbv	99
61) Styrene	12.902	104	1286843	8.854	ppbv	99
62) Isopropylbenzene	14.034	105	3588972	8.005	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1718119	8.146	ppbv	100
64) n-propylbenzene	14.918	120	938806	8.125	ppbv	97
65) tert-Butylbenzene	16.092	119	3158172	7.924	ppbv	99
66) Benzyl Chloride	16.330	91	153246	5.844	ppbv	100
67) sec-Butylbenzene	16.642	105	4507998	8.006	ppbv	100
69) p-Isopropyltoluene	16.998	119	3768133	8.120	ppbv	100
70) n-Butylbenzene	17.889	91	3981339	8.270	ppbv	100
71) 2-Chlorotoluene	14.806	91	2775837	8.090	ppbv	100
72) 4-Ethyltoluene	15.198	105	2863513	8.291	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2551890	8.513	ppbv	97
74) 1,2,4-Trimethylbenzene	16.111	105	2766288	8.160	ppbv #	93
75) 1,3-Dichlorobenzene	16.333	146	1658089	8.332	ppbv	99
76) 1,4-Dichlorobenzene	16.478	146	1622776	8.161	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1618817	8.126	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1151541	7.054	ppbv	100
79) Naphthalene	21.384	128	2793761	9.498	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	867719	8.735	ppbv	100
81) 1,2,4-Trichlorobenzene	21.140	180	1333632	8.130	ppbv #	98

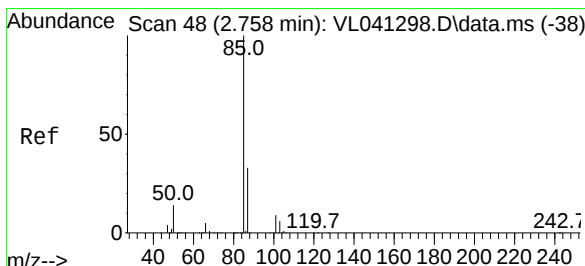
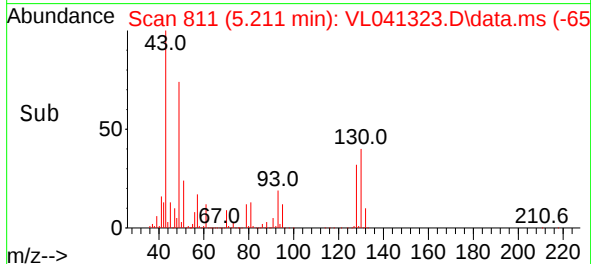
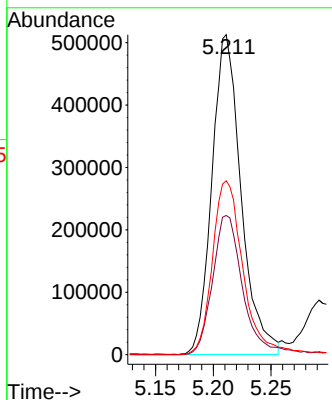
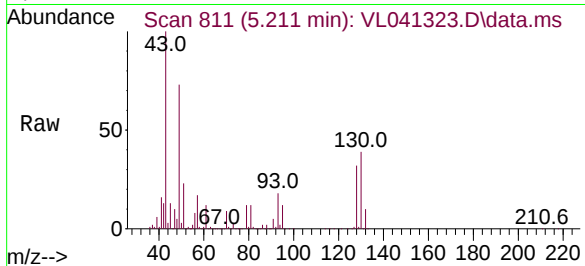
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

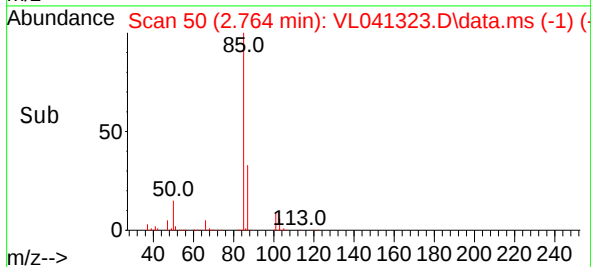
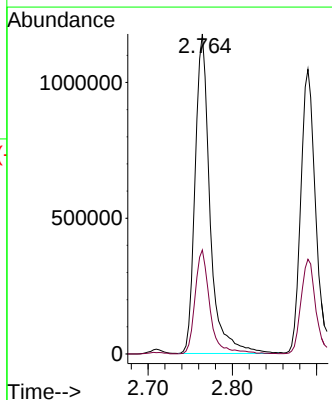
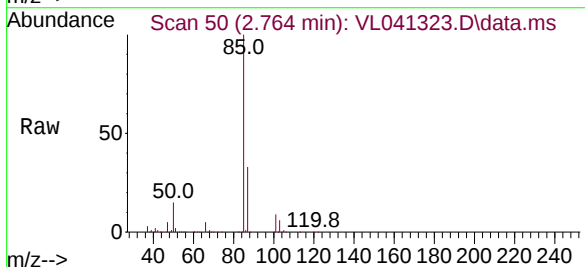
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

Tgt Ion: 49 Resp: 898290
Ion Ratio Lower Upper
49 100
128 46.3 22.8 68.3
130 58.7 28.4 85.3

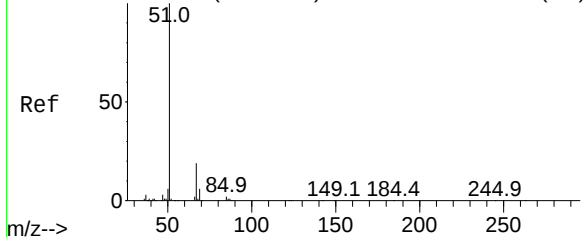


#2
Dichlorodifluoromethane
Concen: 10.124 ppbv
RT: 2.764 min Scan# 50
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 85 Resp: 1452294
Ion Ratio Lower Upper
85 100
87 32.5 26.5 39.7



Abundance Scan 31 (2.703 min): VL041298.D\data.ms (-16)



#3

Chlorodifluoromethane

Concen: 9.886 ppbv

RT: 2.710 min Scan# 31

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

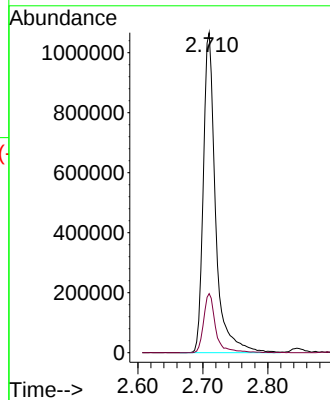
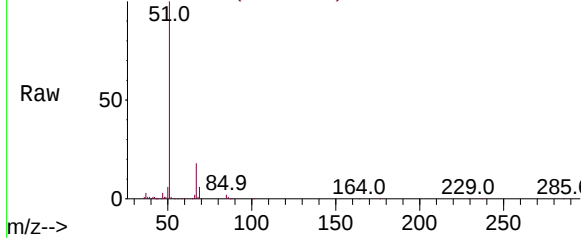
Tgt Ion: 51 Resp: 1403396

Ion Ratio Lower Upper

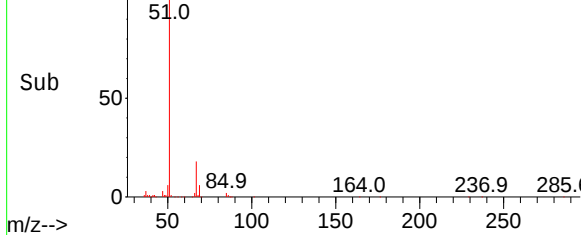
51 100

67 18.2 14.7 22.1

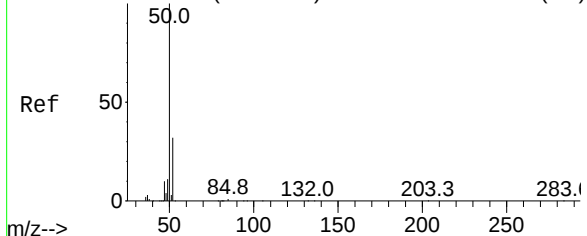
Abundance Scan 33 (2.710 min): VL041323.D\data.ms



Abundance Scan 33 (2.710 min): VL041323.D\data.ms (-1) (-)



Abundance Scan 73 (2.838 min): VL041298.D\data.ms (-66)



#4

Chloromethane

Concen: 9.921 ppbv

RT: 2.845 min Scan# 75

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

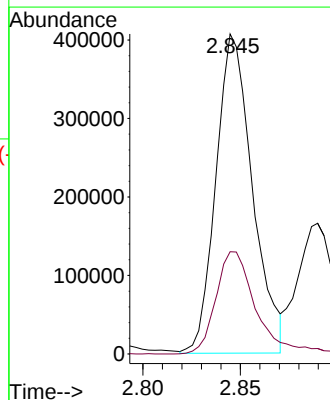
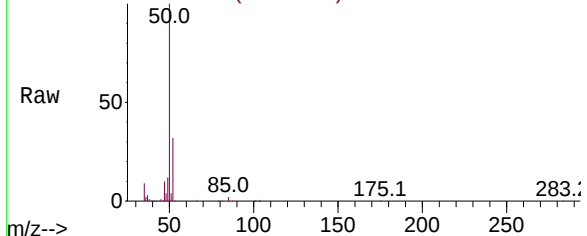
Tgt Ion: 50 Resp: 530102

Ion Ratio Lower Upper

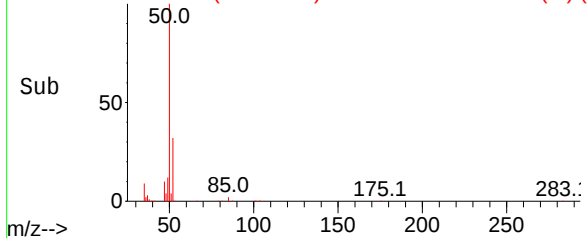
50 100

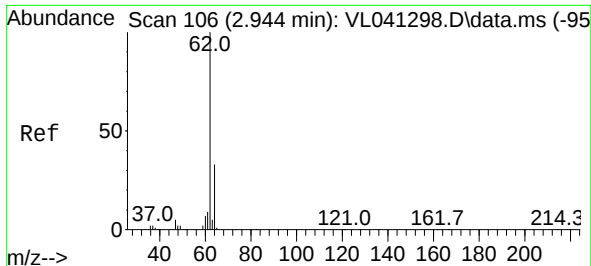
52 32.1 25.6 38.4

Abundance Scan 75 (2.845 min): VL041323.D\data.ms



Abundance Scan 75 (2.845 min): VL041323.D\data.ms (-1) (-)

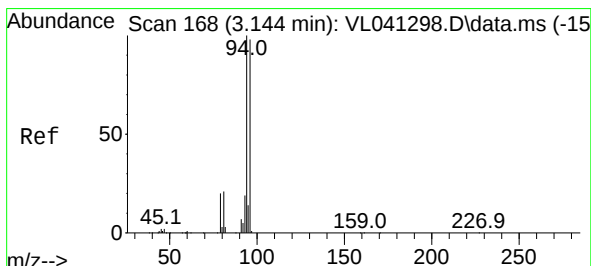
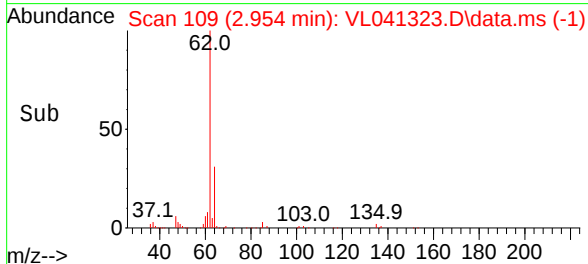
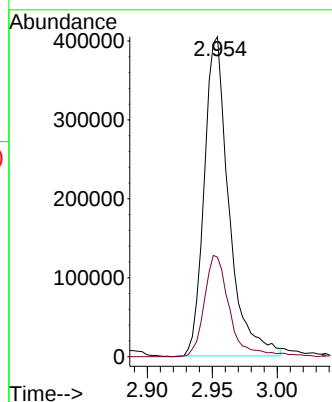
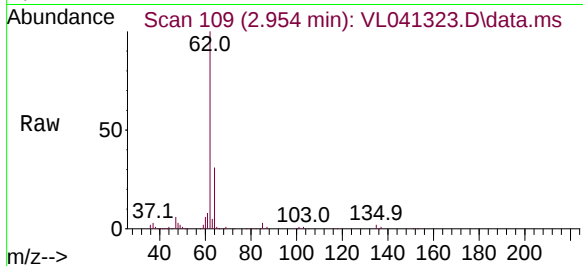




#5
 Vinyl Chloride
 Concen: 9.927 ppbv
 RT: 2.954 min Scan# 106
 Delta R.T. 0.010 min
 Lab File: VL041323.D
 Acq: 5 Jun 2024 12:06

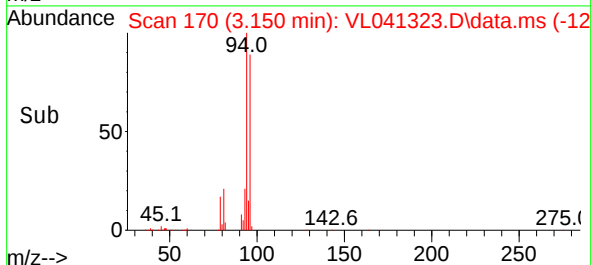
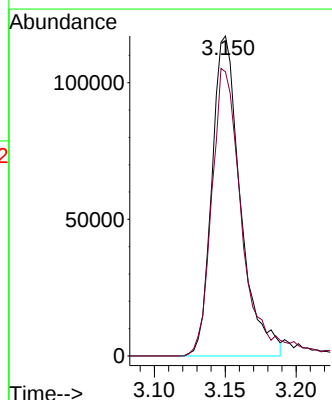
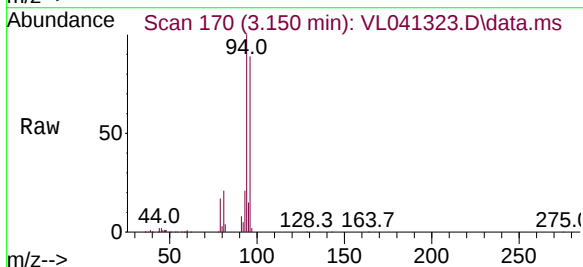
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0605ABS01

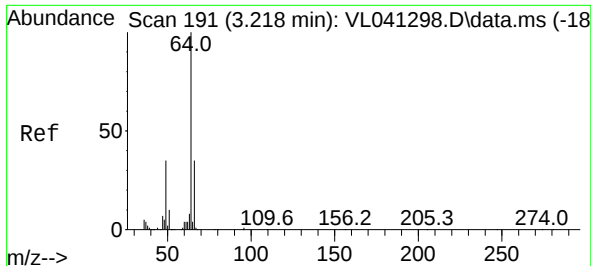
Tgt Ion: 62 Resp: 534327
 Ion Ratio Lower Upper
 62 100
 64 31.1 26.6 40.0



#6
 Bromomethane
 Concen: 8.562 ppbv
 RT: 3.150 min Scan# 170
 Delta R.T. 0.006 min
 Lab File: VL041323.D
 Acq: 5 Jun 2024 12:06

Tgt Ion: 94 Resp: 163865
 Ion Ratio Lower Upper
 94 100
 96 88.8 78.6 117.8

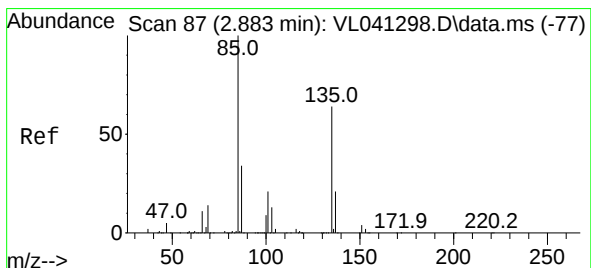
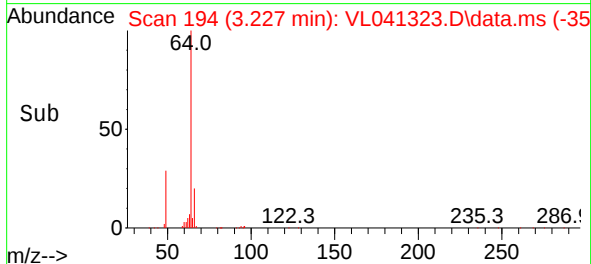
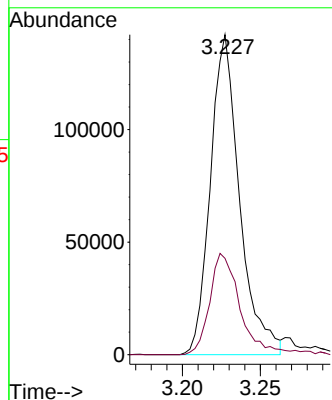
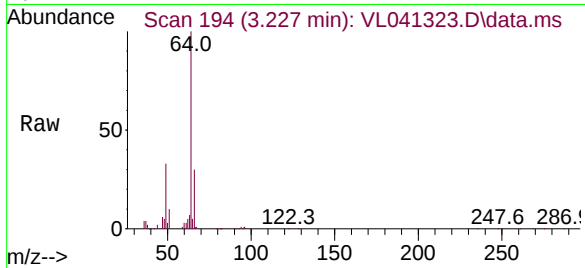




#7
Chloroethane
Concen: 9.985 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

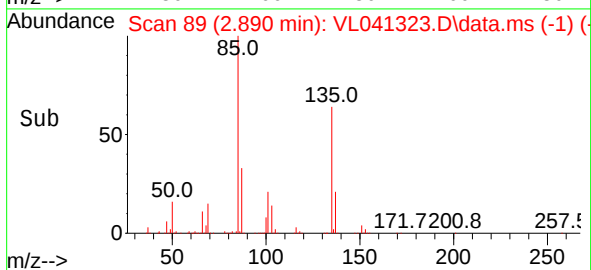
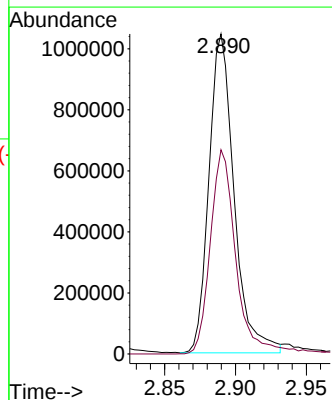
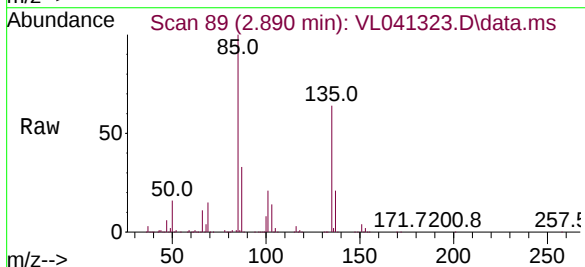
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

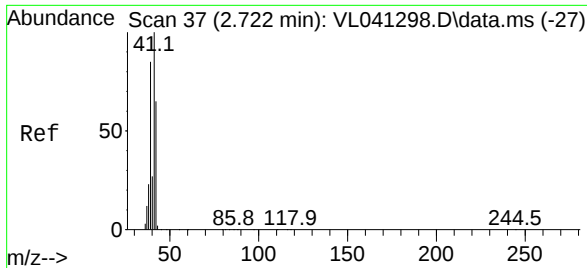
Tgt Ion: 64 Resp: 185035
Ion Ratio Lower Upper
64 100
66 30.1 28.1 42.1



#8
Dichlorotetrafluoroethane
Concen: 9.779 ppbv
RT: 2.890 min Scan# 89
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 85 Resp: 1290116
Ion Ratio Lower Upper
85 100
135 66.3 51.7 77.5





#9

Propene

Concen: 9.616 ppbv

RT: 2.729 min Scan# 30

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_1

ClientSampleId :

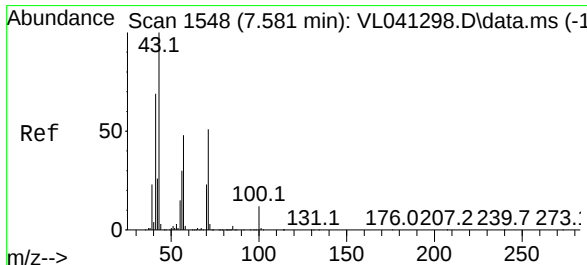
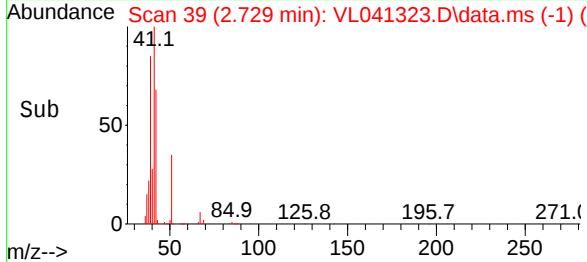
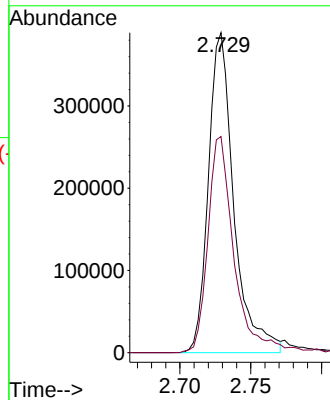
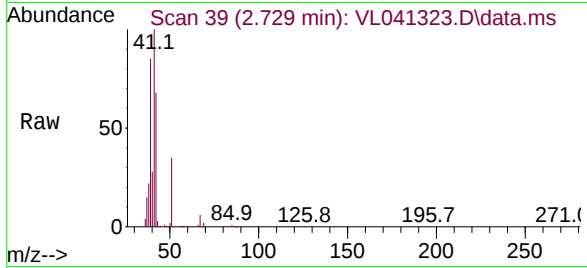
VL0605ABS01

Tgt Ion: 41 Resp: 486231

Ion Ratio Lower Upper

41 100

42 70.2 55.2 82.8



#10

Heptane

Concen: 10.145 ppbv

RT: 7.590 min Scan# 1551

Delta R.T. 0.010 min

Lab File: VL041323.D

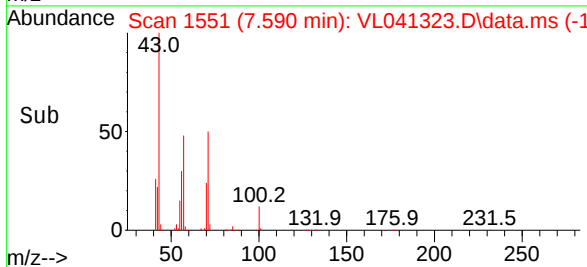
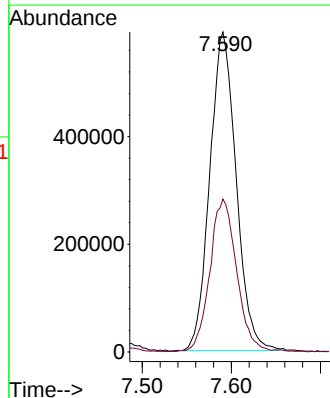
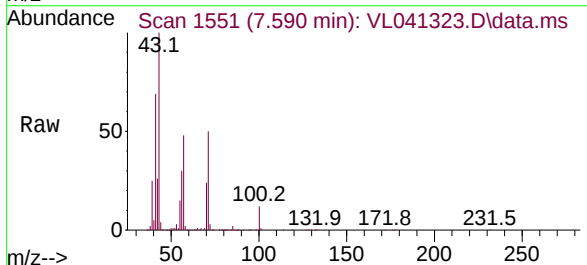
Acq: 5 Jun 2024 12:06

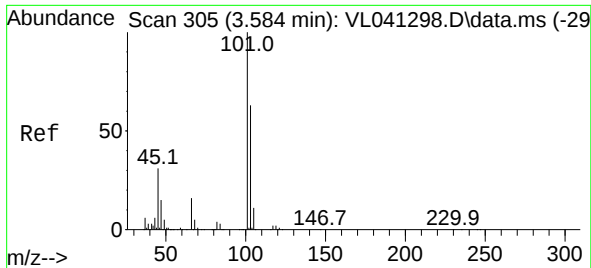
Tgt Ion: 43 Resp: 1215870

Ion Ratio Lower Upper

43 100

57 49.4 39.0 58.4





#11

Trichlorofluoromethane

Concen: 10.158 ppbv

RT: 3.591 min Scan# 305

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

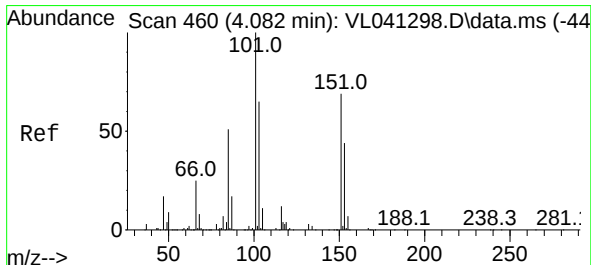
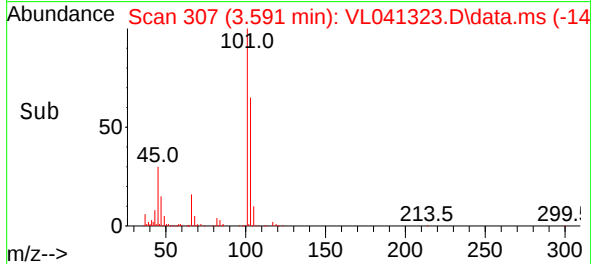
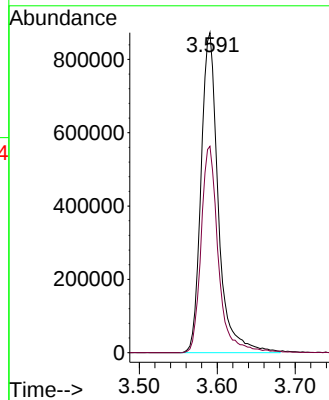
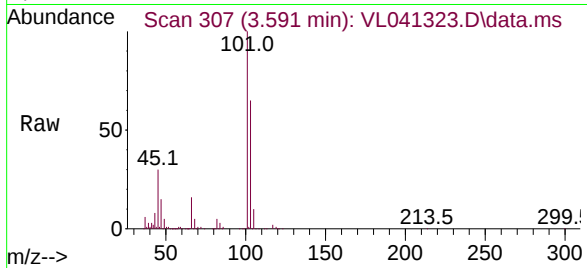
VL0605ABS01

Tgt Ion:101 Resp: 1339584

Ion Ratio Lower Upper

101 100

103 64.5 50.6 76.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.835 ppbv

RT: 4.089 min Scan# 462

Delta R.T. 0.007 min

Lab File: VL041323.D

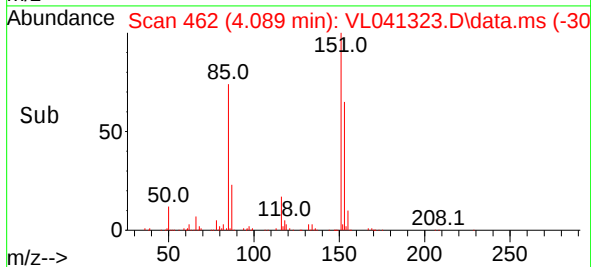
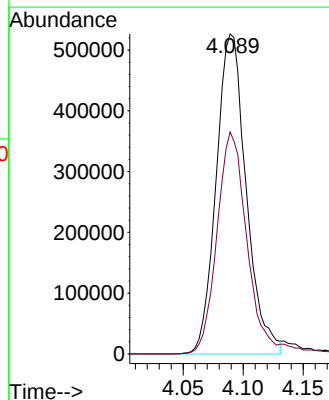
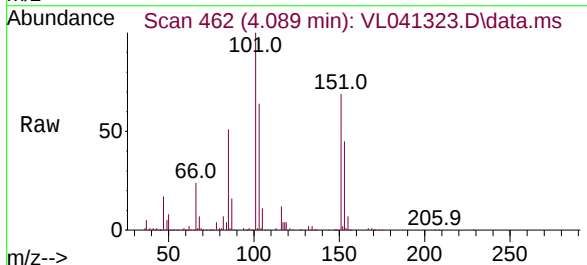
Acq: 5 Jun 2024 12:06

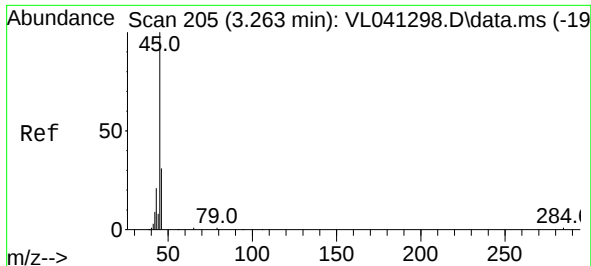
Tgt Ion:101 Resp: 916058

Ion Ratio Lower Upper

101 100

151 71.0 54.8 82.2

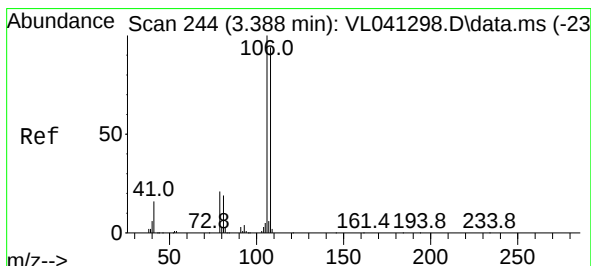
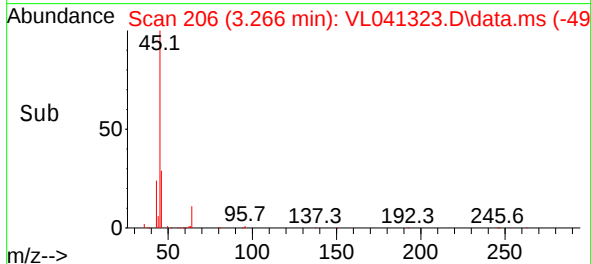
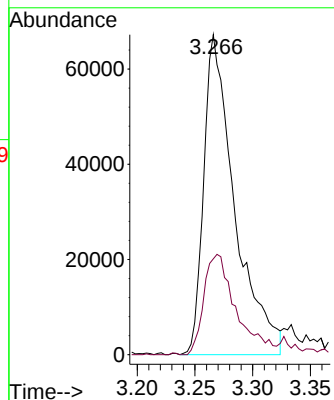
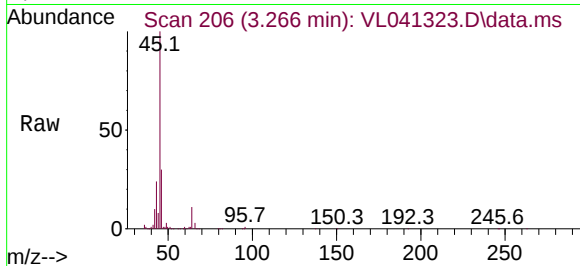




#13
Ethanol
Concen: 9.518 ppbv
RT: 3.266 min Scan# 205
Delta R.T. 0.003 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

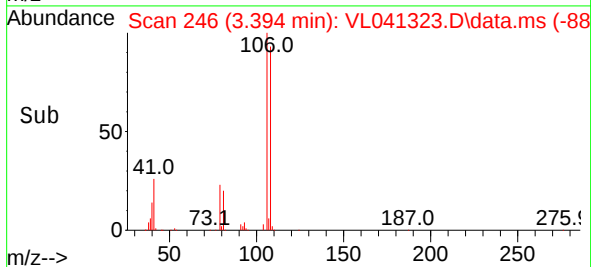
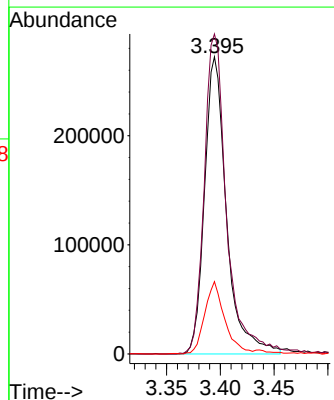
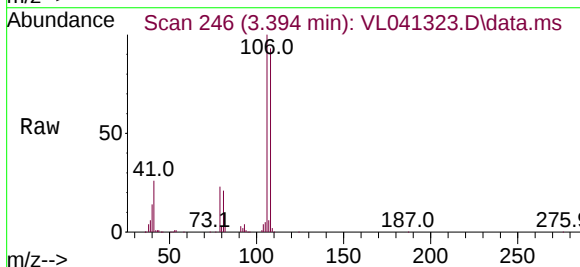
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

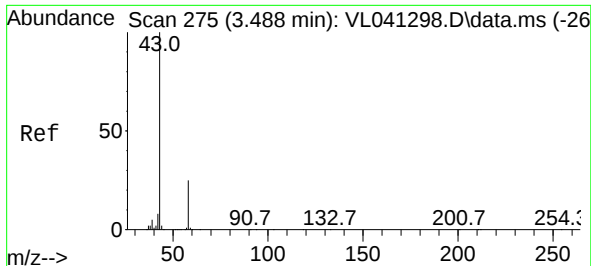
Tgt Ion: 45 Resp: 125202
Ion Ratio Lower Upper
45 100
46 35.0 14.2 56.6



#14
Bromoethene
Concen: 10.308 ppbv
RT: 3.394 min Scan# 246
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion:108 Resp: 388588
Ion Ratio Lower Upper
108 100
106 110.3 85.4 128.0
79 23.3 17.8 26.8

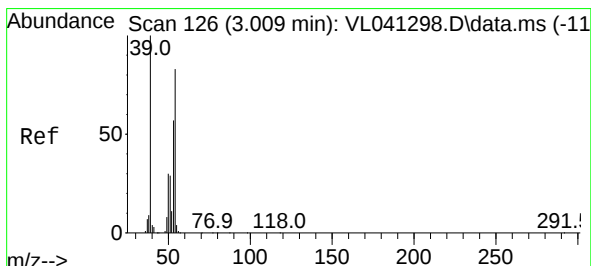
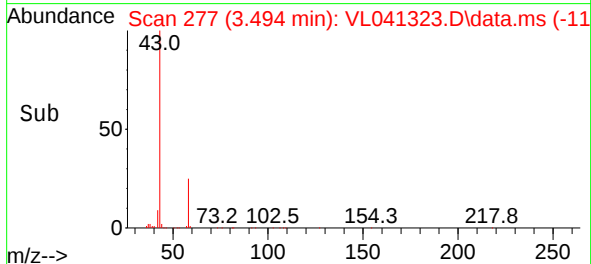
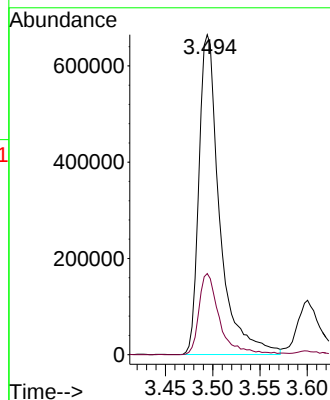
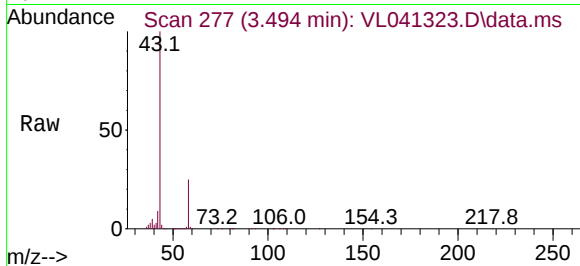




#15
Acetone
Concen: 9.880 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

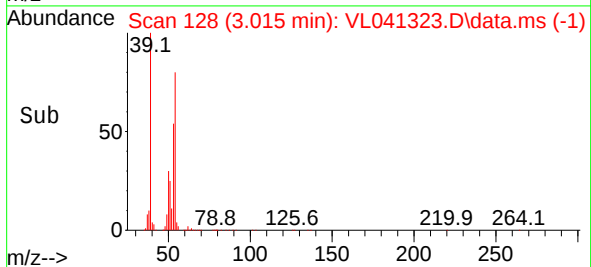
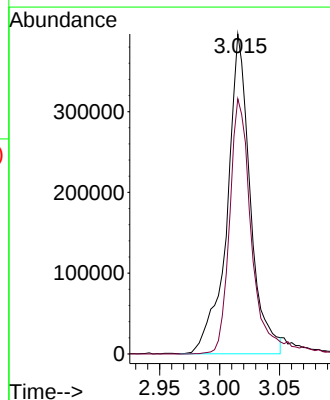
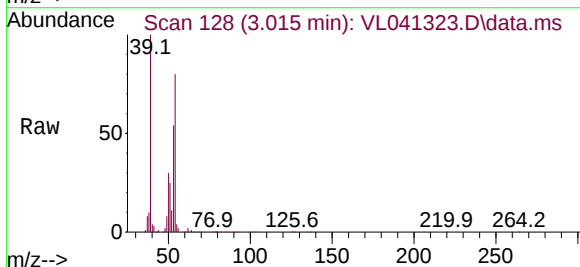
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

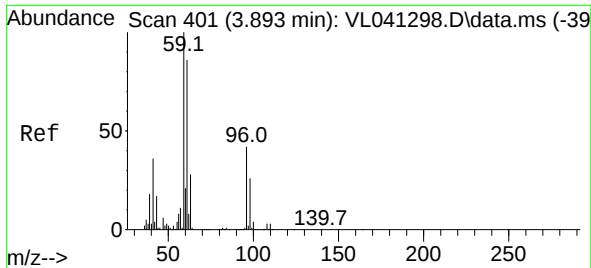
Tgt Ion: 43 Resp: 1013349
Ion Ratio Lower Upper
43 100
58 25.5 20.6 31.0



#16
1,3-Butadiene
Concen: 10.363 ppbv
RT: 3.015 min Scan# 128
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 39 Resp: 534285
Ion Ratio Lower Upper
39 100
54 77.4 60.5 90.7

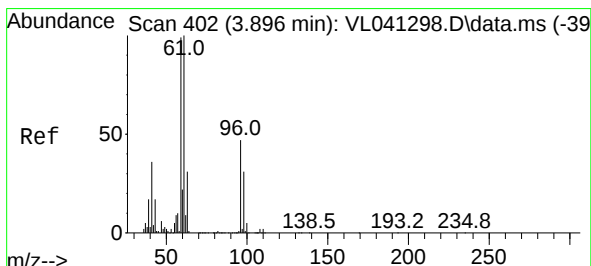
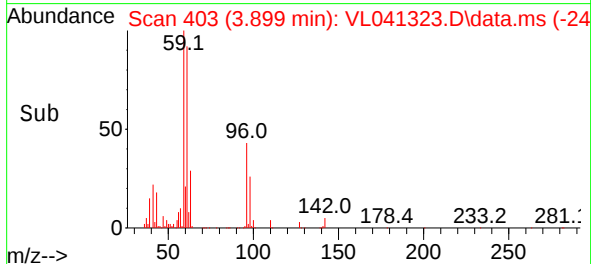
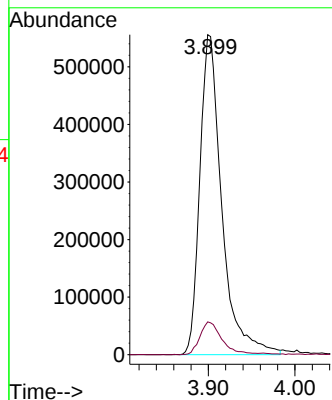
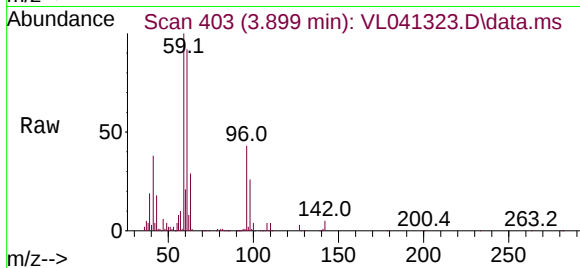




#17
tert-Butyl alcohol
Concen: 10.369 ppbv
RT: 3.899 min Scan# 401
Delta R.T. 0.007 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

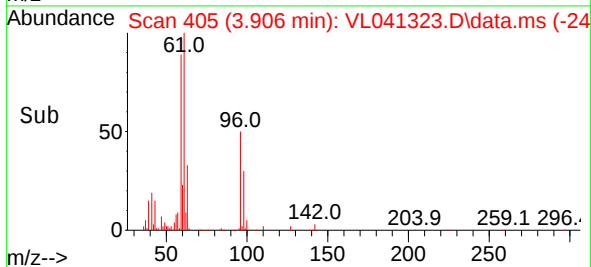
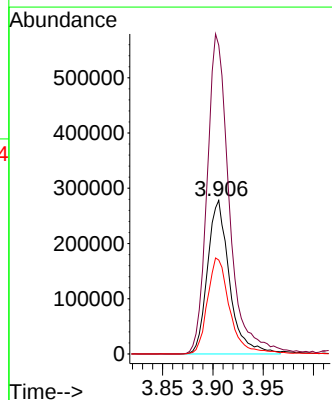
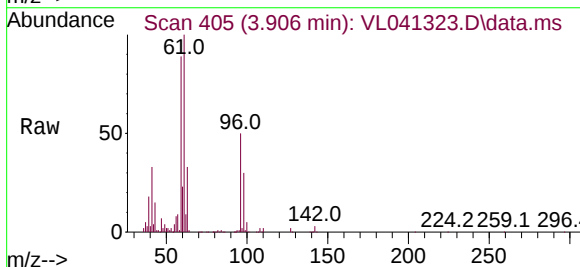
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

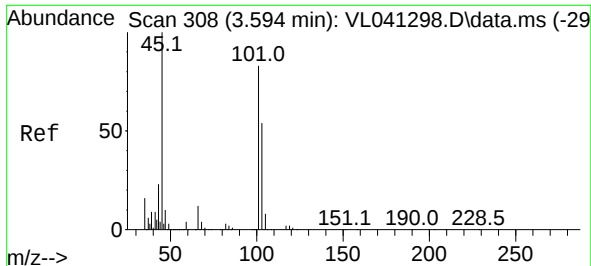
Tgt Ion: 59 Resp: 979066
Ion Ratio Lower Upper
59 100
57 10.7 9.0 13.4



#18
1,1-Dichloroethene
Concen: 10.666 ppbv
RT: 3.906 min Scan# 405
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 96 Resp: 423811
Ion Ratio Lower Upper
96 100
61 201.0 171.8 257.8
98 61.2 53.1 79.7





#19

Isopropyl Alcohol

Concen: 10.692 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

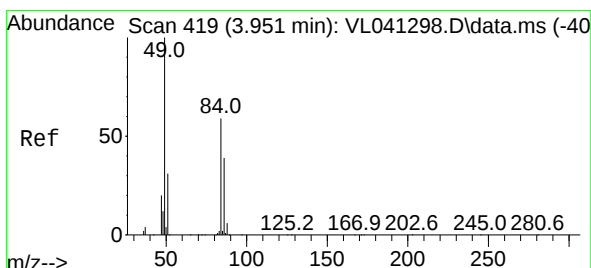
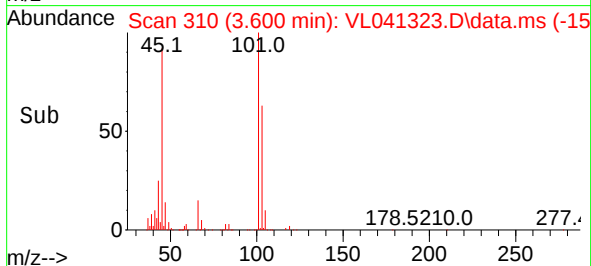
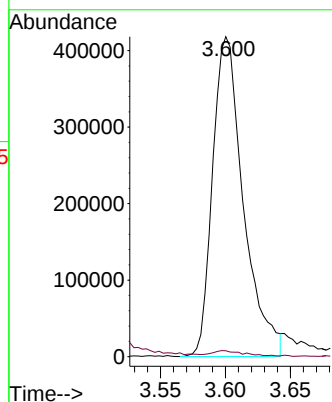
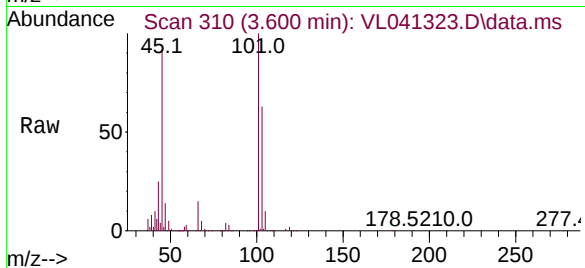
VL0605ABS01

Tgt Ion: 45 Resp: 688955

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.2



#20

Methylene Chloride

Concen: 9.796 ppbv

RT: 3.957 min Scan# 421

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Tgt Ion: 84 Resp: 365175

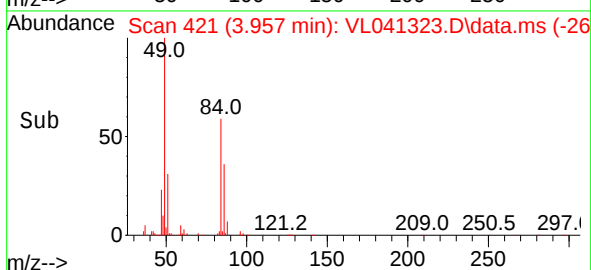
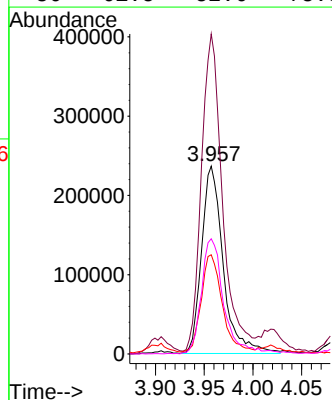
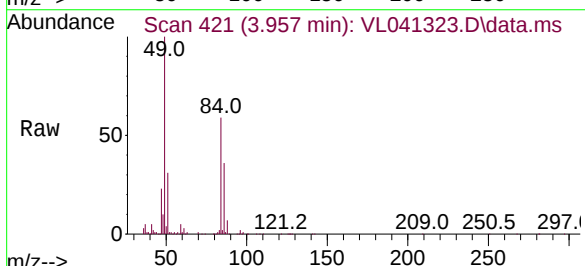
Ion Ratio Lower Upper

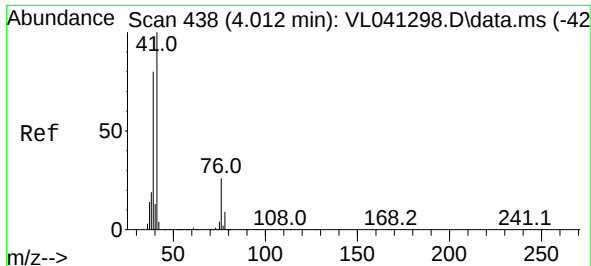
84 100

49 169.1 136.2 204.2

51 51.9 41.9 62.9

86 61.5 52.6 78.8





#21

Allyl Chloride

Concen: 10.199 ppbv

RT: 4.018 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

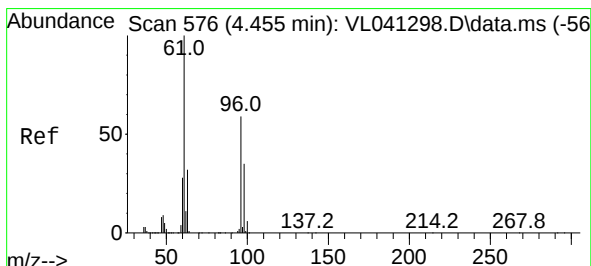
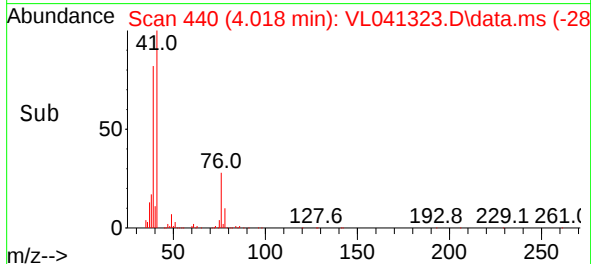
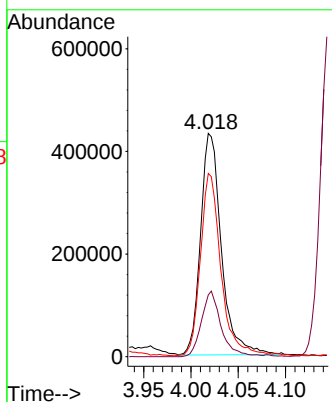
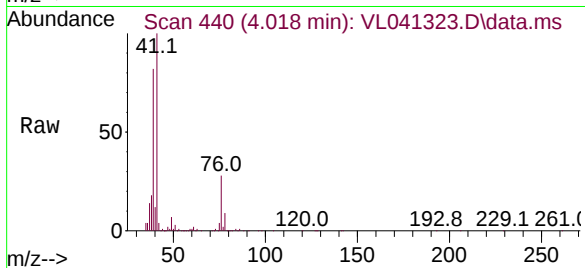
Tgt Ion: 41 Resp: 662675

Ion Ratio Lower Upper

41 100

76 28.4 22.3 33.5

39 81.5 66.3 99.5



#22

trans-1,2-Dichloroethene

Concen: 10.611 ppbv

RT: 4.468 min Scan# 580

Delta R.T. 0.013 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

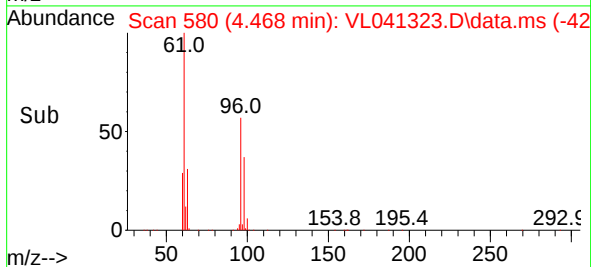
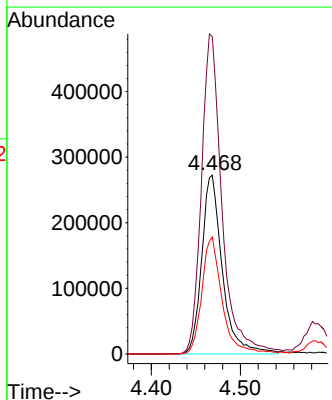
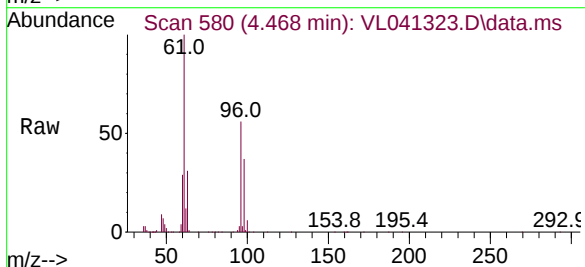
Tgt Ion: 96 Resp: 439362

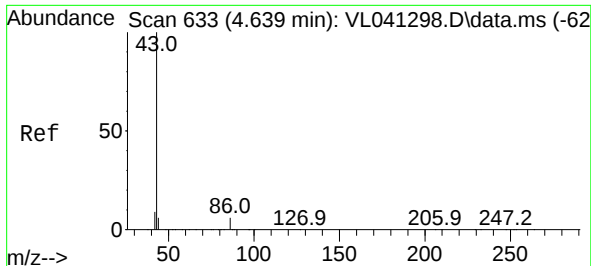
Ion Ratio Lower Upper

96 100

61 177.4 135.5 203.3

98 65.4 47.6 71.4



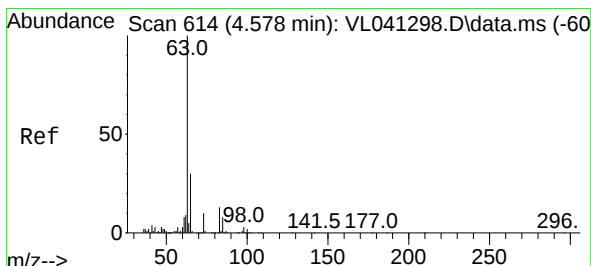
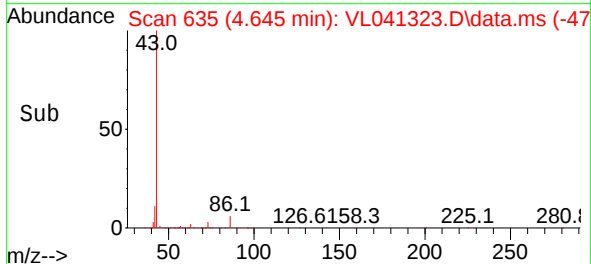
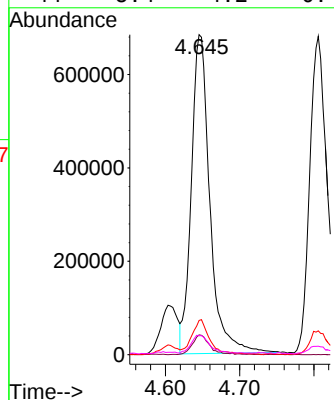
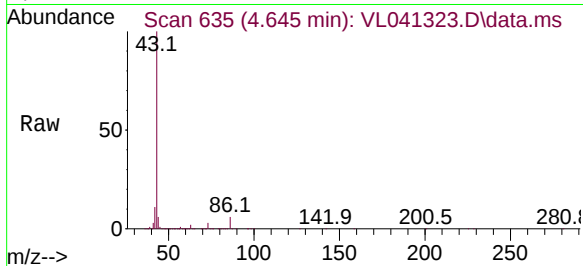


#23
 Vinyl Acetate
 Concen: 11.316 ppbv
 RT: 4.645 min Scan# 616
 Delta R.T. 0.006 min
 Lab File: VL041323.D
 Acq: 5 Jun 2024 12:06

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0605ABS01

Tgt Ion: 43 Resp: 1186969

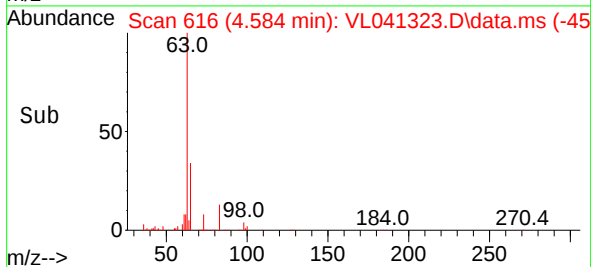
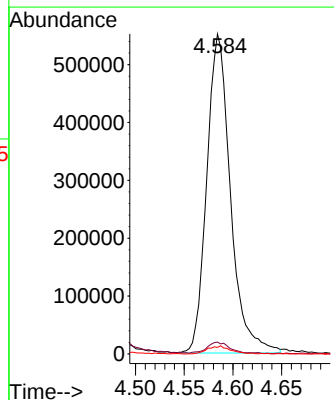
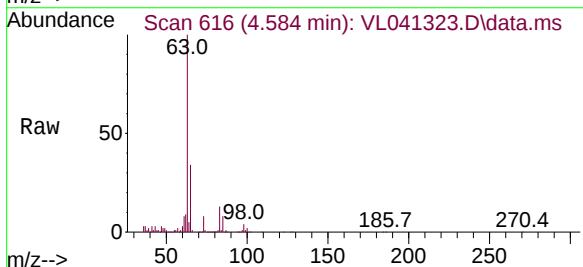
Ion	Ratio	Lower	Upper
43	100		
86	6.2	4.7	7.1
42	10.7	8.0	12.0
44	5.4	4.2	6.4

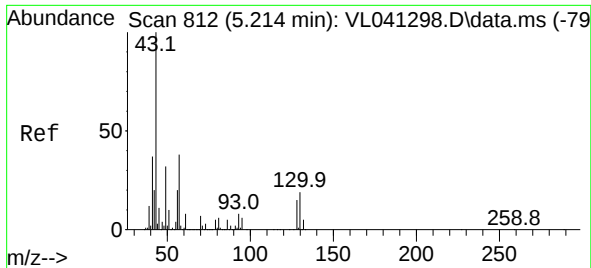


#24
 1,1-Dichloroethane
 Concen: 10.115 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. 0.006 min
 Lab File: VL041323.D
 Acq: 5 Jun 2024 12:06

Tgt Ion: 63 Resp: 933391

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.9	5.7
100	2.0	1.1	3.5



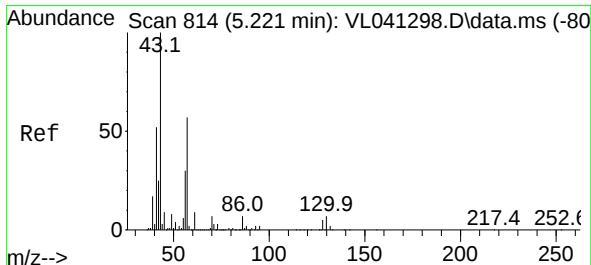
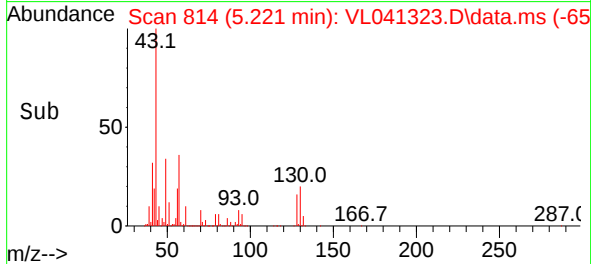
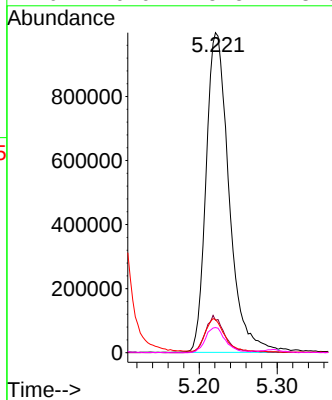
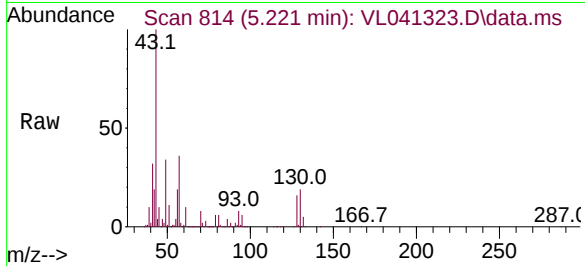


#25
Ethyl Acetate
Concen: 10.057 ppbv
RT: 5.221 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

Tgt Ion: 43 Resp: 2040635

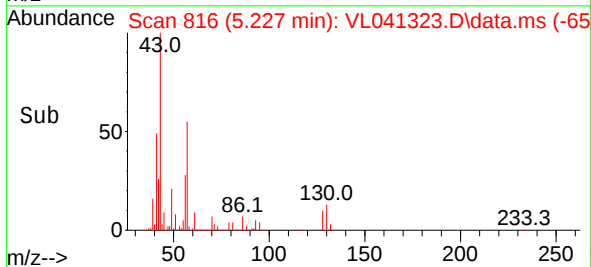
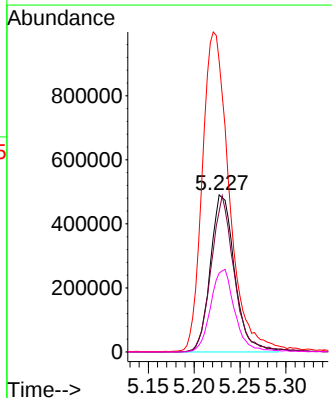
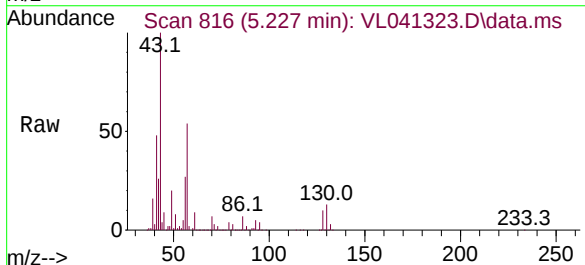
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.5	7.4	11.0
70	6.9	5.5	8.3

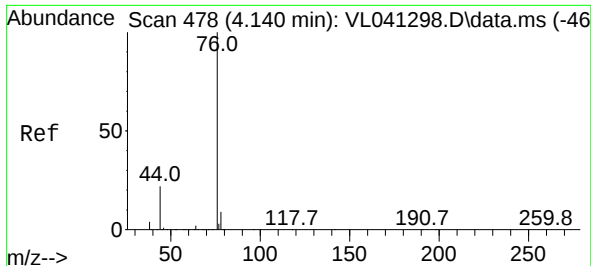


#26
Hexane
Concen: 9.879 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 57 Resp: 901446

Ion	Ratio	Lower	Upper
57	100		
41	96.4	77.1	115.7
43	228.7	186.1	279.1
56	53.1	42.9	64.3

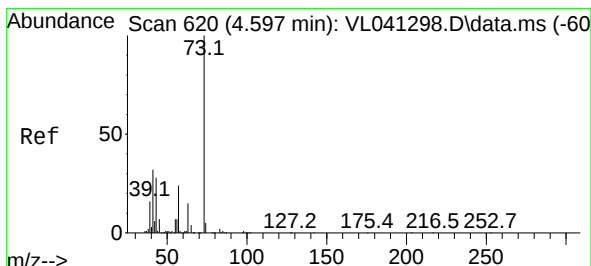
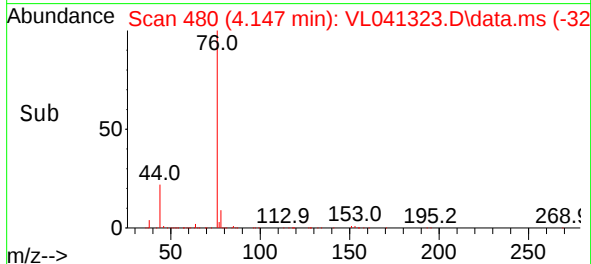
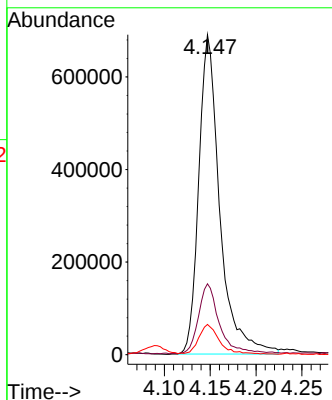
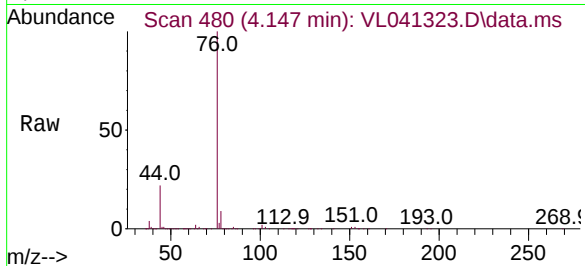




#27
Carbon Disulfide
Concen: 10.888 ppbv
RT: 4.147 min Scan# 478
Delta R.T. 0.006 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

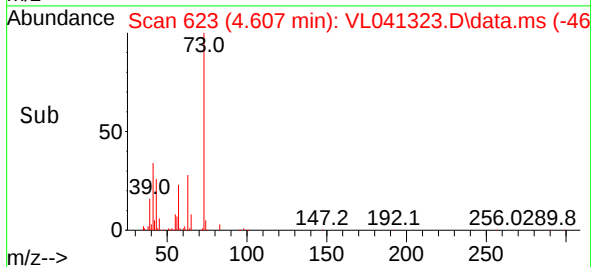
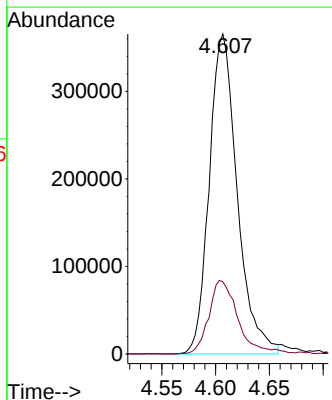
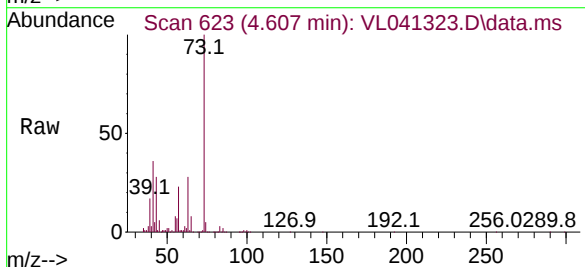
Instrument :
MSVOA_1
ClientSampleId :
VL0605ABS01

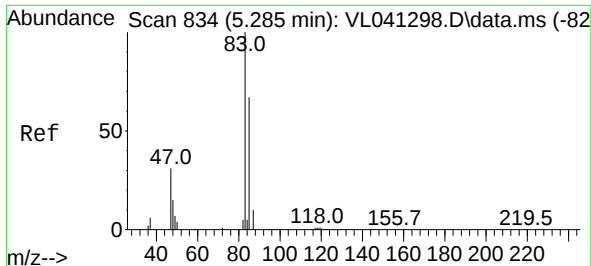
Tgt Ion: 76 Resp: 1100415
Ion Ratio Lower Upper
76 100
44 22.8 17.7 26.5
78 9.6 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 9.784 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 73 Resp: 661651
Ion Ratio Lower Upper
73 100
57 24.3 19.2 28.8





#29

Chloroform

Concen: 9.968 ppbv

RT: 5.295 min Scan# 84

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

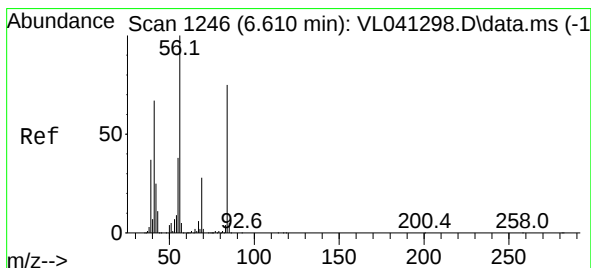
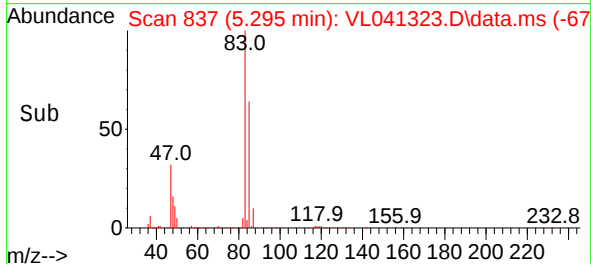
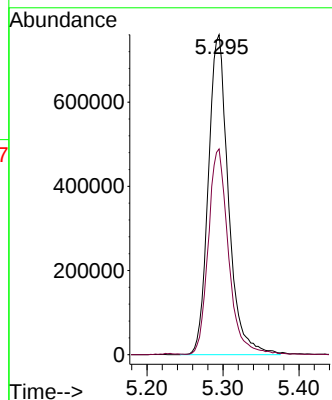
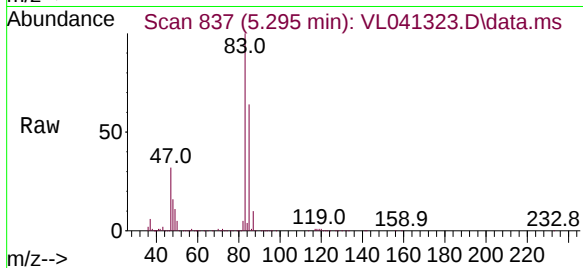
VL0605ABS01

Tgt Ion: 83 Resp: 1395454

Ion Ratio Lower Upper

83 100

85 64.1 53.3 79.9



#30

Cyclohexane

Concen: 10.173 ppbv

RT: 6.613 min Scan# 1247

Delta R.T. 0.003 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

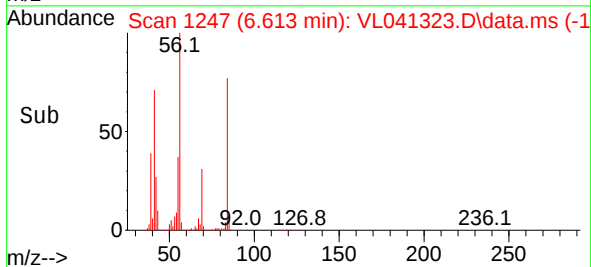
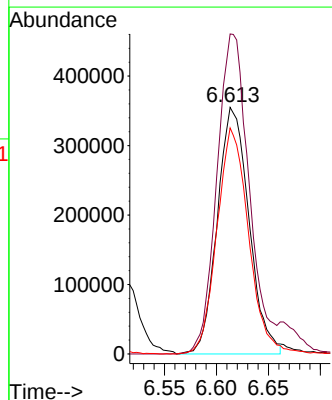
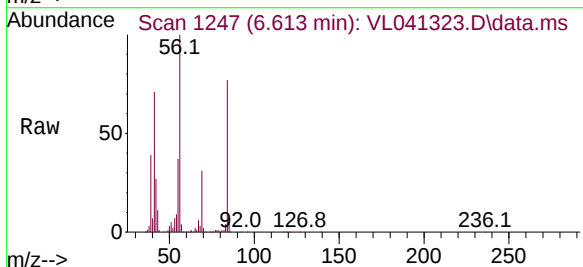
Tgt Ion: 84 Resp: 752370

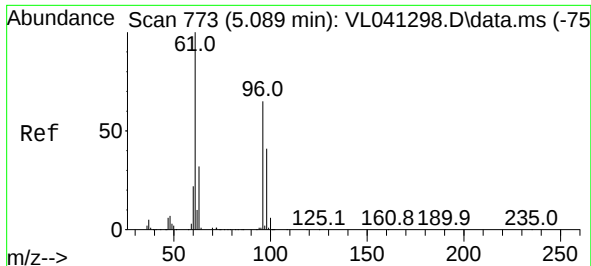
Ion Ratio Lower Upper

84 100

56 141.2 114.9 172.3

41 91.4 74.4 111.6





#31

cis-1,2-Dichloroethene

Concen: 10.425 ppbv

RT: 5.095 min Scan# 71

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

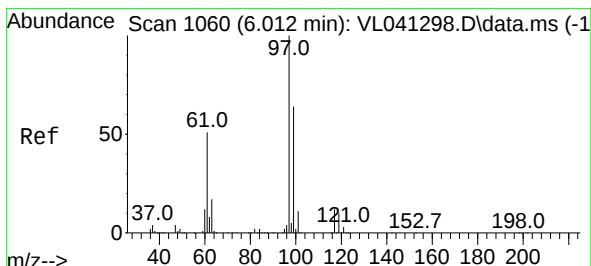
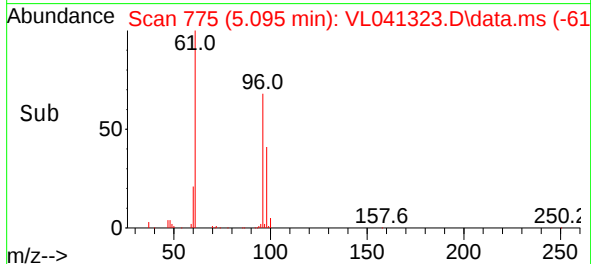
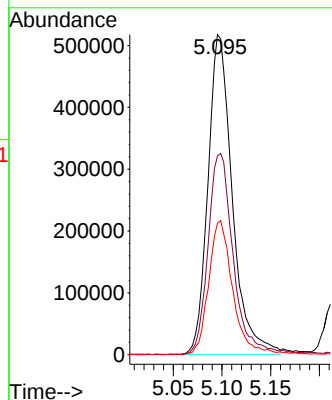
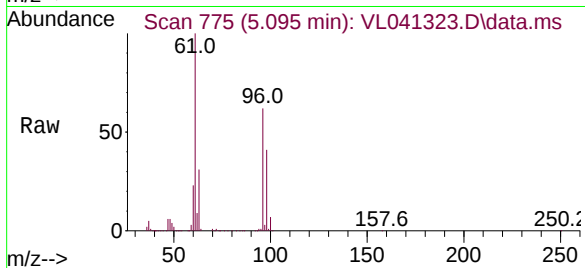
Tgt Ion: 61 Resp: 898865

Ion Ratio Lower Upper

61 100

96 62.1 52.1 78.1

98 41.0 33.1 49.7



#32

1,1,1-Trichloroethane

Concen: 10.517 ppbv

RT: 6.018 min Scan# 1062

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

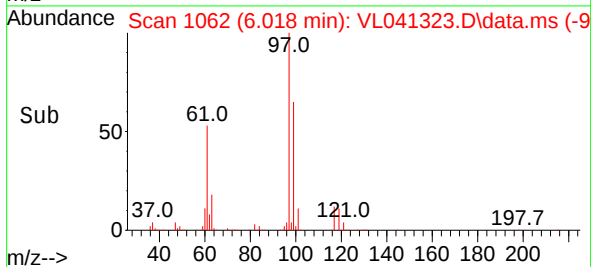
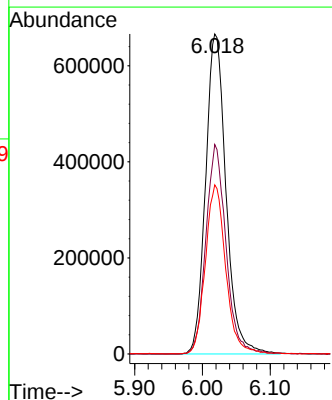
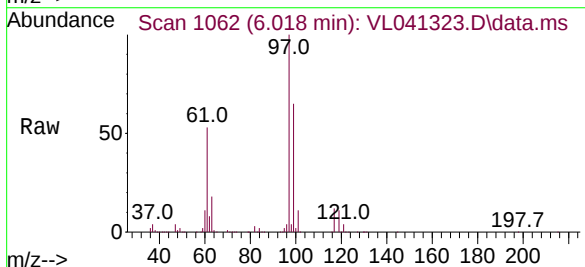
Tgt Ion: 97 Resp: 1394671

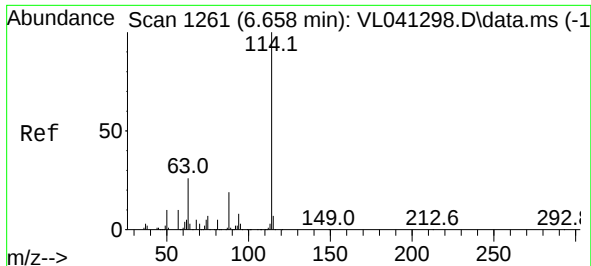
Ion Ratio Lower Upper

97 100

99 64.4 51.9 77.9

61 53.0 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

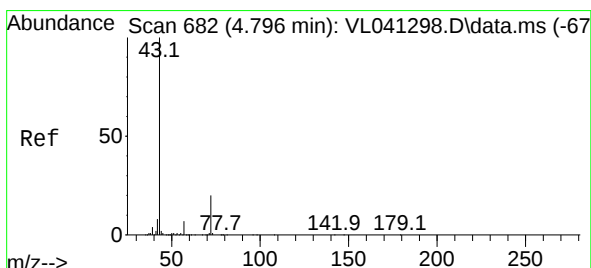
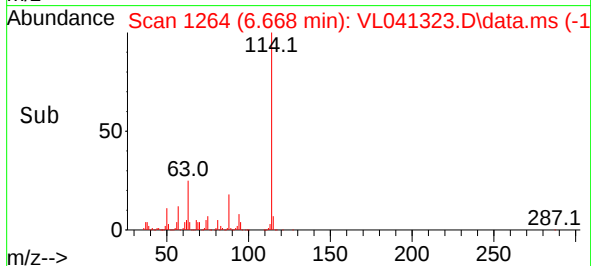
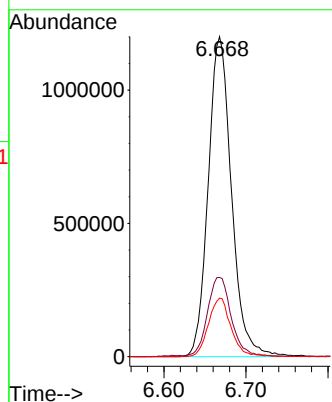
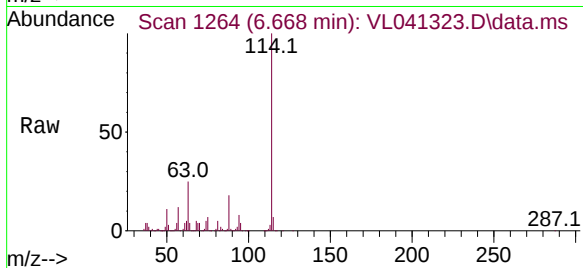
Tgt Ion:114 Resp: 2367866

Ion Ratio Lower Upper

114 100

63 26.0 20.6 30.8

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 10.580 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.010 min

Lab File: VL041323.D

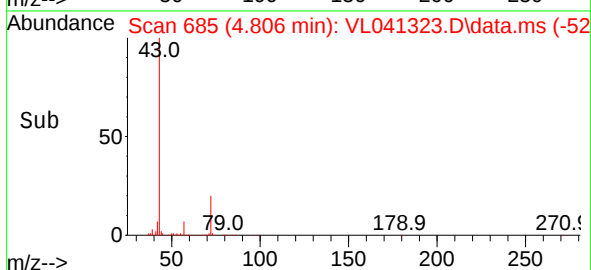
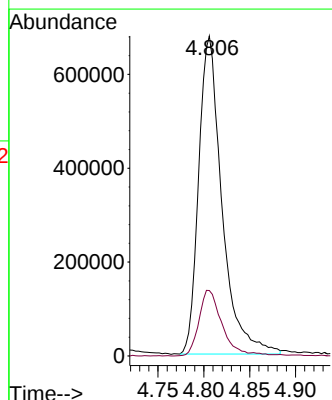
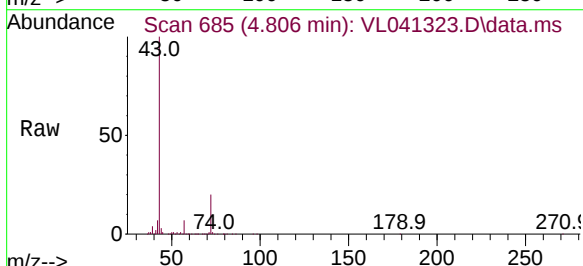
Acq: 5 Jun 2024 12:06

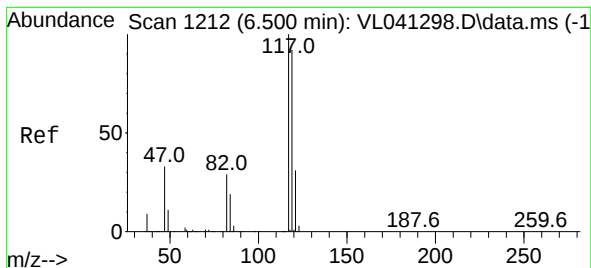
Tgt Ion: 43 Resp: 1200209

Ion Ratio Lower Upper

43 100

72 21.1 17.4 26.0





#35

Carbon Tetrachloride

Concen: 10.674 ppbv

RT: 6.507 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

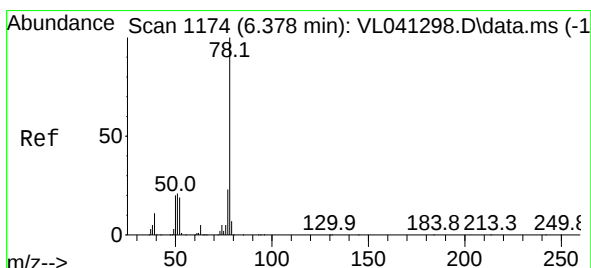
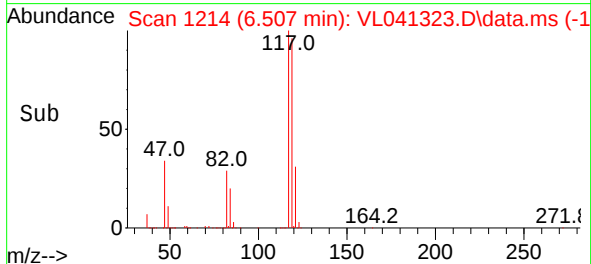
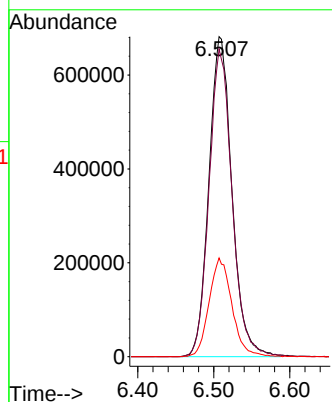
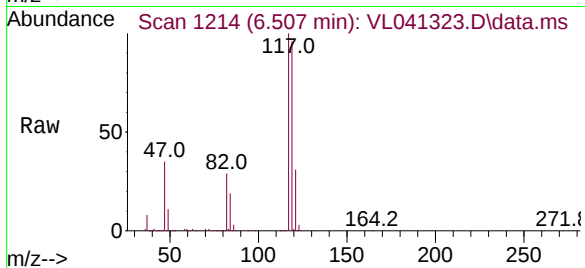
Tgt Ion:117 Resp: 1436456

Ion Ratio Lower Upper

117 100

119 96.0 74.0 111.0

121 30.9 24.8 37.2



#36

Benzene

Concen: 10.244 ppbv

RT: 6.385 min Scan# 1176

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

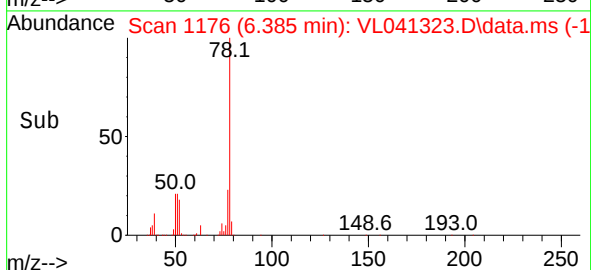
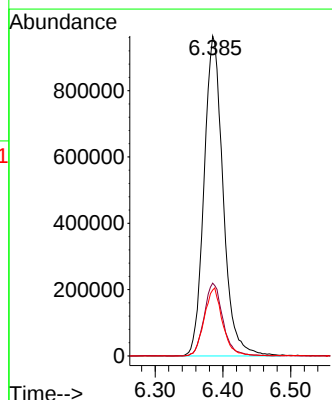
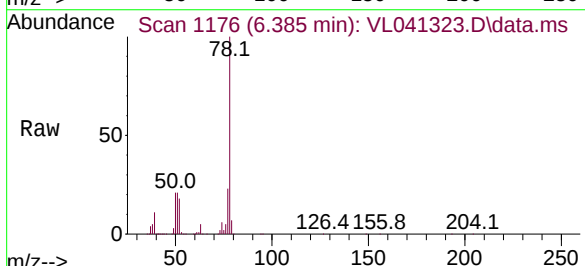
Tgt Ion: 78 Resp: 1880091

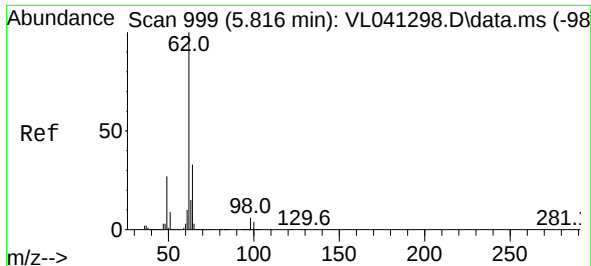
Ion Ratio Lower Upper

78 100

77 22.7 18.6 28.0

50 20.6 16.0 24.0





#37

1,2-Dichloroethane

Concen: 10.215 ppbv

RT: 5.822 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

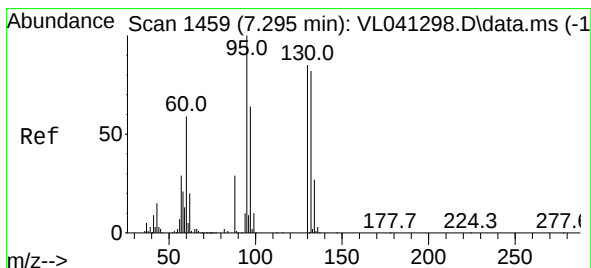
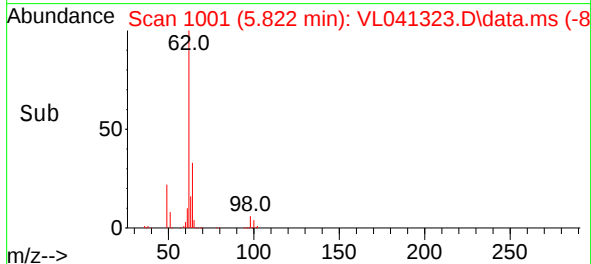
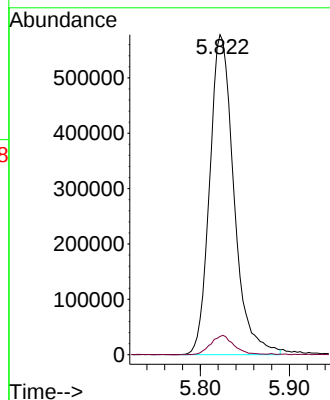
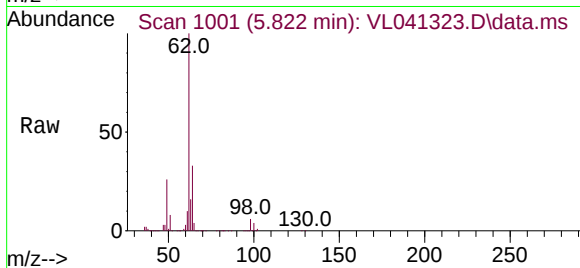
VL0605ABS01

Tgt Ion: 62 Resp: 1093034

Ion Ratio Lower Upper

62 100

98 5.9 4.8 7.2



#38

Trichloroethene

Concen: 9.691 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Tgt Ion:130 Resp: 720798

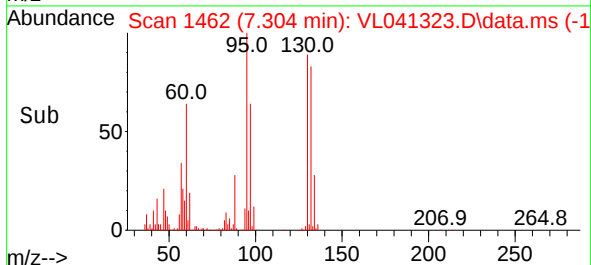
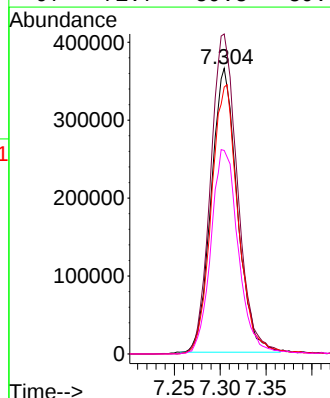
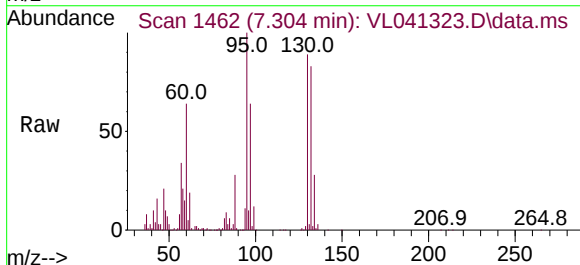
Ion Ratio Lower Upper

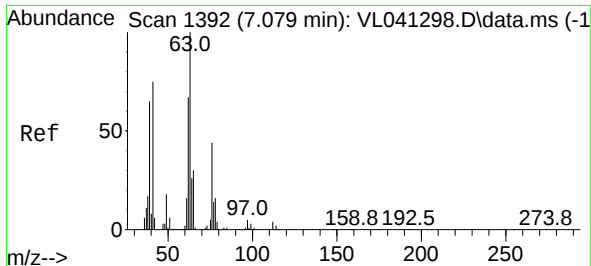
130 100

95 112.4 94.0 141.0

132 94.0 76.7 115.1

97 71.7 59.8 89.8

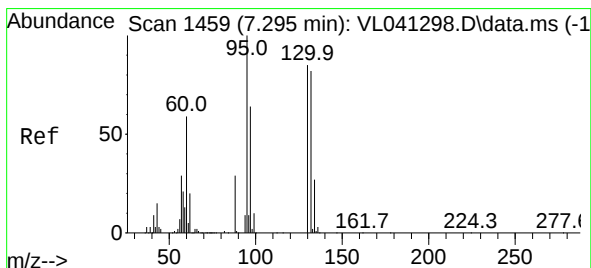
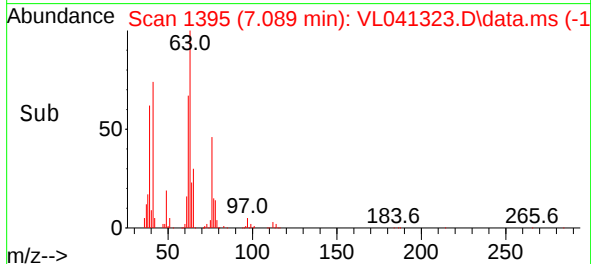
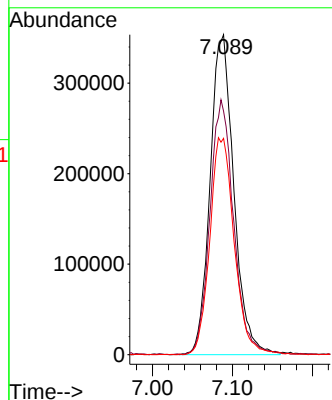
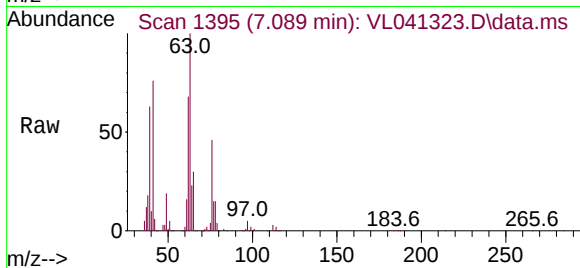




#39
1,2-Dichloropropane
Concen: 9.969 ppbv
RT: 7.089 min Scan# 1459
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

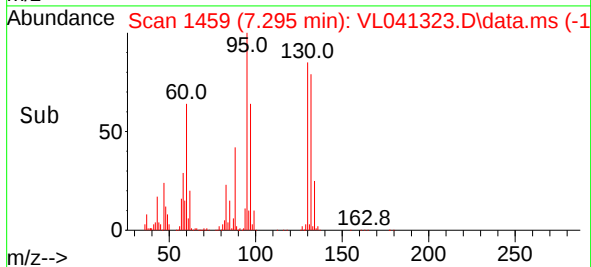
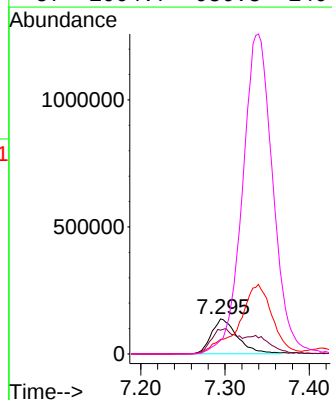
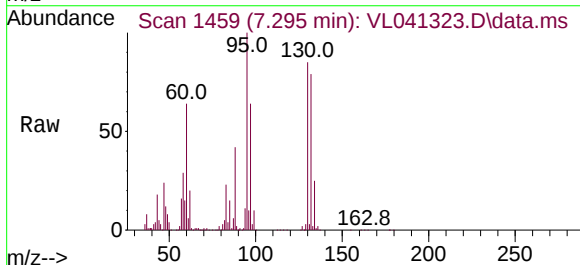
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

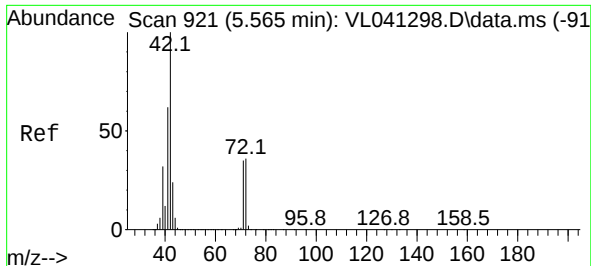
Tgt Ion: 63 Resp: 728522
Ion Ratio Lower Upper
63 100
41 76.0 59.9 89.9
62 67.4 53.8 80.6



#40
1,4-Dioxane
Concen: 11.121 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 88 Resp: 297649
Ion Ratio Lower Upper
88 100
58 123.2 107.5 161.3
43 254.5 221.8 332.6
57 1064.7 936.3 1404.5





#41

Tetrahydrofuran

Concen: 10.375 ppbv

RT: 5.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

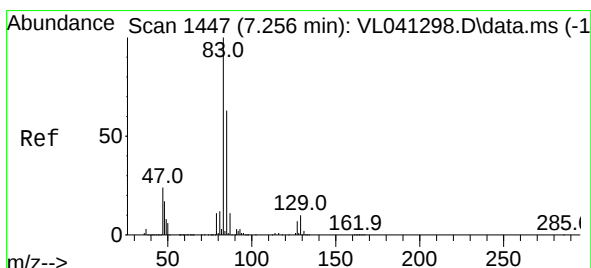
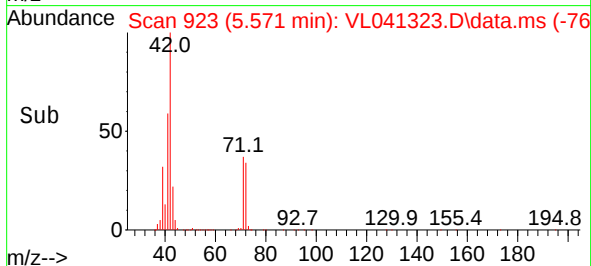
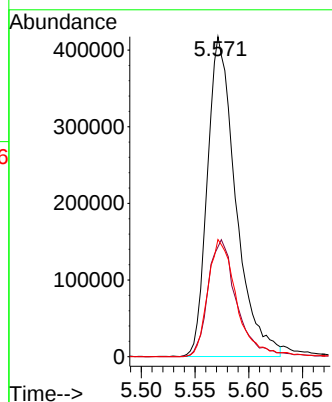
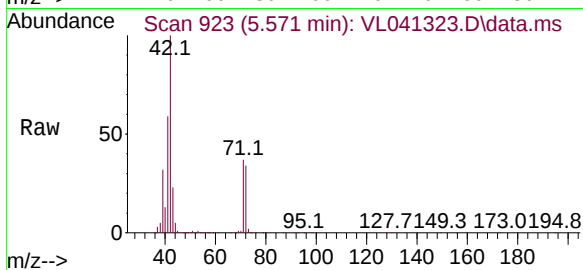
Tgt Ion: 42 Resp: 765800

Ion Ratio Lower Upper

42 100

72 37.6 30.2 45.4

71 37.9 30.3 45.5



#42

Bromodichloromethane

Concen: 10.299 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.003 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

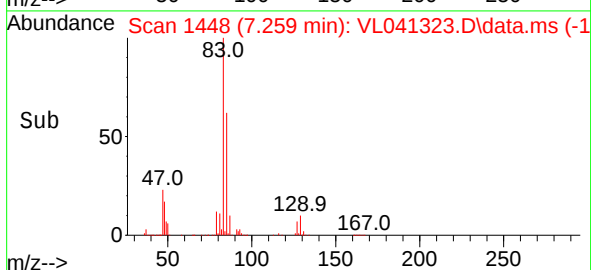
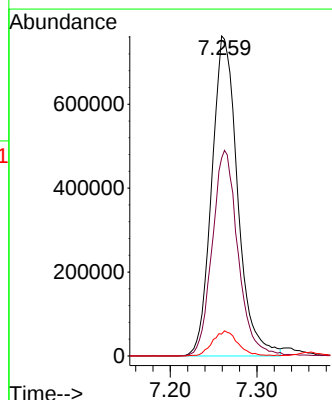
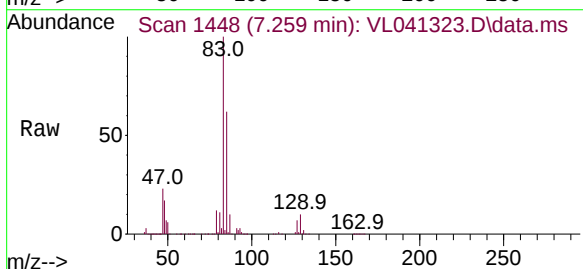
Tgt Ion: 83 Resp: 1582673

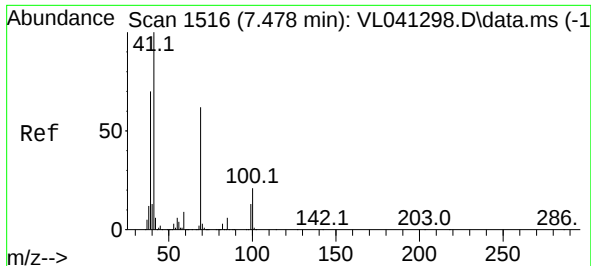
Ion Ratio Lower Upper

83 100

85 61.8 50.6 75.8

127 6.9 5.6 8.4





#43

Methyl Methacrylate

Concen: 10.919 ppbv

RT: 7.488 min Scan# 1516

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_1

ClientSampleId :

VL0605ABS01

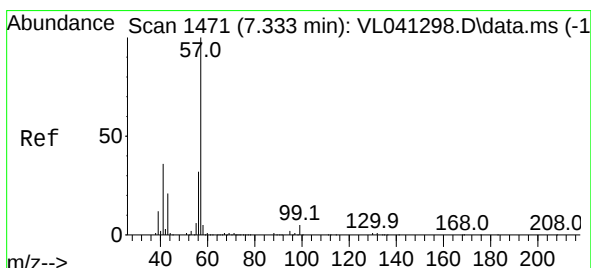
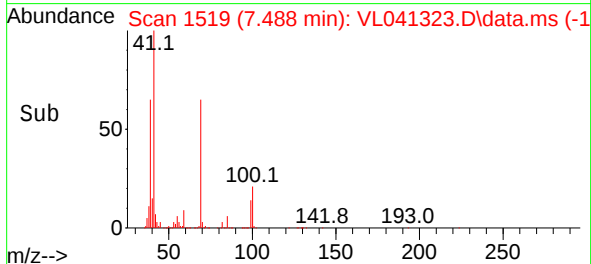
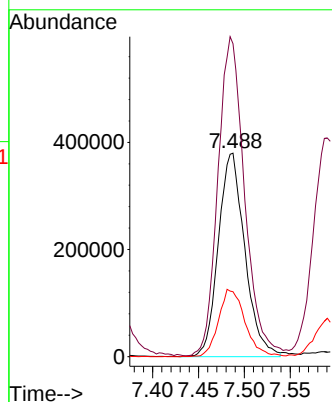
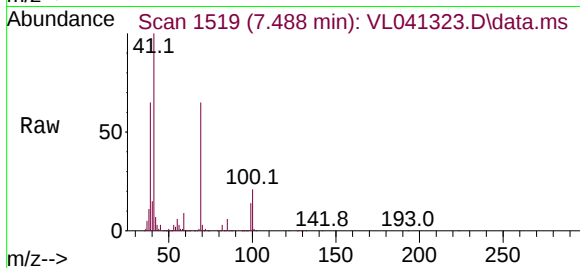
Tgt Ion: 69 Resp: 763571

Ion Ratio Lower Upper

69 100

41 158.9 125.8 188.6

100 33.0 27.0 40.6



#44

2,2,4-Trimethylpentane

Concen: 10.011 ppbv

RT: 7.340 min Scan# 1473

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

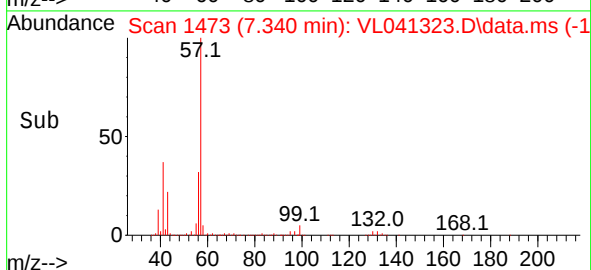
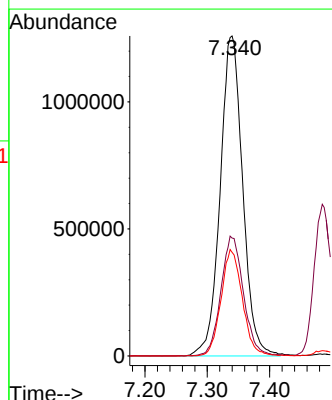
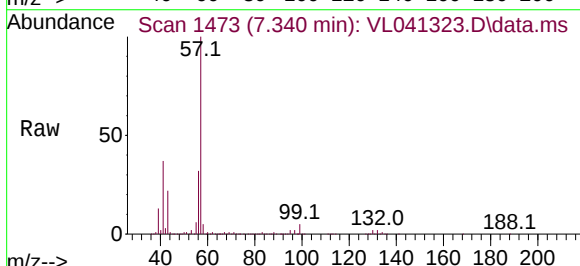
Tgt Ion: 57 Resp: 3160096

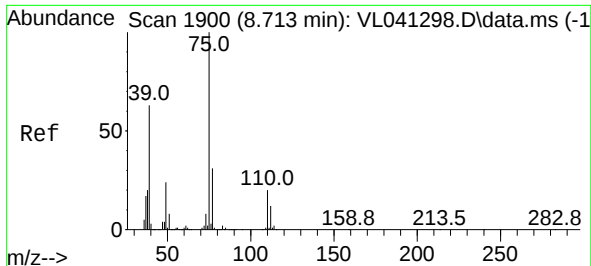
Ion Ratio Lower Upper

57 100

41 37.5 29.4 44.2

56 31.6 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 10.098 ppbv

RT: 8.716 min Scan# 1900

Delta R.T. 0.003 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

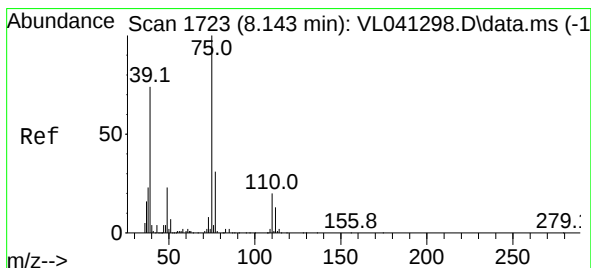
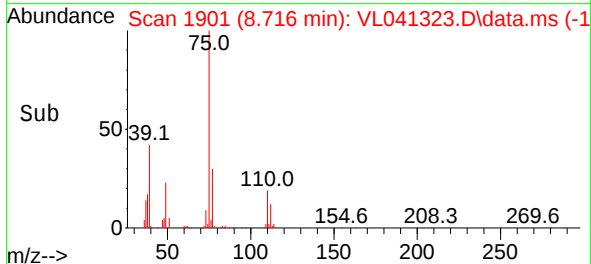
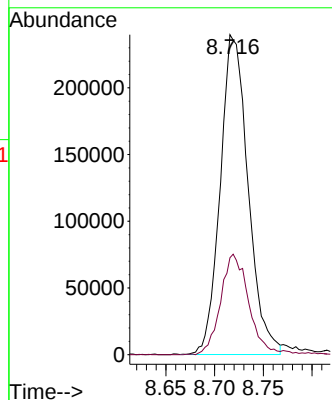
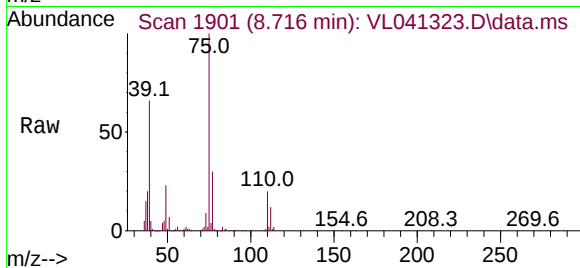
VL0605ABS01

Tgt Ion: 75 Resp: 476478

Ion Ratio Lower Upper

75 100

77 30.3 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 9.931 ppbv

RT: 8.153 min Scan# 1726

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

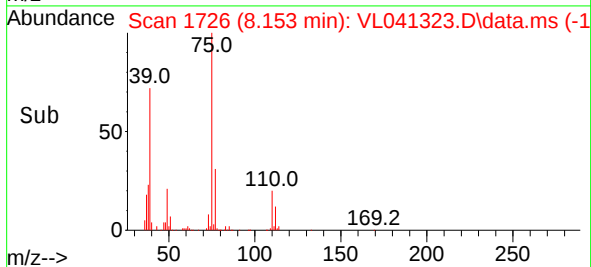
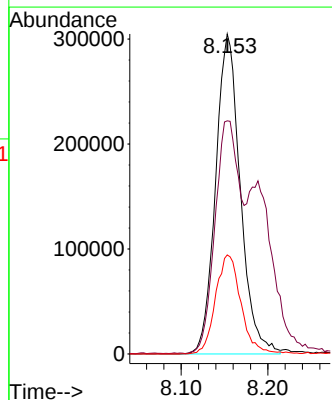
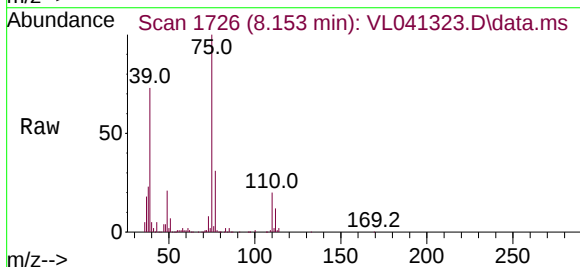
Tgt Ion: 75 Resp: 603227

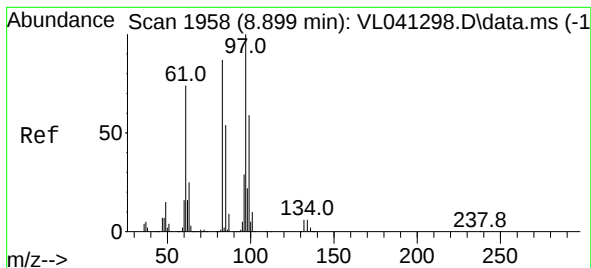
Ion Ratio Lower Upper

75 100

39 72.6 59.2 88.8

77 30.9 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 10.216 ppbv

RT: 8.909 min Scan# 1958

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

Tgt Ion: 97 Resp: 780182

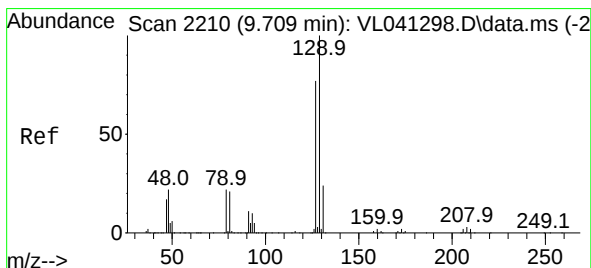
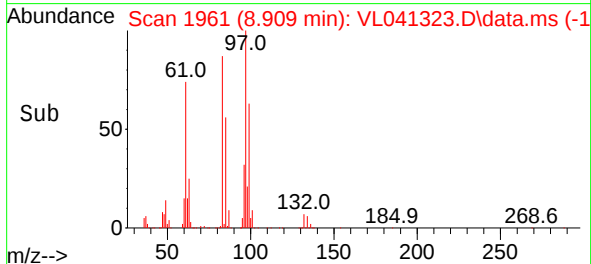
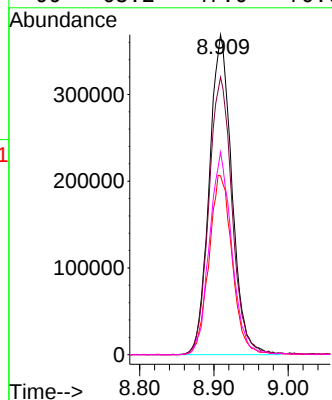
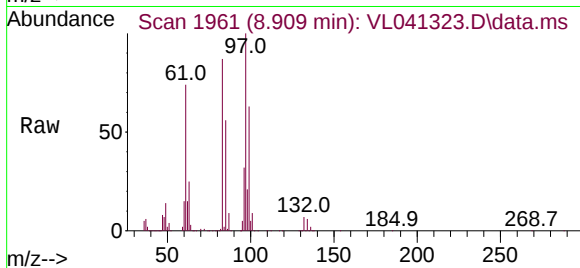
Ion Ratio Lower Upper

97 100

83 86.6 69.7 104.5

85 55.9 43.1 64.7

99 63.2 47.0 70.6



#48

Dibromochloromethane

Concen: 10.450 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.010 min

Lab File: VL041323.D

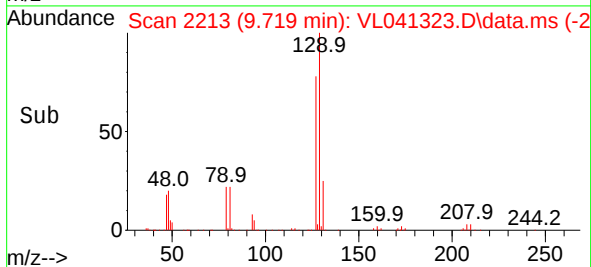
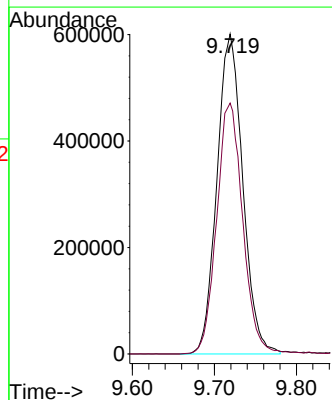
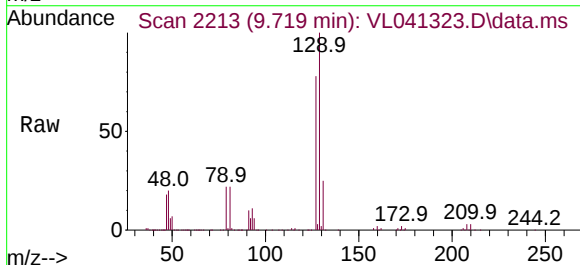
Acq: 5 Jun 2024 12:06

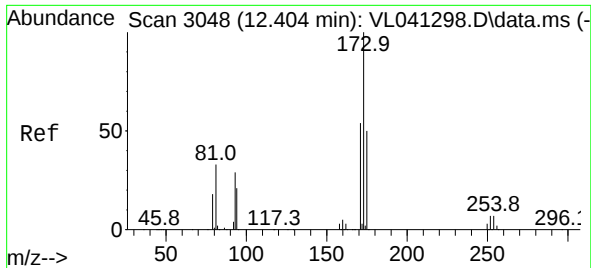
Tgt Ion:129 Resp: 1315227

Ion Ratio Lower Upper

129 100

127 79.7 39.1 117.5





#49

Bromoform

Concen: 11.035 ppbv

RT: 12.410 min Scan# 3048

Delta R.T. 0.007 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

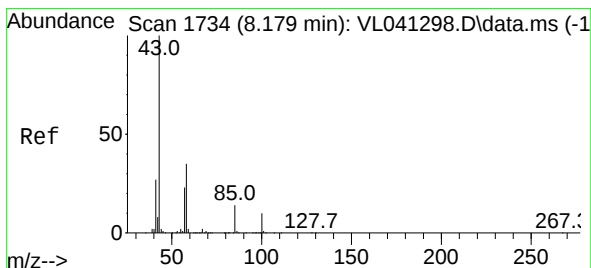
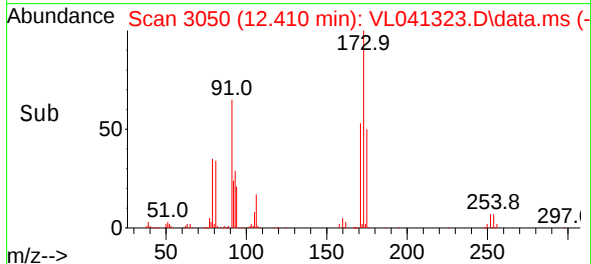
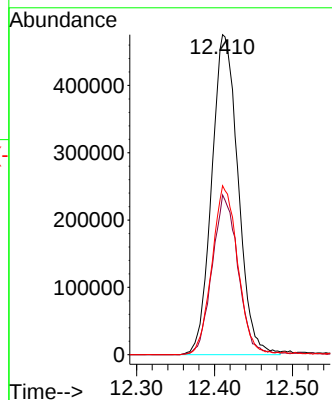
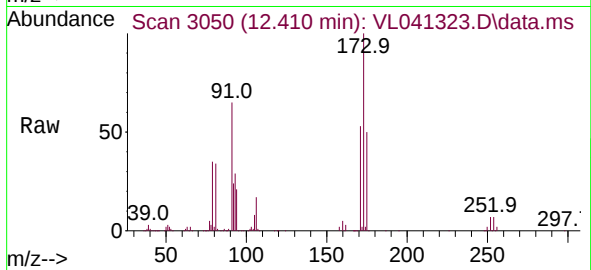
Tgt Ion:173 Resp: 1119234

Ion Ratio Lower Upper

173 100

175 49.7 39.9 59.9

171 52.6 42.6 63.8



#50

4-Methyl-2-Pentanone

Concen: 10.554 ppbv

RT: 8.189 min Scan# 1737

Delta R.T. 0.010 min

Lab File: VL041323.D

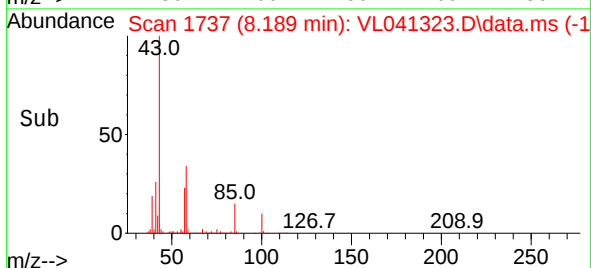
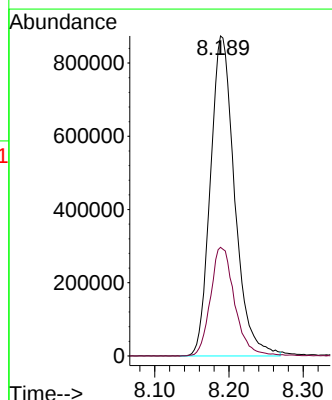
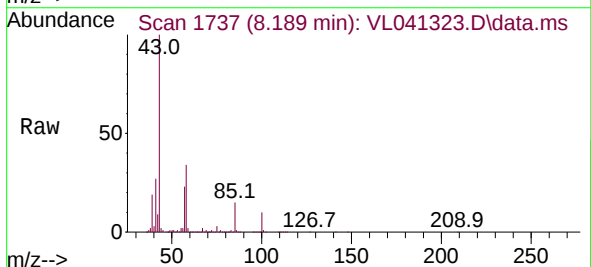
Acq: 5 Jun 2024 12:06

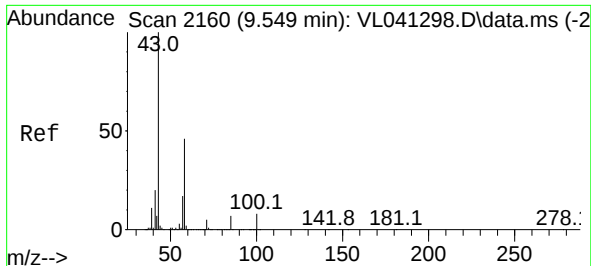
Tgt Ion: 43 Resp: 1981847

Ion Ratio Lower Upper

43 100

58 34.0 27.7 41.5

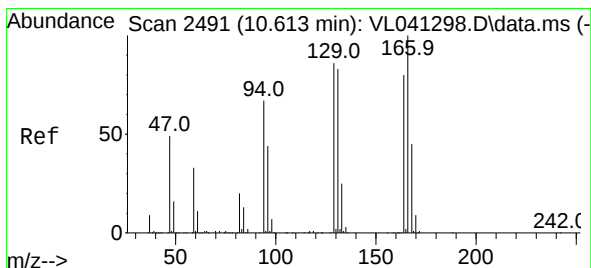
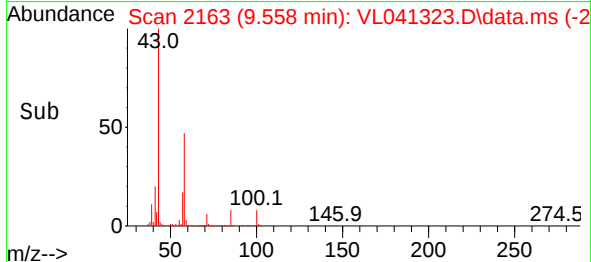
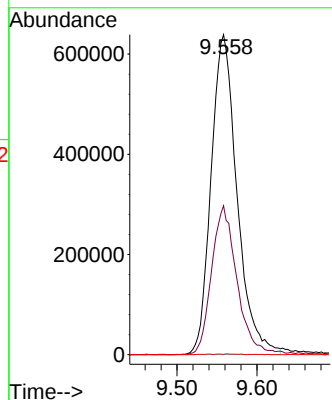
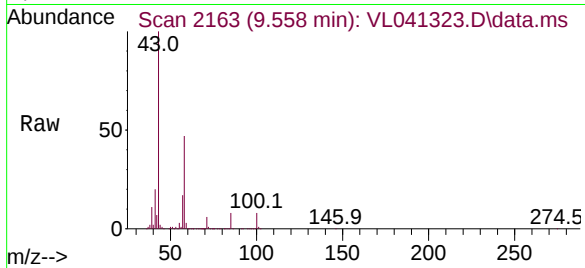




#51
2-Hexanone
Concen: 10.753 ppbv
RT: 9.558 min Scan# 2163
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

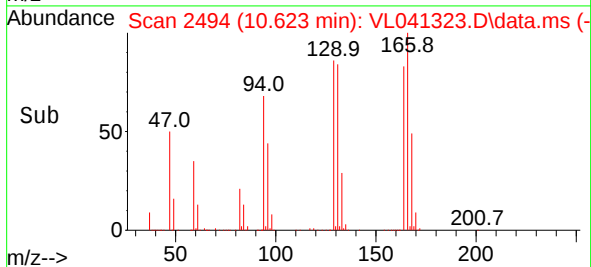
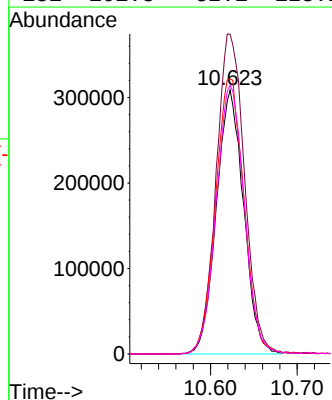
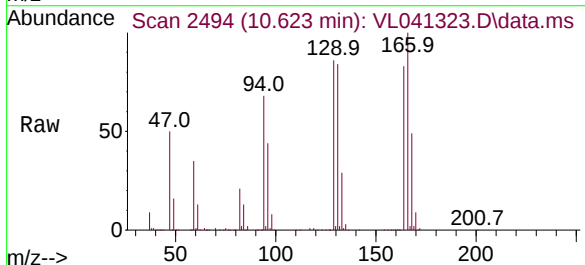
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

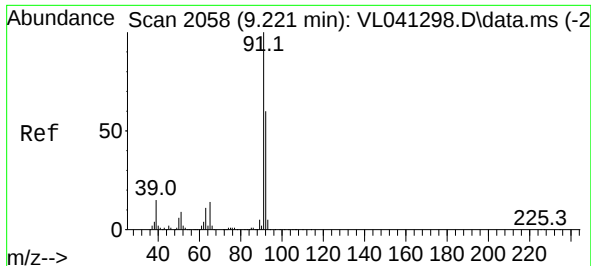
Tgt Ion: 43 Resp: 1435153
Ion Ratio Lower Upper
43 100
58 46.3 37.4 56.0
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 10.057 ppbv
RT: 10.623 min Scan# 2494
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion:164 Resp: 673153
Ion Ratio Lower Upper
164 100
166 121.2 99.4 149.0
129 104.1 85.4 128.2
131 101.8 82.1 123.1





#53

Toluene

Concen: 10.407 ppbv

RT: 9.227 min Scan# 2058

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

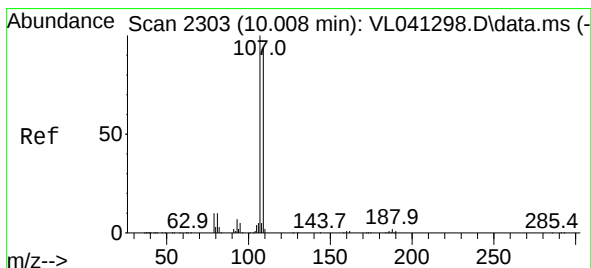
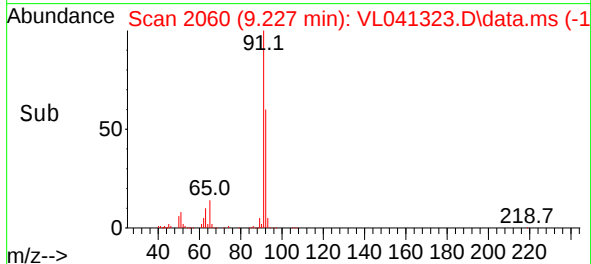
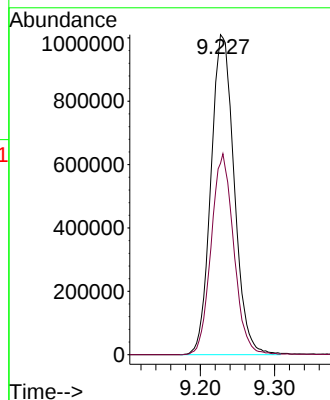
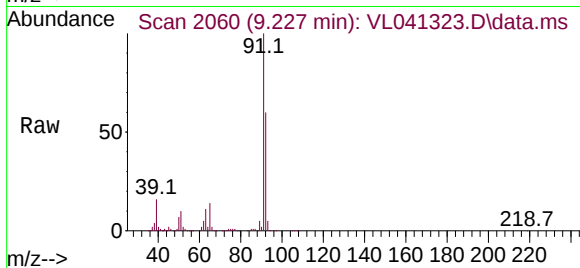
VL0605ABS01

Tgt Ion: 91 Resp: 2196906

Ion Ratio Lower Upper

91 100

92 61.2 49.2 73.8



#54

1,2-Dibromoethane

Concen: 10.299 ppbv

RT: 10.018 min Scan# 2306

Delta R.T. 0.010 min

Lab File: VL041323.D

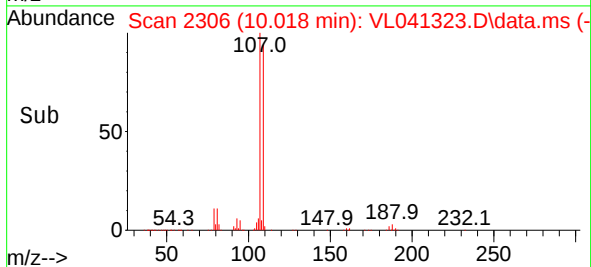
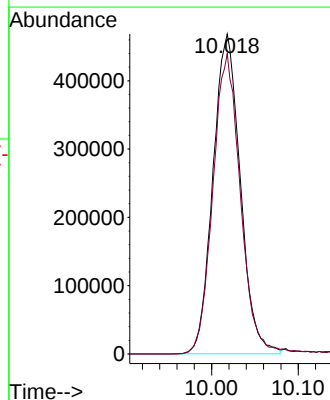
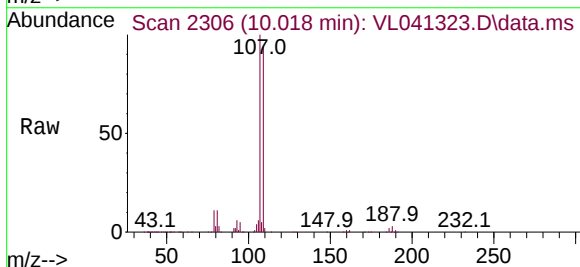
Acq: 5 Jun 2024 12:06

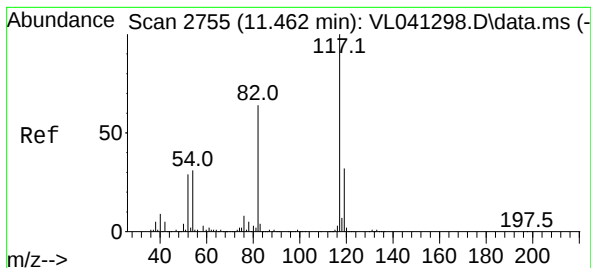
Tgt Ion:107 Resp: 1025390

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_1

ClientSampleId :

VL0605ABS01

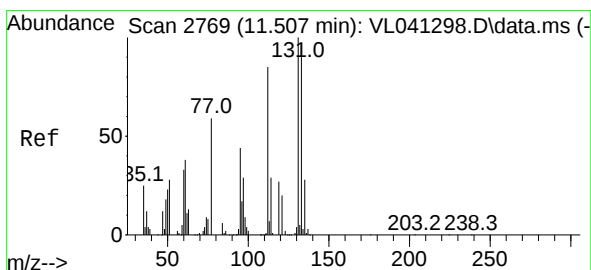
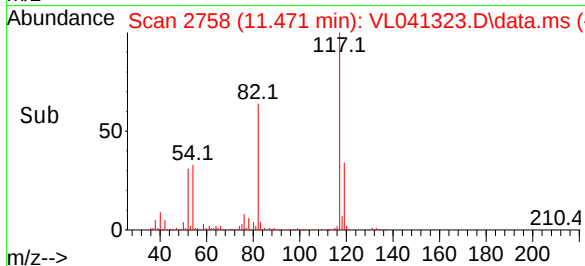
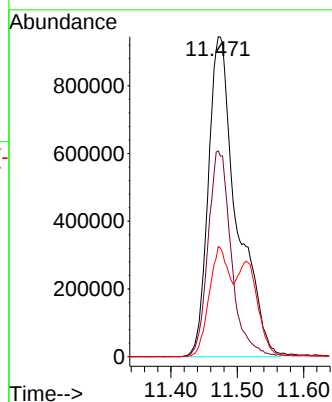
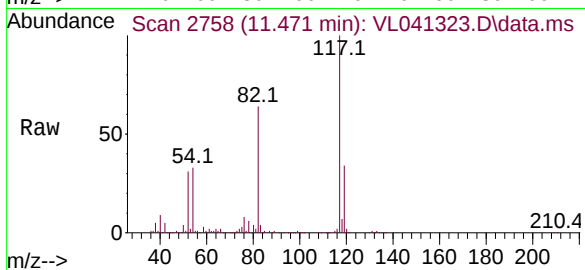
Tgt Ion:117 Resp: 2831437

Ion Ratio Lower Upper

117 100

82 52.4 52.3 78.5

119 26.5 26.2 39.2



#56

1,1,1,2-Tetrachloroethane

Concen: 8.121 ppbv

RT: 11.516 min Scan# 2772

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

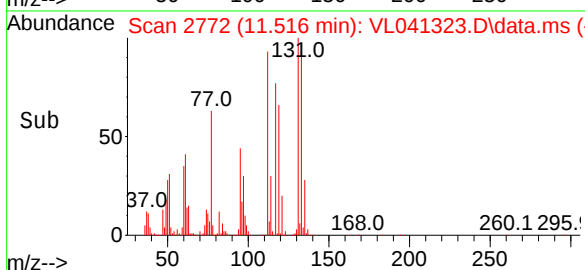
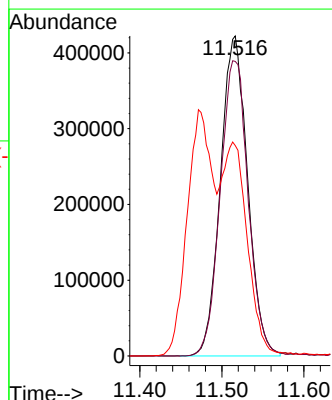
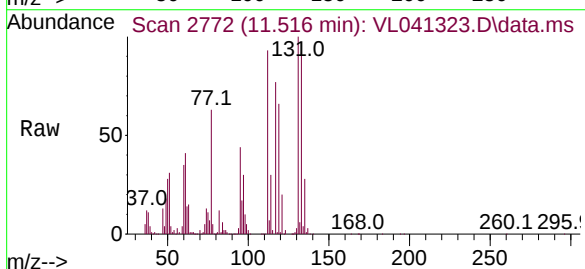
Tgt Ion:131 Resp: 972609

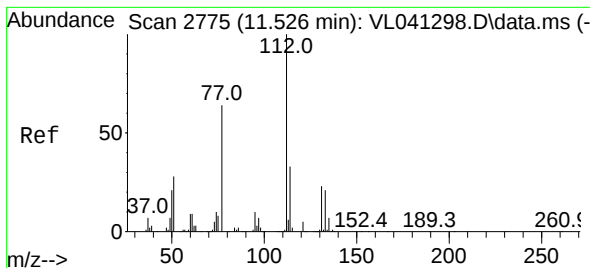
Ion Ratio Lower Upper

131 100

133 95.6 75.8 113.6

119 59.7 48.3 72.5

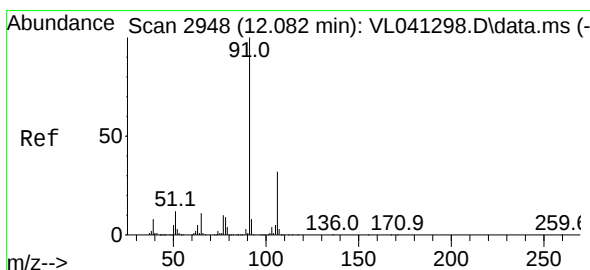
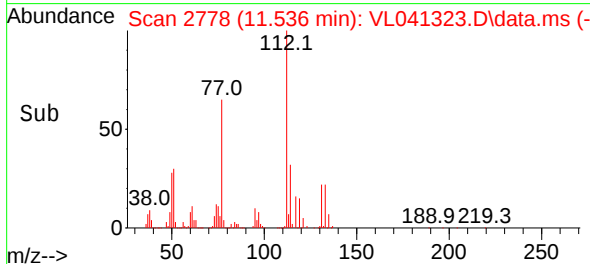
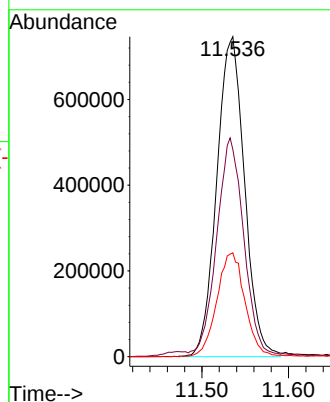
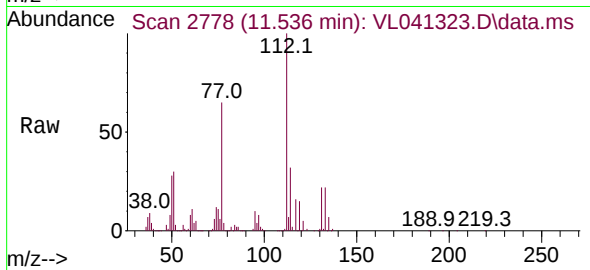




#57
Chlorobenzene
Concen: 7.916 ppbv
RT: 11.536 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

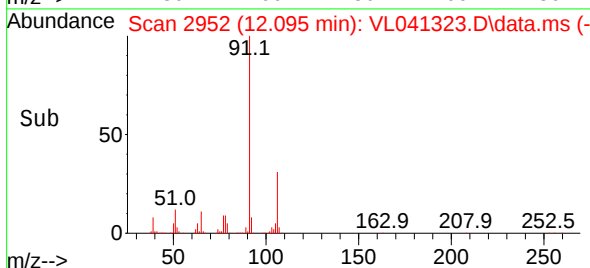
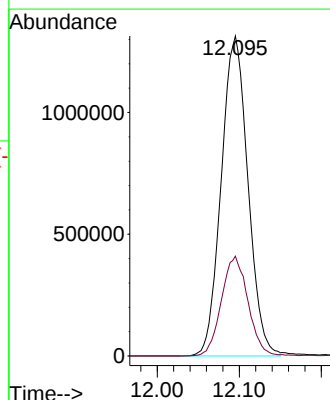
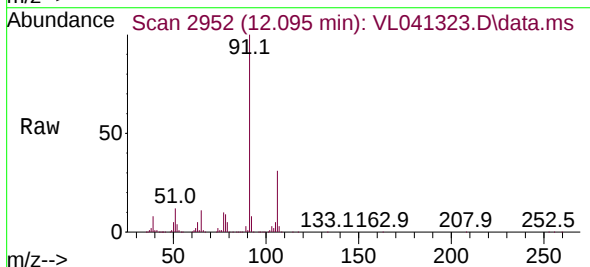
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

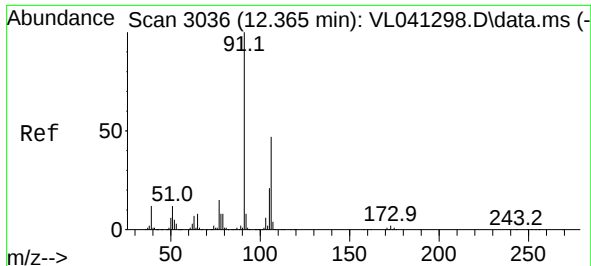
Tgt Ion:112 Resp: 1665011
Ion Ratio Lower Upper
112 100
77 63.9 52.0 78.0
114 32.2 29.8 36.4



#58
Ethyl Benzene
Concen: 8.192 ppbv
RT: 12.095 min Scan# 2952
Delta R.T. 0.013 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 91 Resp: 2973152
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3





#59

m/p-Xylene

Concen: 9.644 ppbv

RT: 12.375 min Scan# 3036

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

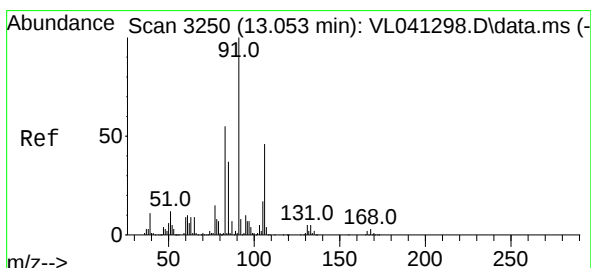
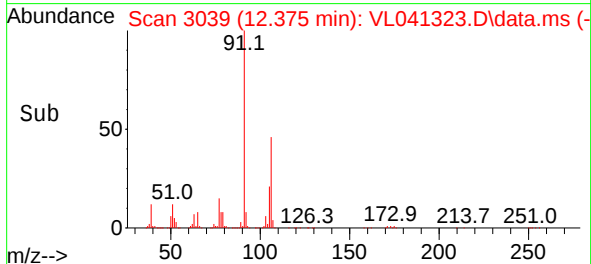
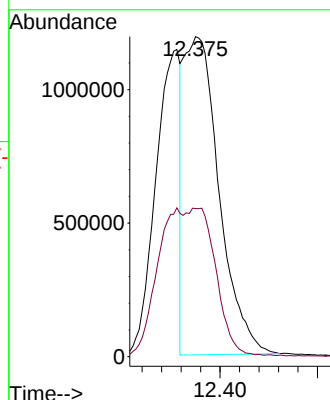
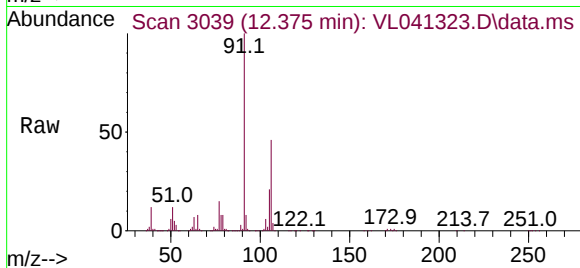
VL0605ABS01

Tgt Ion: 91 Resp: 2998767

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#



#60

o-Xylene

Concen: 8.114 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.010 min

Lab File: VL041323.D

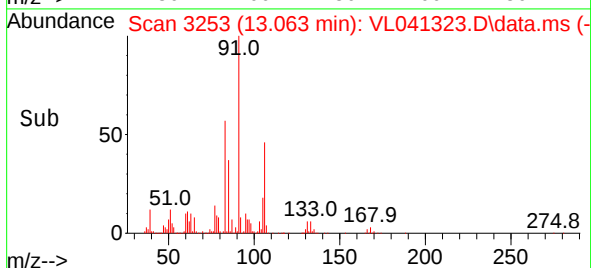
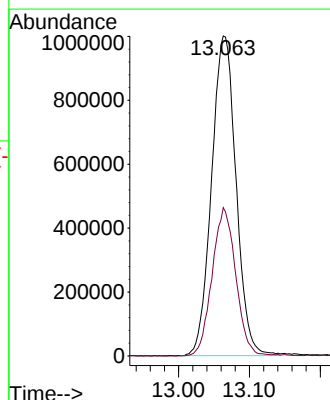
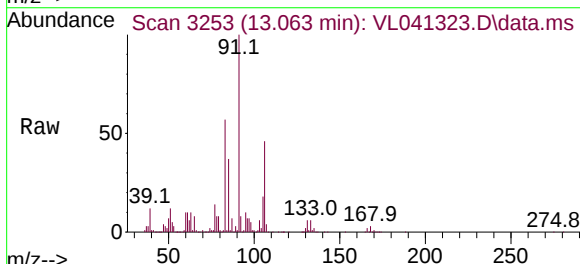
Acq: 5 Jun 2024 12:06

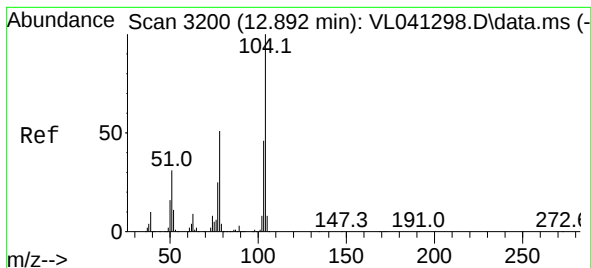
Tgt Ion: 91 Resp: 2405232

Ion Ratio Lower Upper

91 100

106 45.0 22.8 68.4





#61

Styrene

Concen: 8.854 ppbv

RT: 12.902 min Scan# 31

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

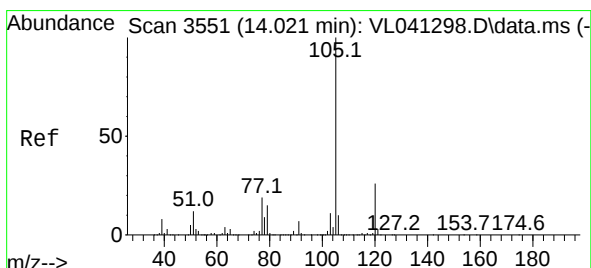
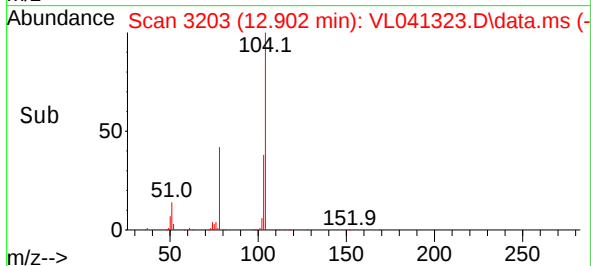
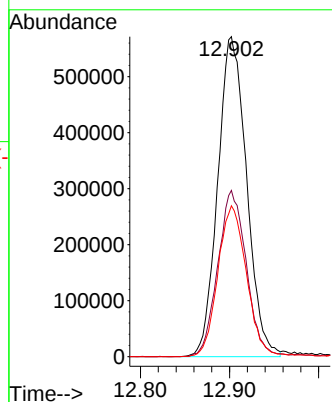
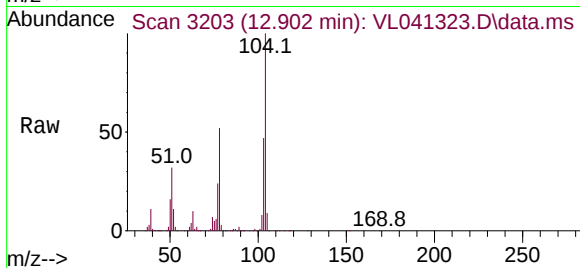
Tgt Ion:104 Resp: 1286843

Ion Ratio Lower Upper

104 100

78 51.8 42.2 63.4

103 47.1 37.9 56.9



#62

Isopropylbenzene

Concen: 8.005 ppbv

RT: 14.034 min Scan# 3555

Delta R.T. 0.013 min

Lab File: VL041323.D

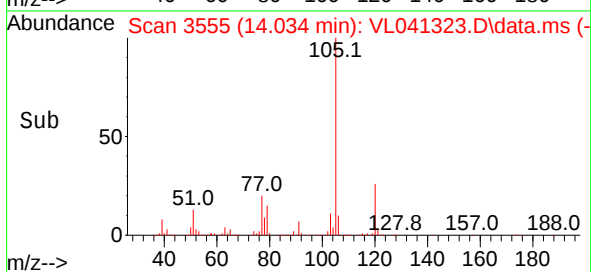
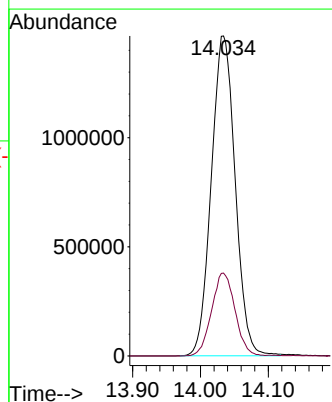
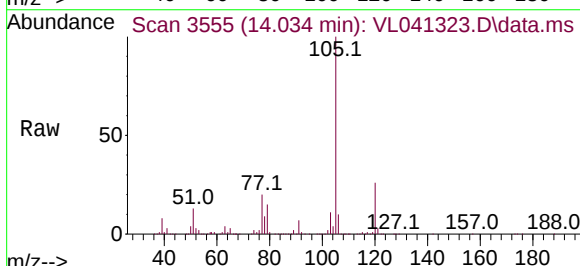
Acq: 5 Jun 2024 12:06

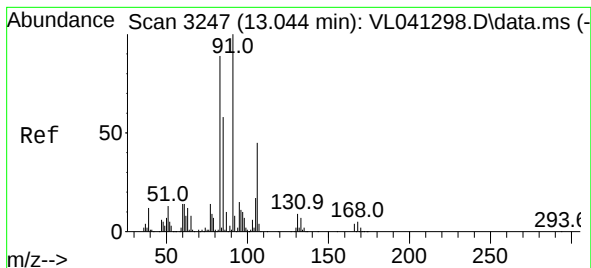
Tgt Ion:105 Resp: 3588972

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 8.146 ppbv

RT: 13.047 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

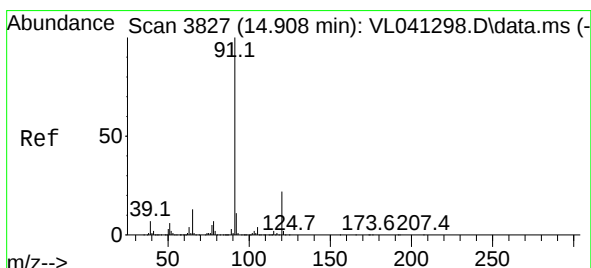
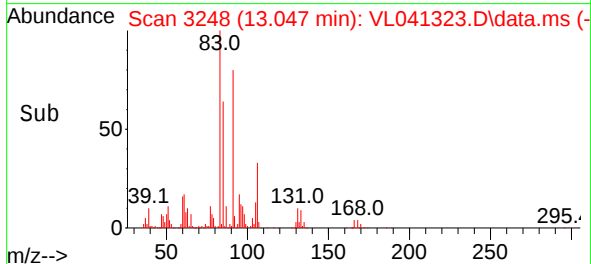
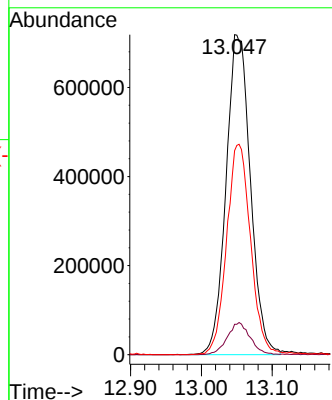
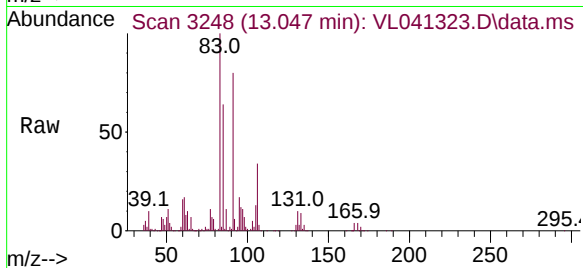
Tgt Ion: 83 Resp: 1718119

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

85 65.5 32.6 97.7



#64

n-propylbenzene

Concen: 8.125 ppbv

RT: 14.918 min Scan# 3830

Delta R.T. 0.010 min

Lab File: VL041323.D

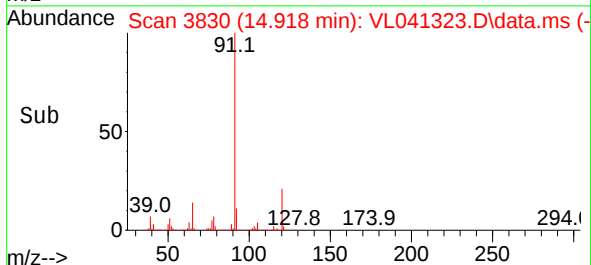
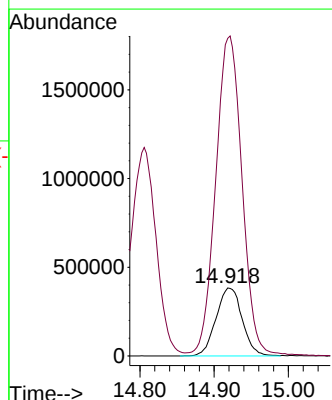
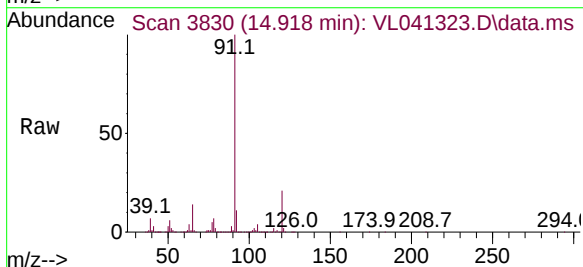
Acq: 5 Jun 2024 12:06

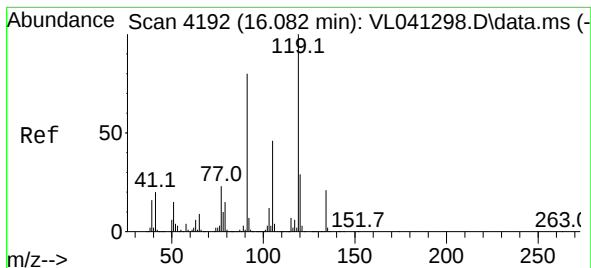
Tgt Ion:120 Resp: 938806

Ion Ratio Lower Upper

120 100

91 475.4 374.2 561.2

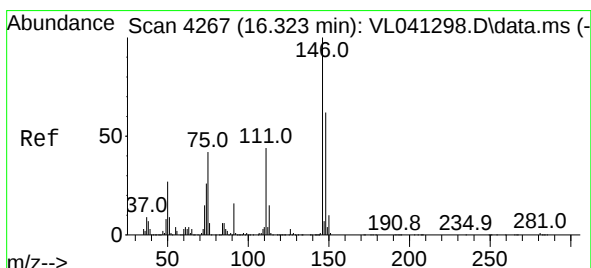
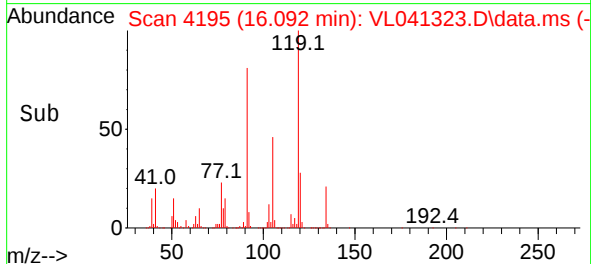
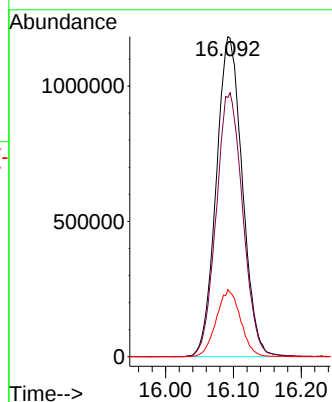
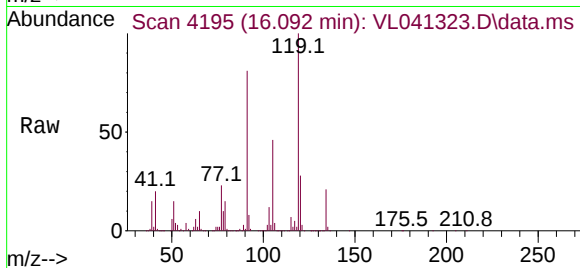




#65
tert-Butylbenzene
Concen: 7.924 ppbv
RT: 16.092 min Scan# 4192
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

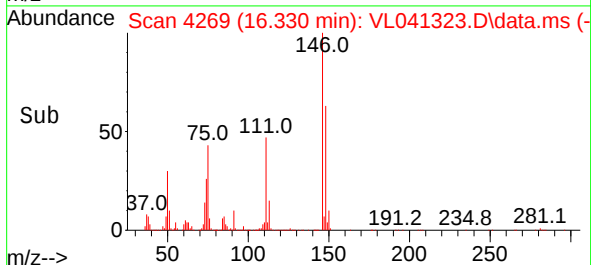
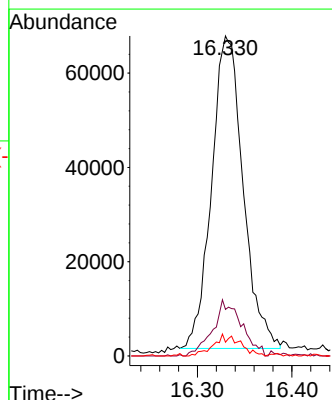
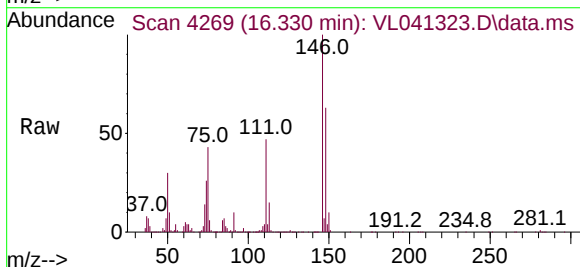
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

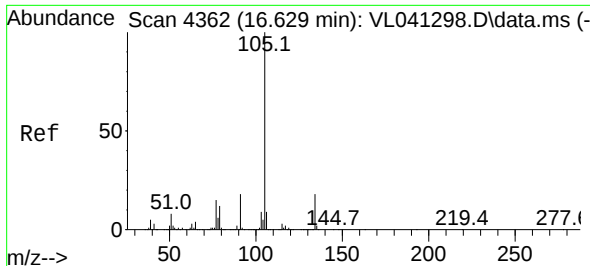
Tgt Ion:119 Resp: 3158172
Ion Ratio Lower Upper
119 100
91 84.1 66.5 99.7
134 19.6 15.7 23.5



#66
Benzyl Chloride
Concen: 5.844 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. 0.007 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion: 91 Resp: 153246
Ion Ratio Lower Upper
91 100
126 16.9 13.4 20.2
128 6.2 4.6 6.8





#67

sec-Butylbenzene

Concen: 8.006 ppbv

RT: 16.642 min Scan# 4366

Delta R.T. 0.013 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_1

ClientSampleId :

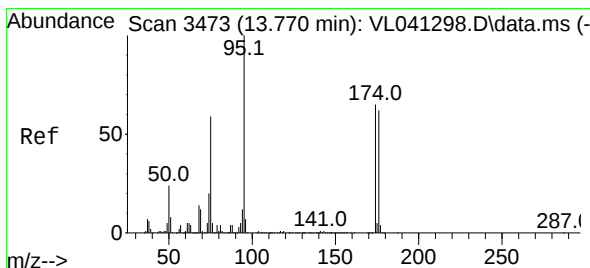
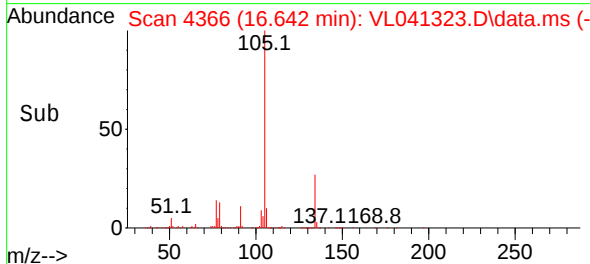
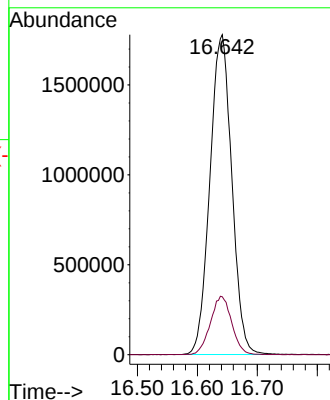
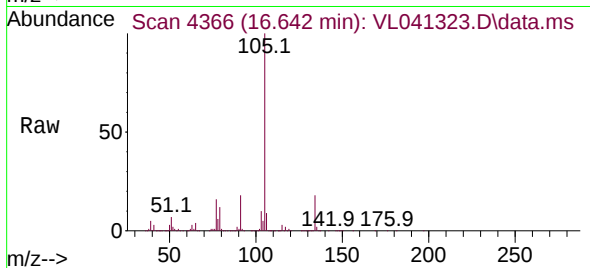
VL0605ABS01

Tgt Ion:105 Resp: 4507998

Ion Ratio Lower Upper

105 100

134 17.8 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 8.117 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

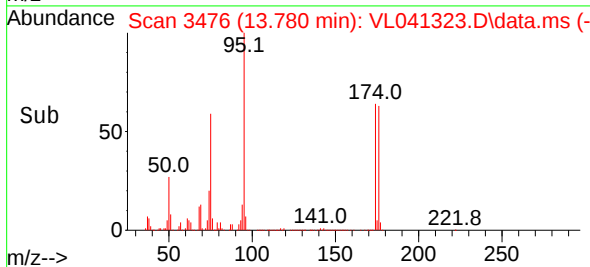
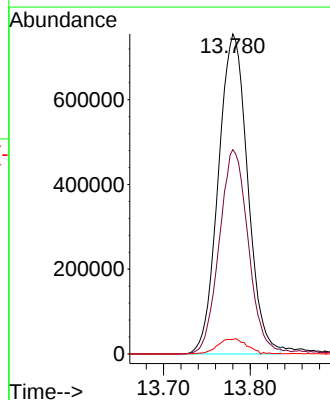
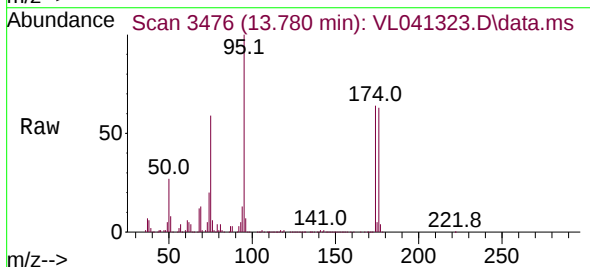
Tgt Ion: 95 Resp: 1774455

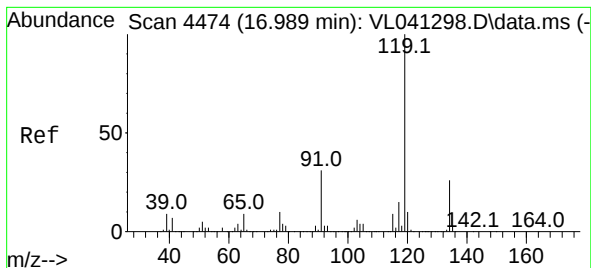
Ion Ratio Lower Upper

95 100

174 64.6 52.2 78.2

175 4.9 4.1 6.1





#69

p-Isopropyltoluene

Concen: 8.120 ppbv

RT: 16.998 min Scan# 4474

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

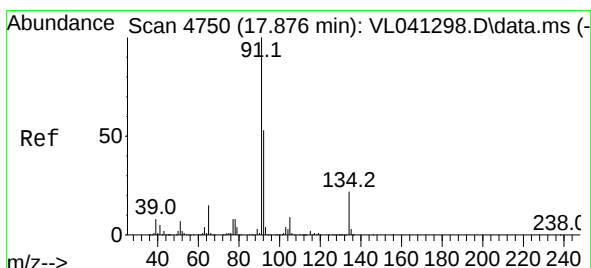
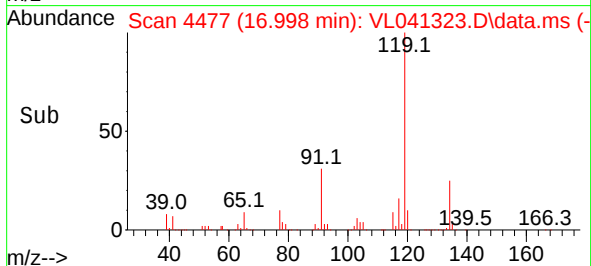
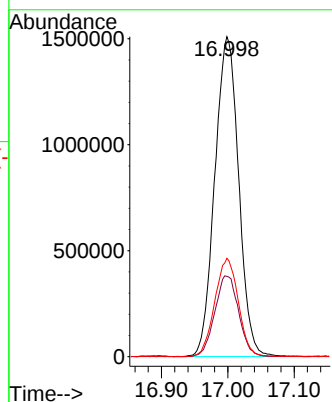
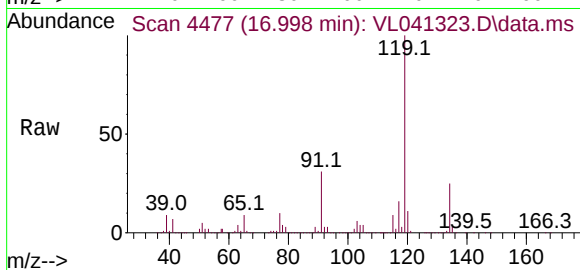
Tgt Ion:119 Resp: 3768133

Ion Ratio Lower Upper

119 100

134 25.3 20.1 30.1

91 30.4 24.1 36.1



#70

n-Butylbenzene

Concen: 8.270 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.013 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

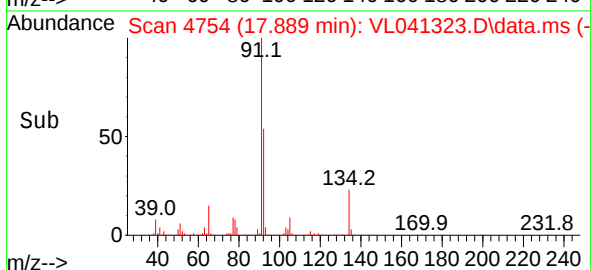
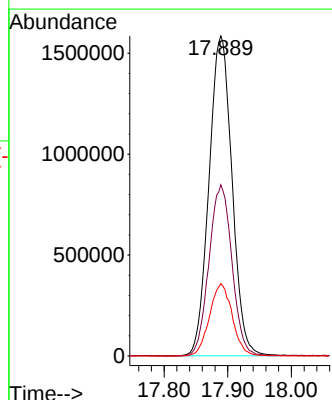
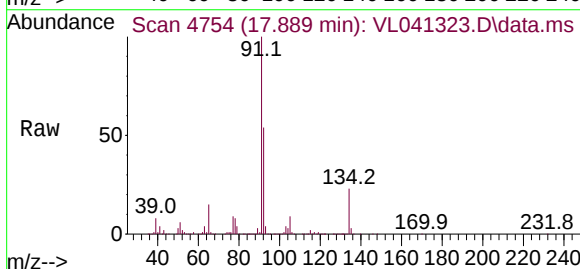
Tgt Ion: 91 Resp: 3981339

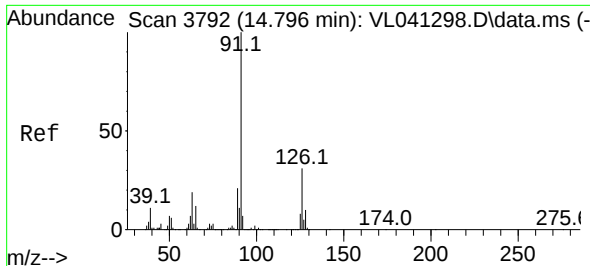
Ion Ratio Lower Upper

91 100

92 53.6 42.9 64.3

134 22.4 17.9 26.9

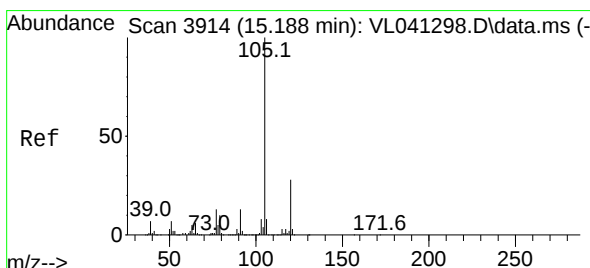
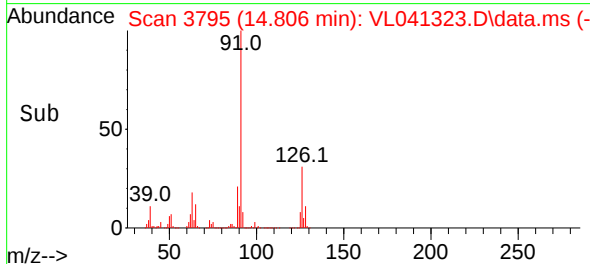
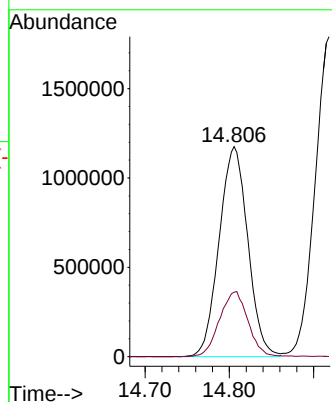
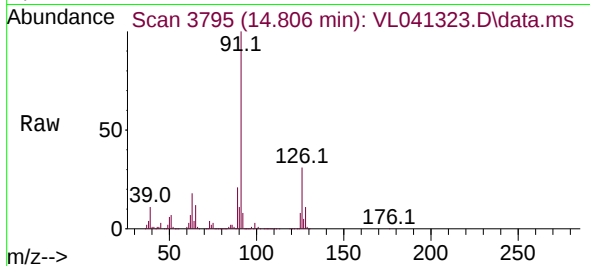




#71
2-Chlorotoluene
Concen: 8.090 ppbv
RT: 14.806 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

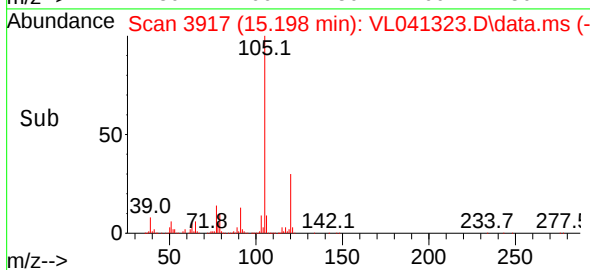
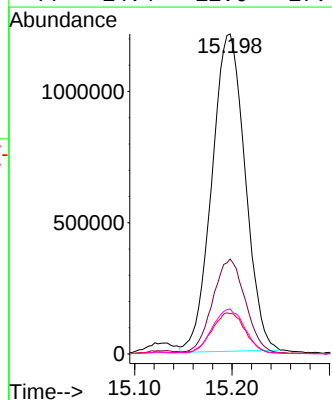
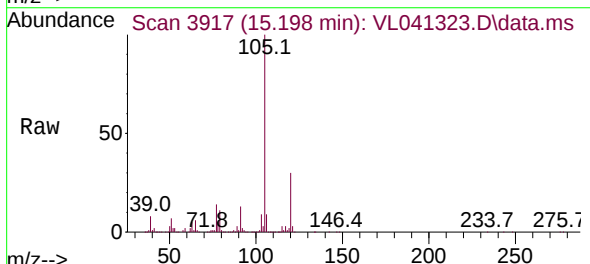
Instrument :
MSVOA_L
ClientSampleId :
VL0605ABS01

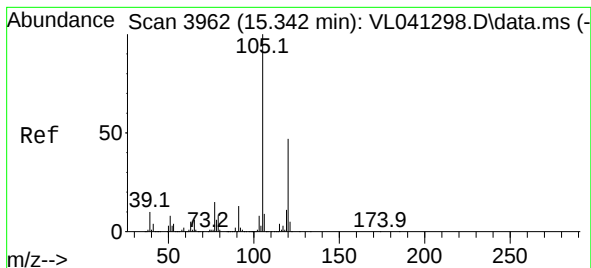
Tgt Ion: 91 Resp: 2775837
Ion Ratio Lower Upper
91 100
126 31.3 12.4 49.8



#72
4-Ethyltoluene
Concen: 8.291 ppbv
RT: 15.198 min Scan# 3917
Delta R.T. 0.010 min
Lab File: VL041323.D
Acq: 5 Jun 2024 12:06

Tgt Ion:105 Resp: 2863513
Ion Ratio Lower Upper
105 100
120 30.9 23.7 35.5
91 13.1 10.6 16.0
77 14.4 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 8.513 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.013 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_1

ClientSampleId :

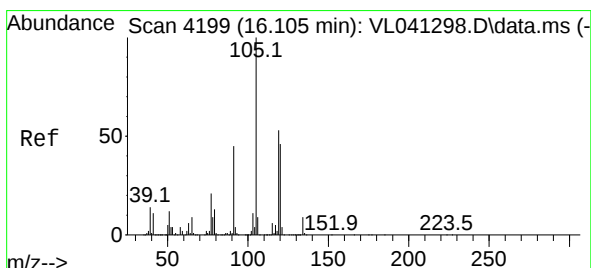
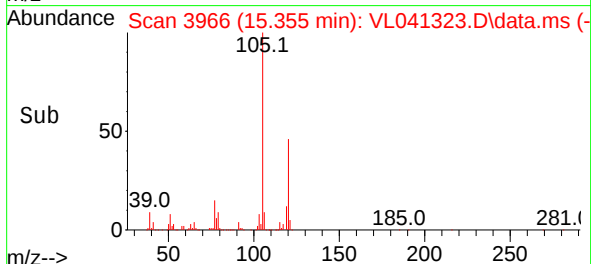
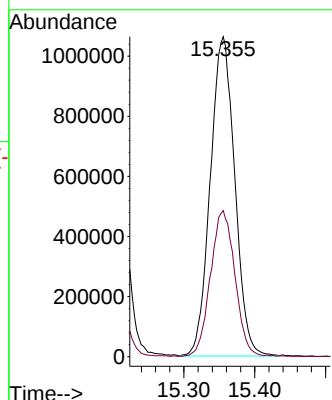
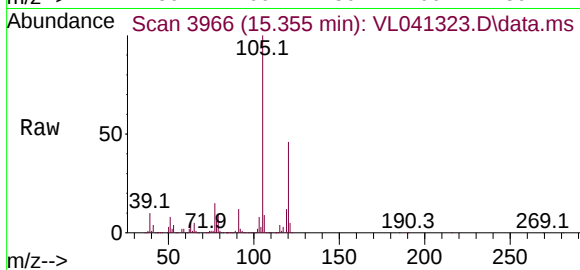
VL0605ABS01

Tgt Ion:105 Resp: 2551890

Ion Ratio Lower Upper

105 100

120 45.6 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 8.160 ppbv

RT: 16.111 min Scan# 4201

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Tgt Ion:105 Resp: 2766288

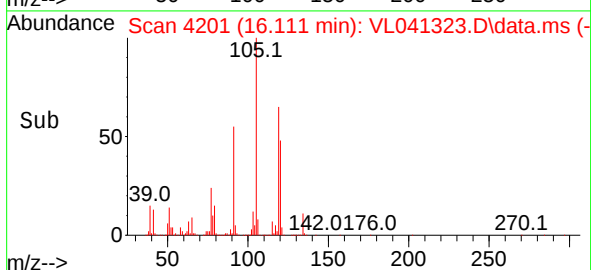
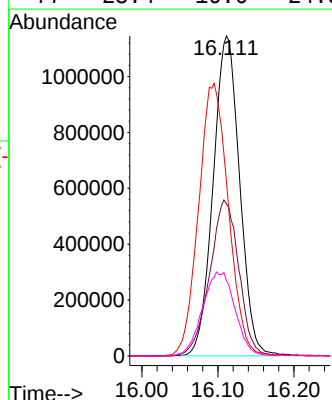
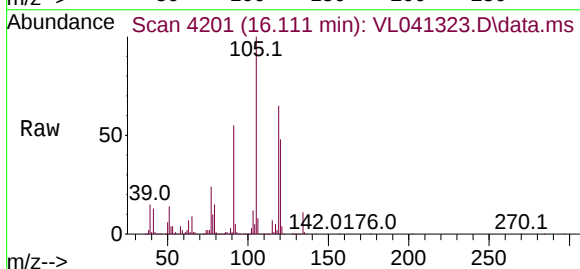
Ion Ratio Lower Upper

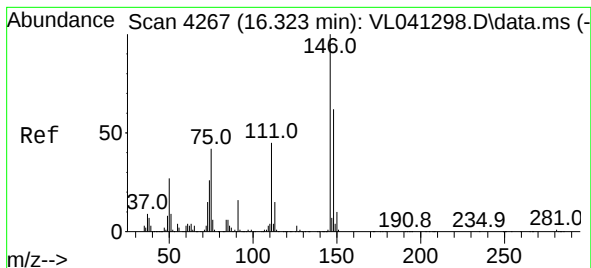
105 100

120 47.2 37.0 55.6

91 54.5 36.2 54.4#

77 23.4 16.6 24.8





#75

1,3-Dichlorobenzene

Concen: 8.332 ppbv

RT: 16.333 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

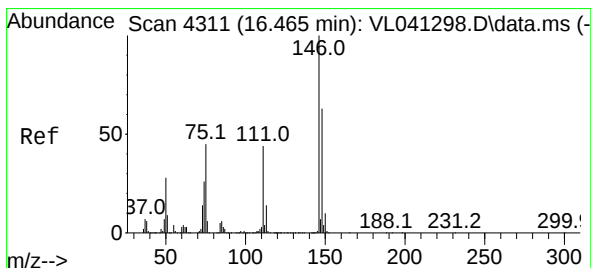
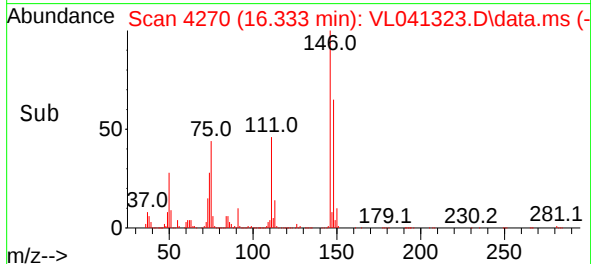
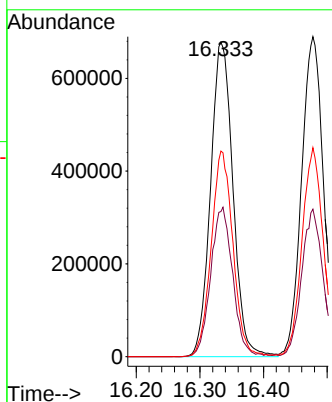
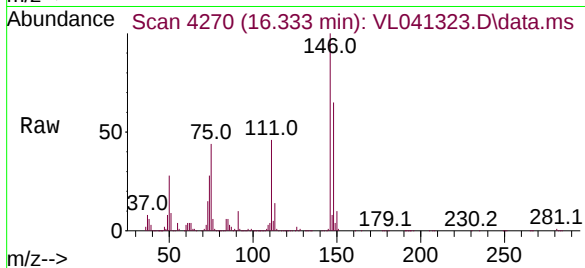
Tgt Ion:146 Resp: 1658089

Ion Ratio Lower Upper

146 100

111 46.8 23.3 69.8

148 63.6 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 8.161 ppbv

RT: 16.478 min Scan# 4315

Delta R.T. 0.013 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

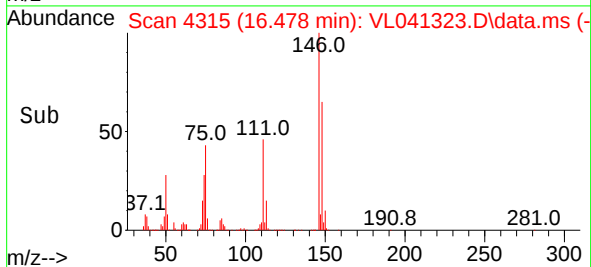
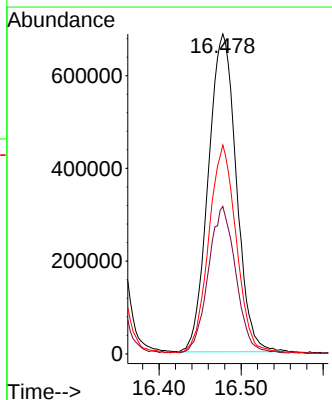
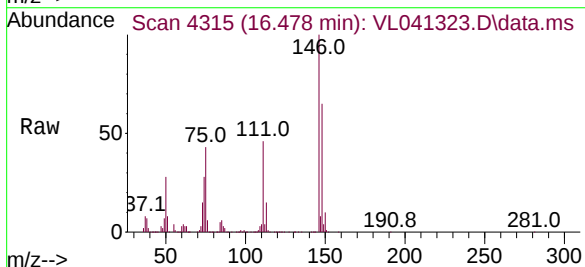
Tgt Ion:146 Resp: 1622776

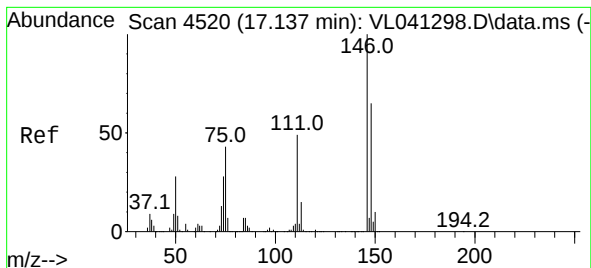
Ion Ratio Lower Upper

146 100

111 46.5 23.3 69.9

148 65.3 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 8.126 ppbv

RT: 17.143 min Scan# 4520

Delta R.T. 0.006 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01

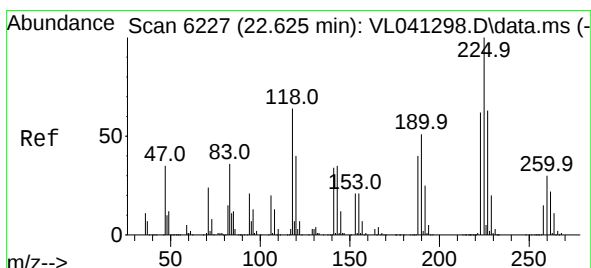
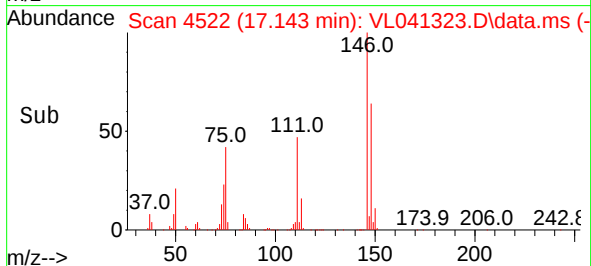
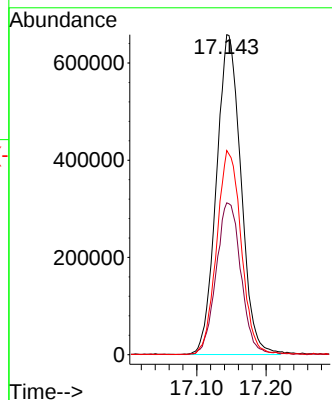
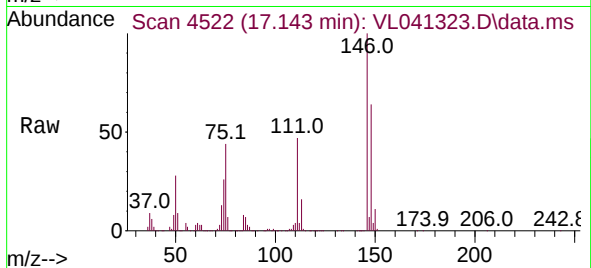
Tgt Ion:146 Resp: 1618817

Ion Ratio Lower Upper

146 100

111 48.3 24.3 72.9

148 63.8 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 7.054 ppbv

RT: 22.635 min Scan# 6230

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

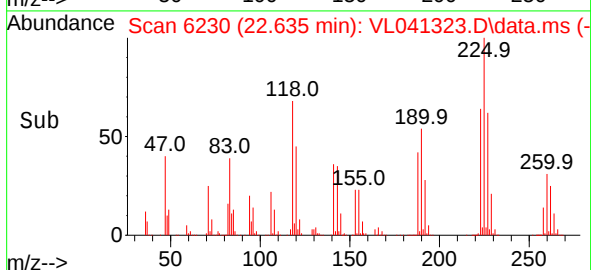
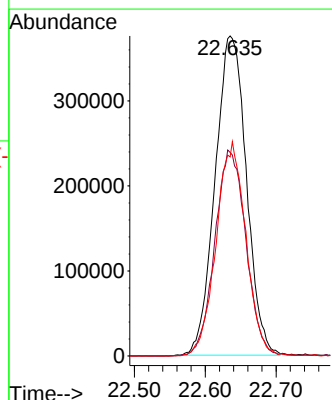
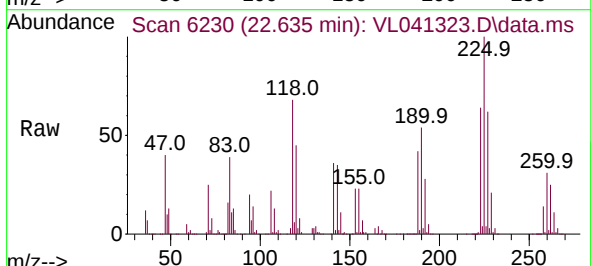
Tgt Ion:225 Resp: 1151541

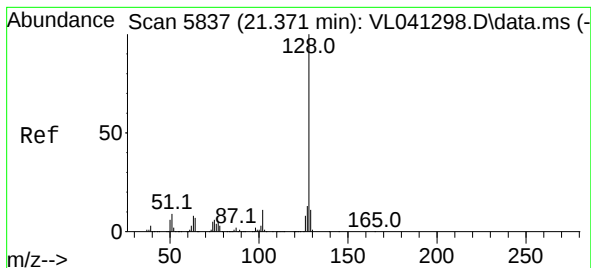
Ion Ratio Lower Upper

225 100

223 64.3 51.0 76.6

227 64.0 51.1 76.7





#79

Naphthalene

Concen: 9.498 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. 0.013 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_1

ClientSampleId :

VL0605ABS01

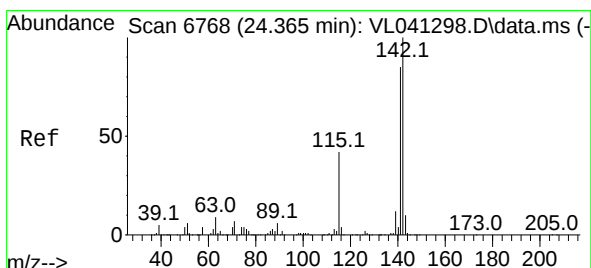
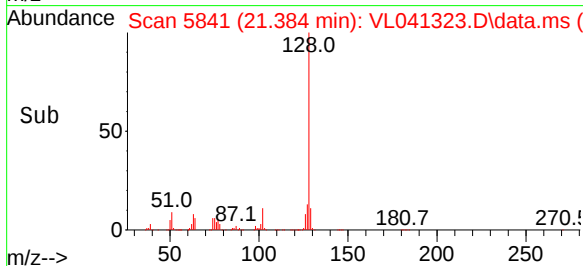
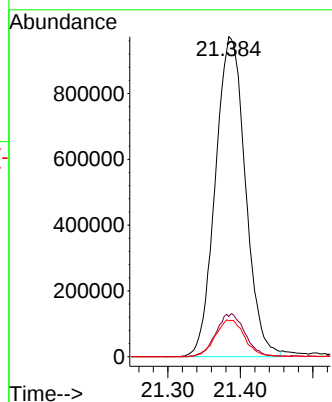
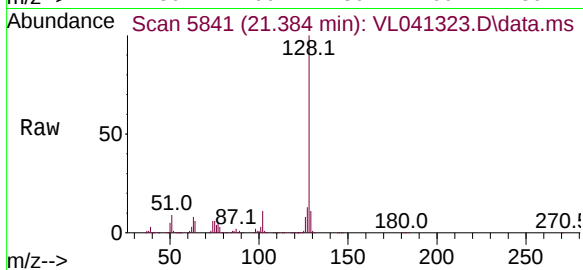
Tgt Ion:128 Resp: 2793761

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

129 11.3 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 8.735 ppbv

RT: 24.374 min Scan# 6771

Delta R.T. 0.010 min

Lab File: VL041323.D

Acq: 5 Jun 2024 12:06

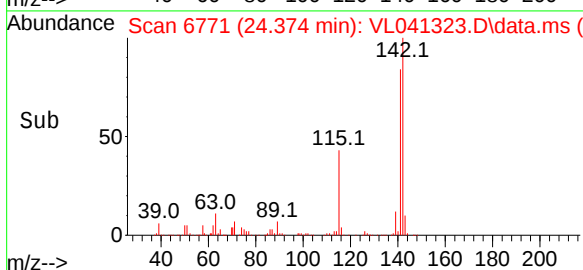
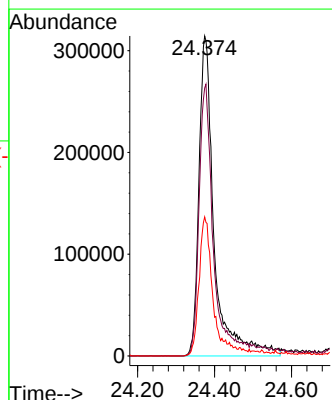
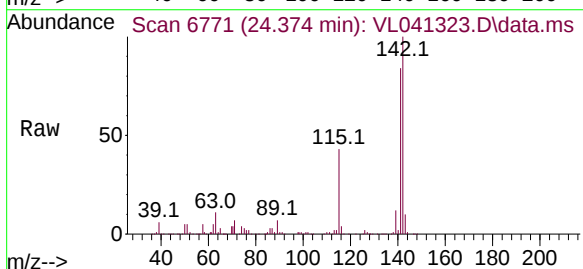
Tgt Ion:142 Resp: 867719

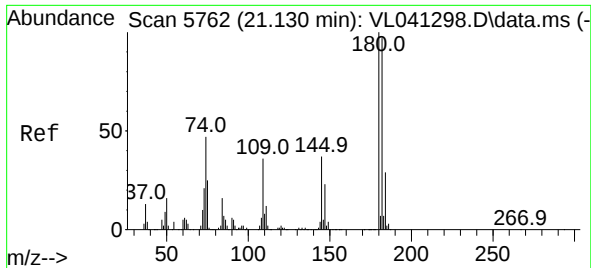
Ion Ratio Lower Upper

142 100

141 85.1 68.5 102.7

115 40.7 32.6 49.0





#81

1,2,4-Trichlorobenzene

Concen: 8.130 ppbv

RT: 21.140 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL041323.D

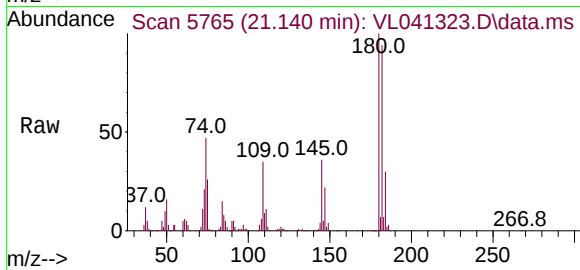
Acq: 5 Jun 2024 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0605ABS01



Tgt Ion:180 Resp: 1333632

Ion Ratio Lower Upper

180 100

182 98.2 77.0 115.6

184 31.3 0.0 0.0#

