

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041120.D
 Acq On : 4 Apr 2024 9:25
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Apr 05 04:15:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 05 04:13:19 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.218	49	1494308	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3786865	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.507	117	4444969	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.815	95	2944765	8.269	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	2311121	9.015	ppbv	100
3) Chlorodifluoromethane	2.681	51	2040868	8.867	ppbv	100
4) Chloromethane	2.819	50	774987	8.898	ppbv	100
5) Vinyl Chloride	2.928	62	798818	9.597	ppbv	100
6) Bromomethane	3.131	94	294741	9.307	ppbv	100
7) Chloroethane	3.208	64	289502	9.549	ppbv	100
8) Dichlorotetrafluoroethane	2.864	85	2008403	9.211	ppbv	100
9) Propene	2.700	41	659544	9.008	ppbv	100
10) Heptane	7.610	43	1721472	9.903	ppbv	100
11) Trichlorofluoromethane	3.578	101	2101528	9.066	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.083	101	1533864	9.143	ppbv	100
13) Ethanol	3.253	45	146439	8.587	ppbv	100
14) Bromoethene	3.378	108	626304	9.478	ppbv	100
15) Acetone	3.481	43	1409210	8.709	ppbv	100
16) 1,3-Butadiene	2.993	39	772941	9.732	ppbv	100
17) tert-Butyl alcohol	3.896	59	1408136	9.588	ppbv	100
18) 1,1-Dichloroethene	3.896	96	668362	9.331	ppbv	100
19) Isopropyl Alcohol	3.587	45	933947	9.395	ppbv	100
20) Methylene Chloride	3.947	84	572579	8.580	ppbv	100
21) Allyl Chloride	4.015	41	935924	9.493	ppbv	100
22) trans-1,2-Dichloroethene	4.465	96	694415	9.299	ppbv	100
23) Vinyl Acetate	4.648	43	1613130	9.609	ppbv	100
24) 1,1-Dichloroethane	4.584	63	1390524	9.246	ppbv	100
25) Ethyl Acetate	5.227	43	2854954	9.396	ppbv	100
26) Hexane	5.237	57	1238064	9.080	ppbv	100
27) Carbon Disulfide	4.140	76	1666524	10.067	ppbv	100
28) Methyl tert-Butyl Ether	4.607	73	980936	9.533	ppbv	100
29) Chloroform	5.301	83	2110456	9.182	ppbv	100
30) Cyclohexane	6.632	84	1060163	9.667	ppbv	100
31) cis-1,2-Dichloroethene	5.102	61	1239982	9.608	ppbv	100
32) 1,1,1-Trichloroethane	6.031	97	2099050	9.880	ppbv	100
34) 2-Butanone	4.806	43	1513588	9.254	ppbv	100
35) Carbon Tetrachloride	6.523	117	2227783	10.311	ppbv	100
36) Benzene	6.401	78	2671792	9.618	ppbv	100
37) 1,2-Dichloroethane	5.835	62	1601535	9.592	ppbv	100
38) Trichloroethene	7.324	130	1037172	10.288	ppbv	100
39) 1,2-Dichloropropane	7.105	63	1053865	9.558	ppbv	100
40) 1,4-Dioxane	7.317	88	366150	9.686	ppbv	100
41) Tetrahydrofuran	5.581	42	1073653	10.262	ppbv	100
42) Bromodichloromethane	7.282	83	2371906	9.943	ppbv	100
43) Methyl Methacrylate	7.504	69	1121188	11.619	ppbv	100
44) 2,2,4-Trimethylpentane	7.359	57	4479579	9.730	ppbv	100
45) t-1,3-Dichloropropene	8.745	75	706053	11.353	ppbv	100

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Instrument :
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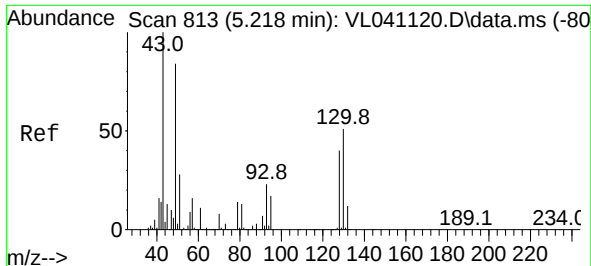
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 05 04:13:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	872825	11.025	ppbv	100
47) 1,1,2-Trichloroethane	8.934	97	1139110	9.611	ppbv	100
48) Dibromochloromethane	9.748	129	1978281	10.516	ppbv	100
49) Bromoform	12.449	173	1586223	10.637	ppbv	100
50) 4-Methyl-2-Pentanone	8.214	43	2875816	10.247	ppbv	100
51) 2-Hexanone	9.584	43	2088602	10.734	ppbv	100
52) Tetrachloroethene	10.651	164	914607	10.270	ppbv	100
53) Toluene	9.259	91	3070494	10.450	ppbv	100
54) 1,2-Dibromoethane	10.047	107	1582198	10.712	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.545	131	1428791	7.859	ppbv	100
57) Chlorobenzene	11.565	112	2353541	7.823	ppbv	100
58) Ethyl Benzene	12.127	91	4131813	8.535	ppbv	100
59) m/p-Xylene	12.410	91	3960271	9.051	ppbv #	44
60) o-Xylene	13.098	91	3430651	8.244	ppbv	100
61) Styrene	12.937	104	1713433	9.302	ppbv	100
62) Isopropylbenzene	14.066	105	4942195	8.000	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.085	83	2578383	7.851	ppbv	100
64) n-propylbenzene	14.953	120	1295769	8.379	ppbv	100
65) tert-Butylbenzene	16.130	119	4426369	8.203	ppbv	100
66) Benzyl Chloride	16.368	91	320179	9.003	ppbv	100
67) sec-Butylbenzene	16.674	105	6256972	8.041	ppbv	100
69) p-Isopropyltoluene	17.031	119	5092334	8.394	ppbv	100
70) n-Butylbenzene	17.921	91	5555768	8.409	ppbv	100
71) 2-Chlorotoluene	14.841	91	3874223	8.189	ppbv	100
72) 4-Ethyltoluene	15.233	105	3903021	8.502	ppbv	100
73) 1,3,5-Trimethylbenzene	15.391	105	3409771	8.349	ppbv	100
74) 1,2,4-Trimethylbenzene	16.146	105	3852236	8.185	ppbv	100
75) 1,3-Dichlorobenzene	16.371	146	2221164	8.135	ppbv	100
76) 1,4-Dichlorobenzene	16.513	146	2149783	8.083	ppbv	100
77) 1,2-Dichlorobenzene	17.178	146	2146629	8.088	ppbv	100
78) Hexachloro-1,3-Butadiene	22.677	225	1328860	7.539	ppbv	100
79) Naphthalene	21.429	128	3196420	10.812	ppbv	100
80) Naphthalene,2-methyl-	24.410	142	596556	11.514	ppbv	100
81) 1,2,4-Trichlorobenzene	21.182	180	1534915	9.011	ppbv	100

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

Quant Time: Apr 05 04:15:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL040424AIR.M
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QLast Update : Fri Apr 05 04:13:19 2024
Response via : Initial Calibration

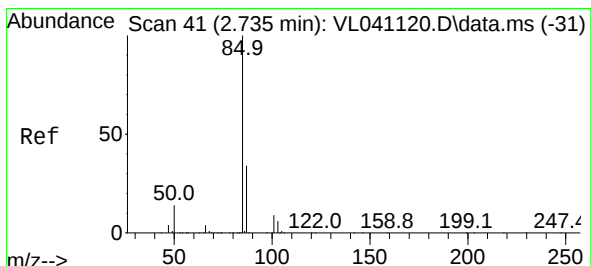
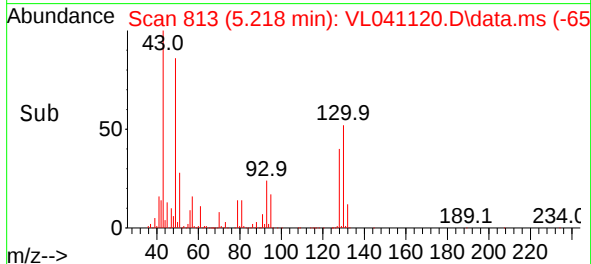
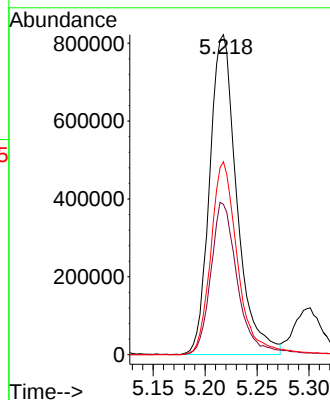
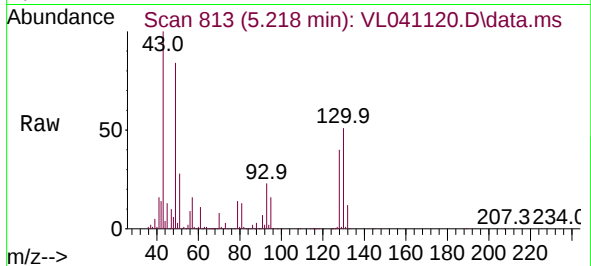




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.218 min Scan# 813
Delta R.T. -0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

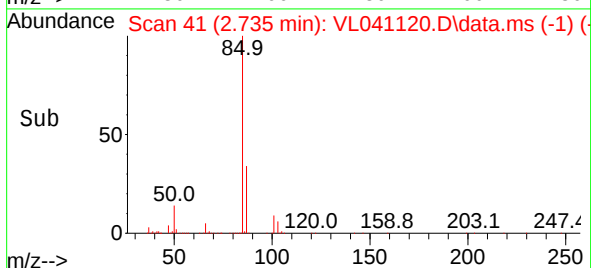
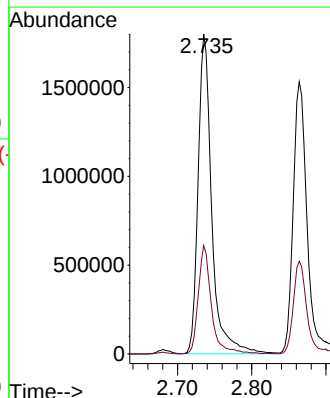
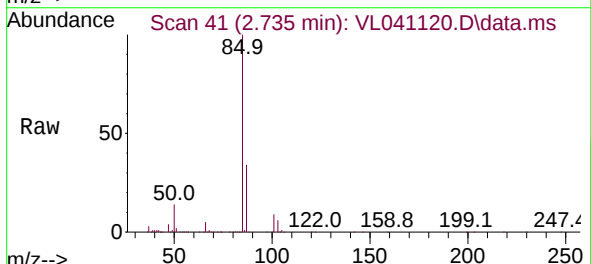
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

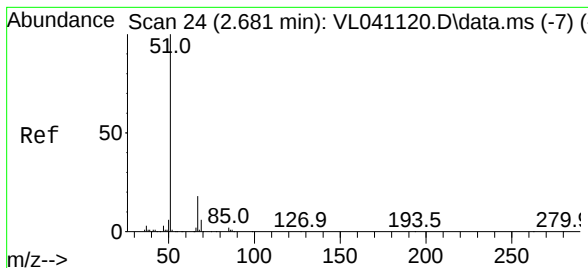
Tgt Ion: 49 Resp: 1494308
Ion Ratio Lower Upper
49 100
128 47.3 23.6 71.0
130 60.3 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 9.015 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 85 Resp: 2311121
Ion Ratio Lower Upper
85 100
87 33.8 27.0 40.6

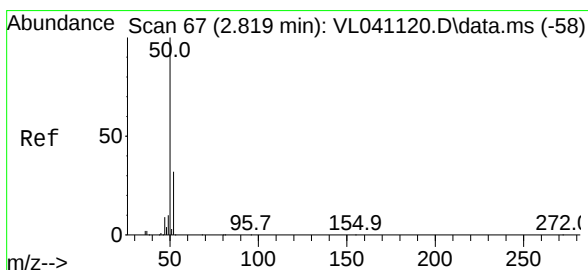
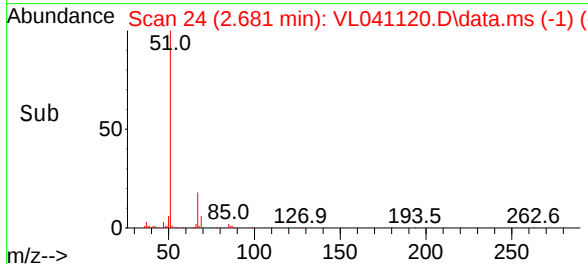
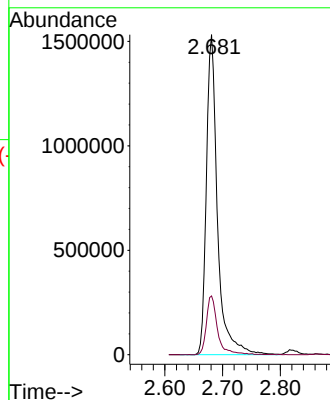
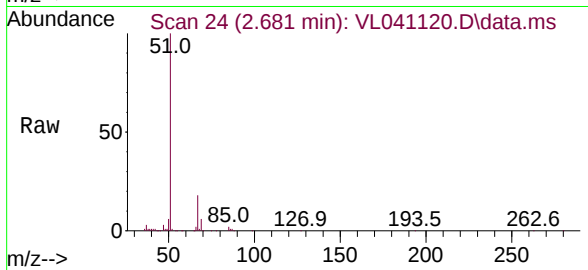




#3
Chlorodifluoromethane
Concen: 8.867 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

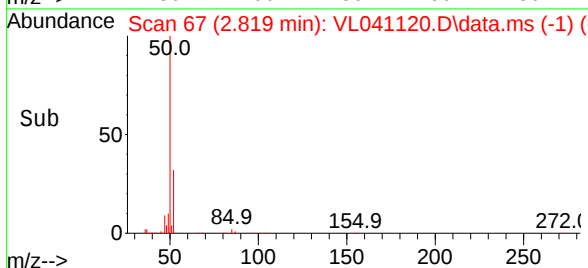
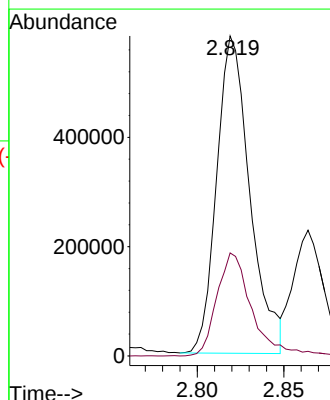
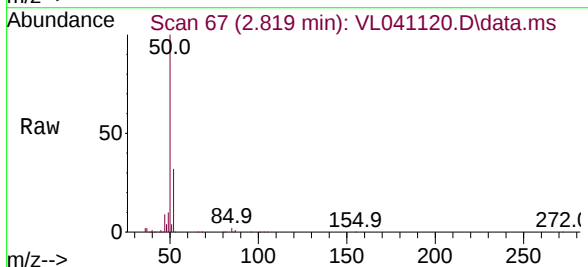
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ClientSampleId :
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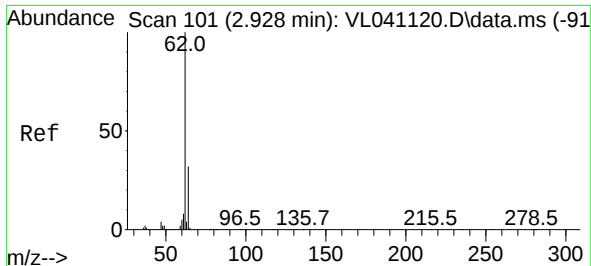
Tgt Ion: 51 Resp: 2040868
Ion Ratio Lower Upper
51 100
67 18.6 14.9 22.3



#4
Chloromethane
Concen: 8.898 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 50 Resp: 774987
Ion Ratio Lower Upper
50 100
52 32.5 26.0 39.0

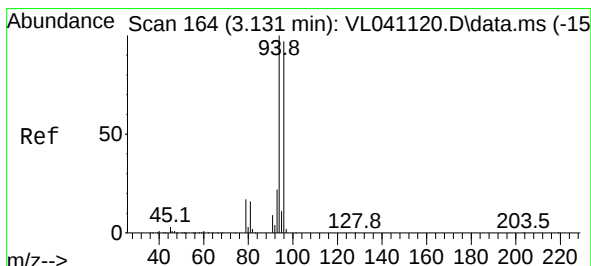
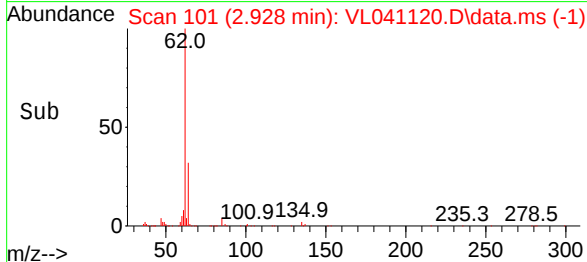
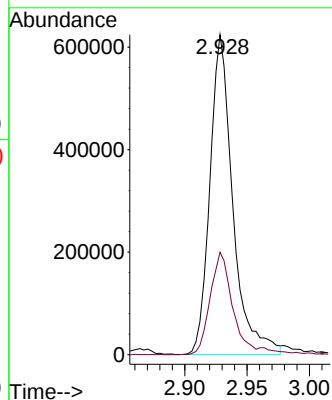
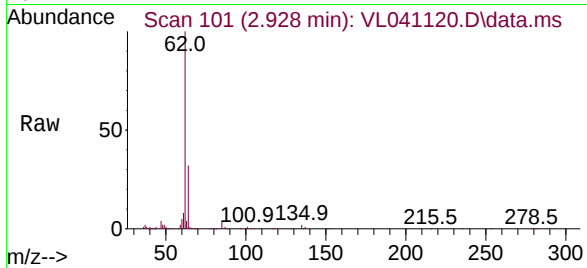




#5
 Vinyl Chloride
 Concen: 9.597 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.000 min
 Lab File: VL041120.D
 Acq: 4 Apr 2024 9:25

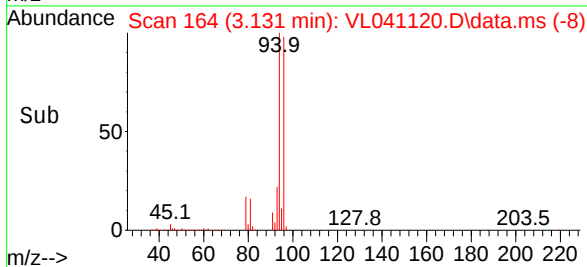
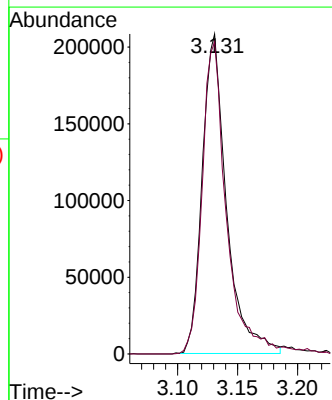
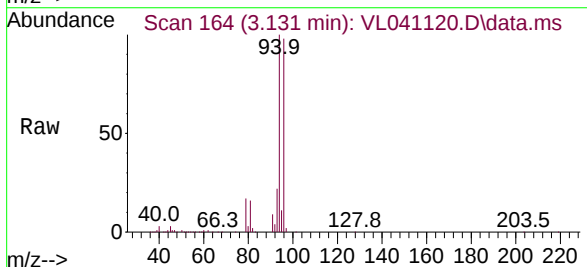
Instrument :
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 ClientSampleId :
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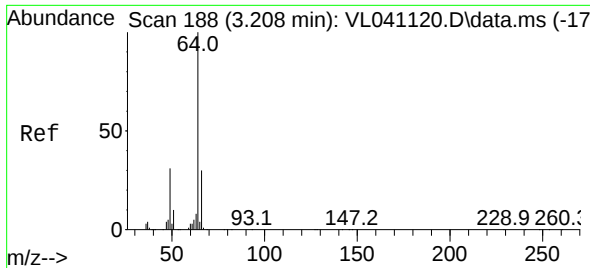
Tgt Ion: 62 Resp: 798818
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.6 38.4



#6
 Bromomethane
 Concen: 9.307 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. 0.000 min
 Lab File: VL041120.D
 Acq: 4 Apr 2024 9:25

Tgt Ion: 94 Resp: 294741
 Ion Ratio Lower Upper
 94 100
 96 97.4 77.9 116.9

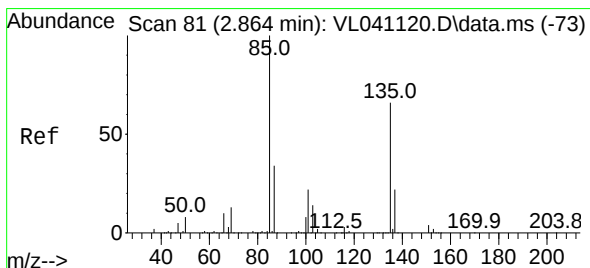
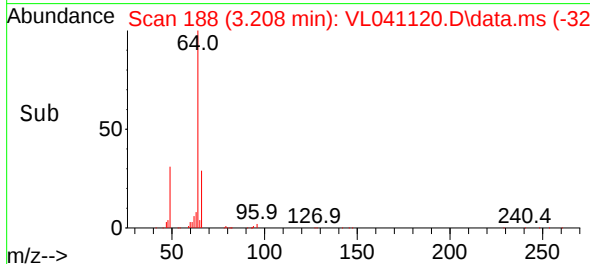
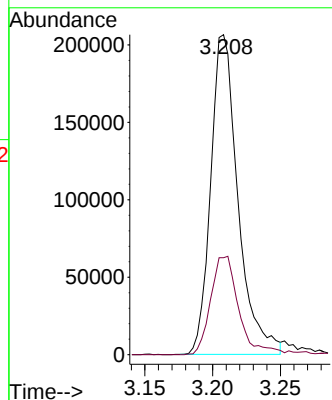
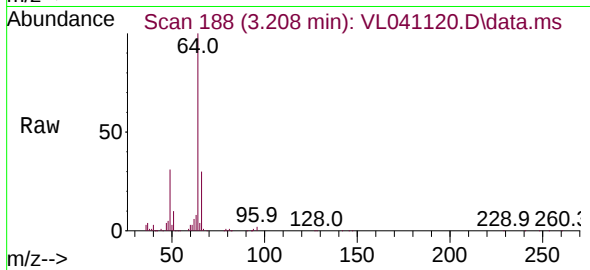




#7
Chloroethane
Concen: 9.549 ppbv
RT: 3.208 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

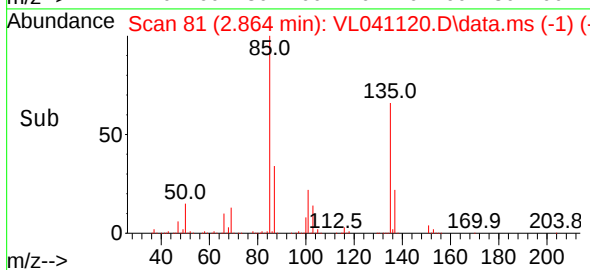
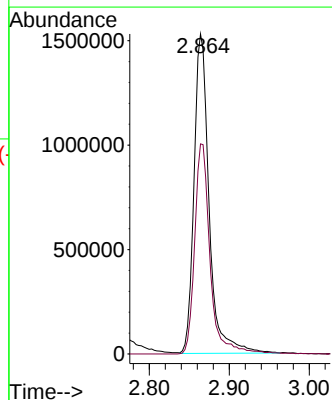
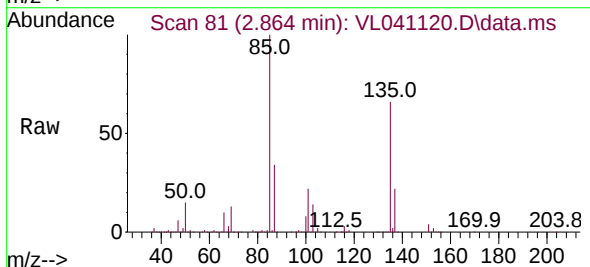
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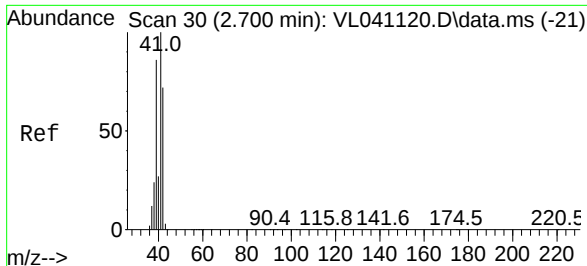
Tgt Ion: 64 Resp: 289502
Ion Ratio Lower Upper
64 100
66 30.3 24.2 36.4



#8
Dichlorotetrafluoroethane
Concen: 9.211 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 85 Resp: 2008403
Ion Ratio Lower Upper
85 100
135 67.7 54.2 81.2

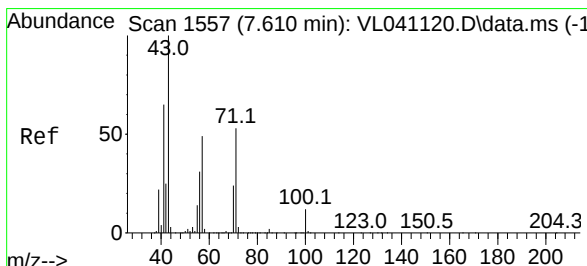
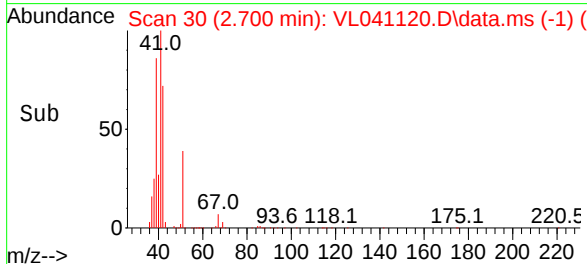
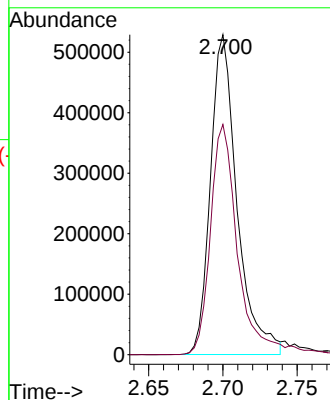
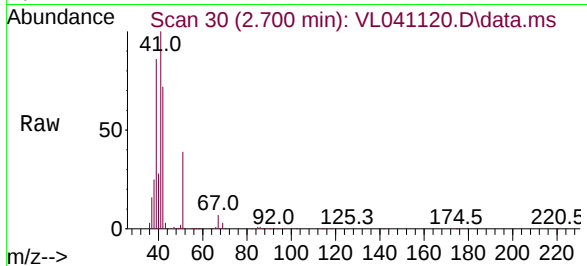




#9
Propene
Concen: 9.008 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

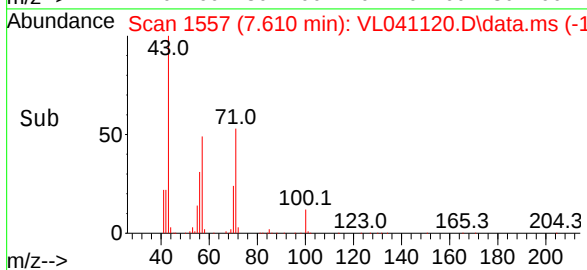
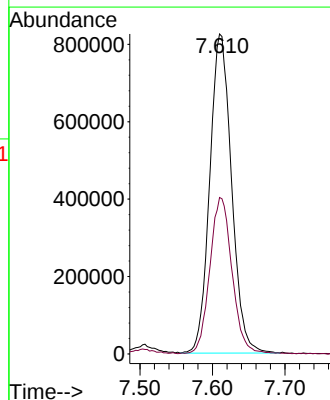
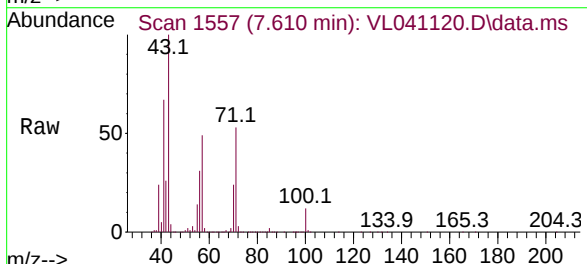
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MSVOA_1
ClientSampleId :
VSTDICCC010

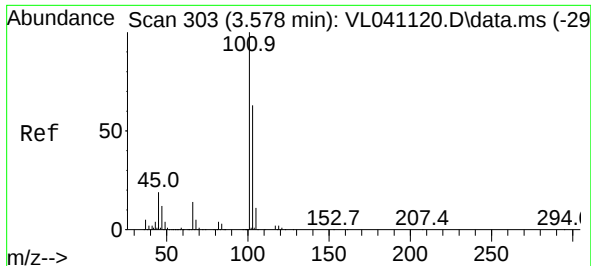
Tgt Ion: 41 Resp: 659544
Ion Ratio Lower Upper
41 100
42 75.1 60.1 90.1



#10
Heptane
Concen: 9.903 ppbv
RT: 7.610 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 43 Resp: 1721472
Ion Ratio Lower Upper
43 100
57 49.9 39.9 59.9





#11

Trichlorofluoromethane

Concen: 9.066 ppbv

RT: 3.578 min Scan# 303

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

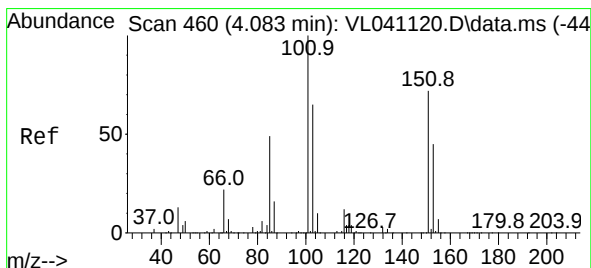
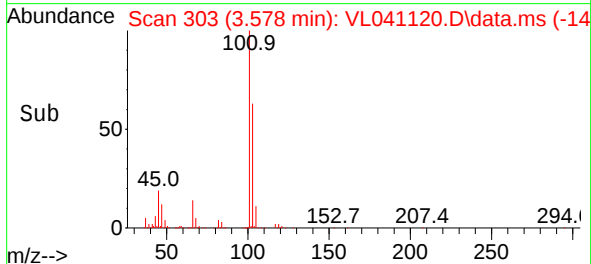
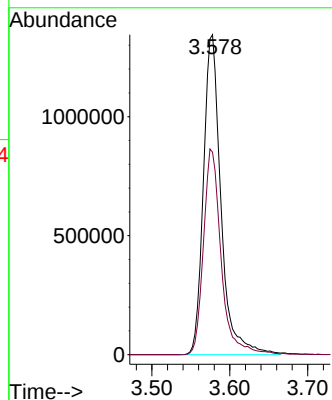
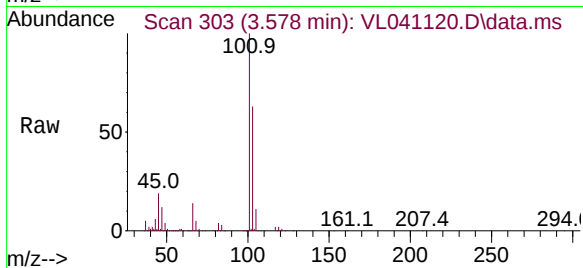
VSTDICCC010

Tgt Ion:101 Resp: 2101528

Ion Ratio Lower Upper

101 100

103 63.2 50.6 75.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.143 ppbv

RT: 4.083 min Scan# 460

Delta R.T. 0.000 min

Lab File: VL041120.D

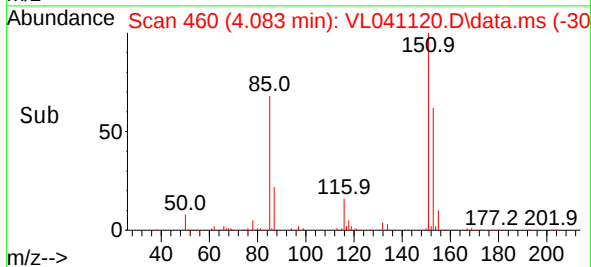
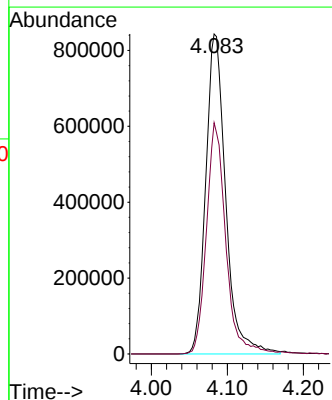
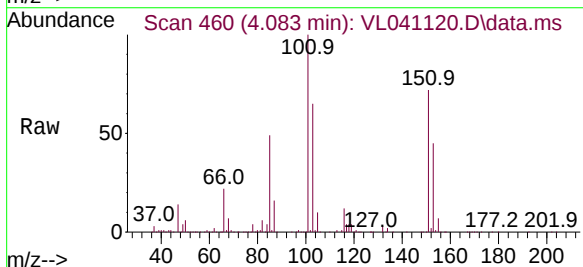
Acq: 4 Apr 2024 9:25

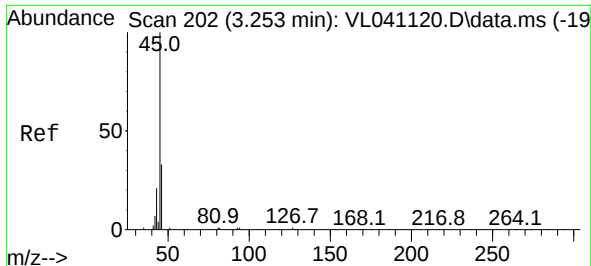
Tgt Ion:101 Resp: 1533864

Ion Ratio Lower Upper

101 100

151 70.3 56.2 84.4





#13

Ethanol

Concen: 8.587 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

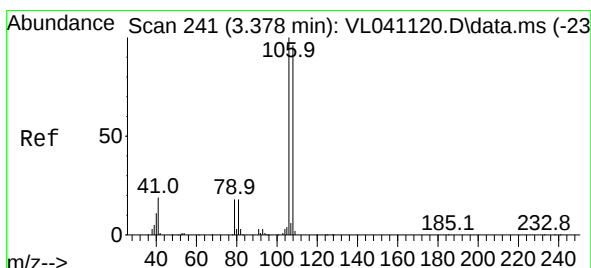
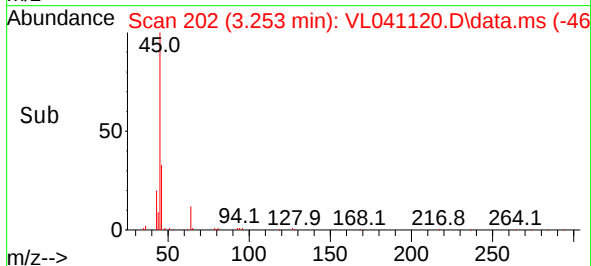
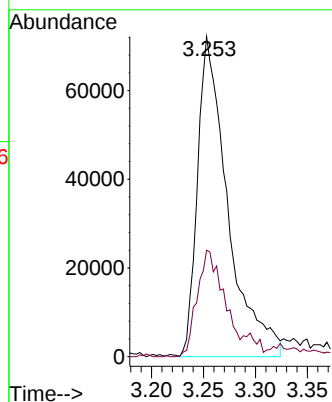
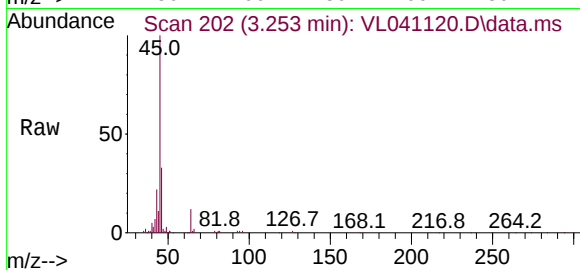
VSTDICCC010

Tgt Ion: 45 Resp: 146439

Ion Ratio Lower Upper

45 100

46 37.4 15.0 59.8



#14

Bromoethene

Concen: 9.478 ppbv

RT: 3.378 min Scan# 241

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

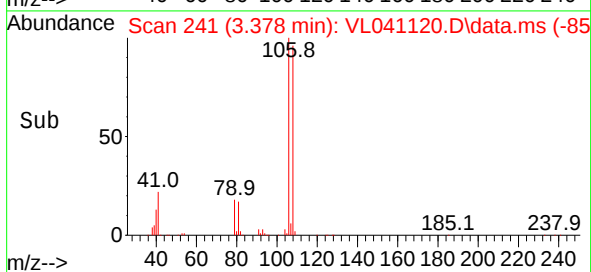
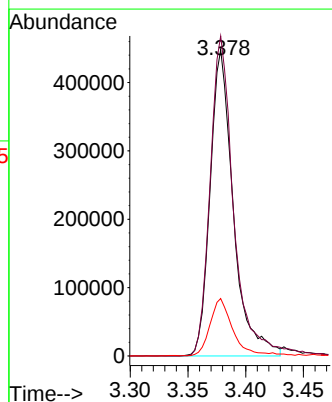
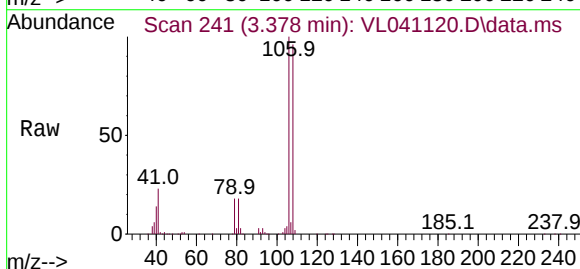
Tgt Ion:108 Resp: 626304

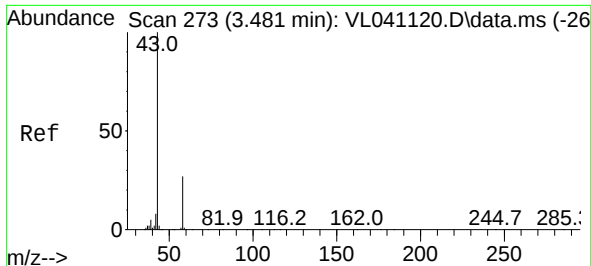
Ion Ratio Lower Upper

108 100

106 107.5 86.0 129.0

79 19.3 15.4 23.2





#15

Acetone

Concen: 8.709 ppbv

RT: 3.481 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

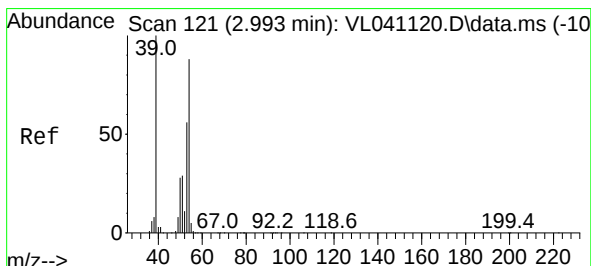
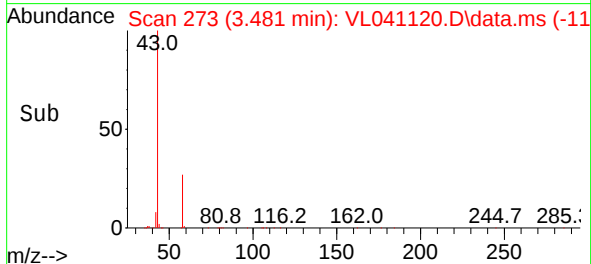
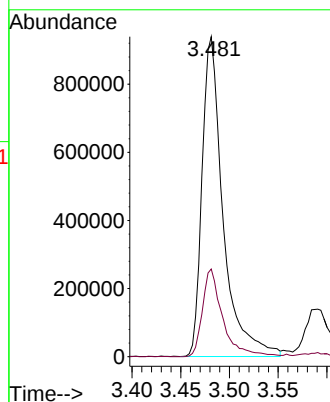
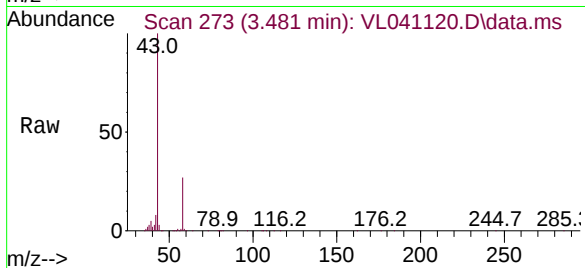
VSTDICCC010

Tgt Ion: 43 Resp: 1409210

Ion Ratio Lower Upper

43 100

58 26.4 21.1 31.7



#16

1,3-Butadiene

Concen: 9.732 ppbv

RT: 2.993 min Scan# 121

Delta R.T. 0.000 min

Lab File: VL041120.D

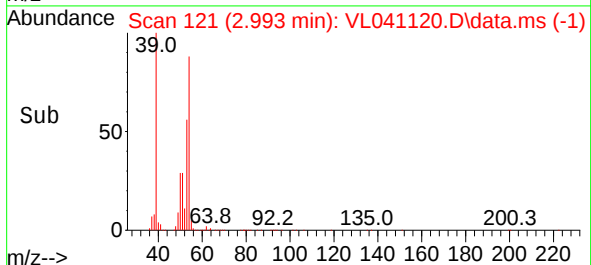
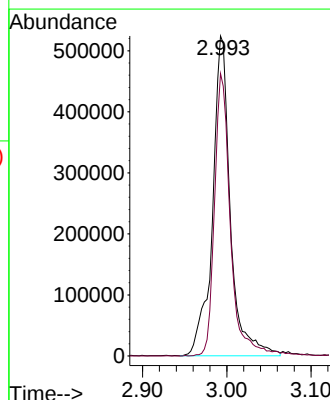
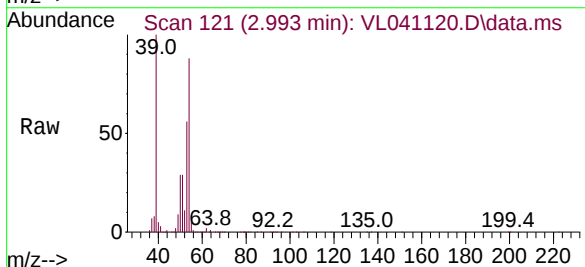
Acq: 4 Apr 2024 9:25

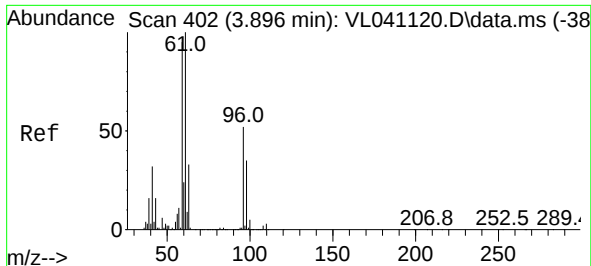
Tgt Ion: 39 Resp: 772941

Ion Ratio Lower Upper

39 100

54 79.4 63.5 95.3





#17

tert-Butyl alcohol

Concen: 9.588 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

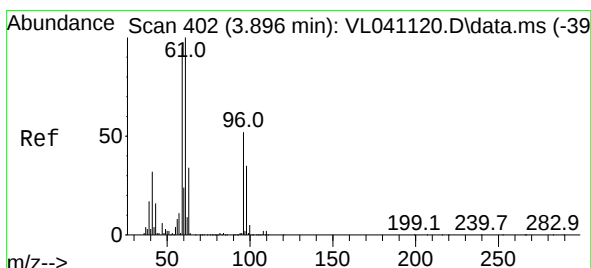
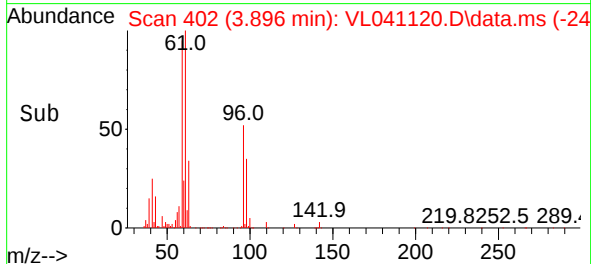
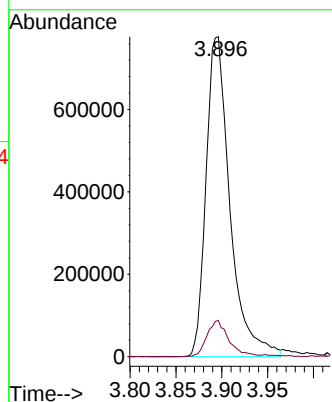
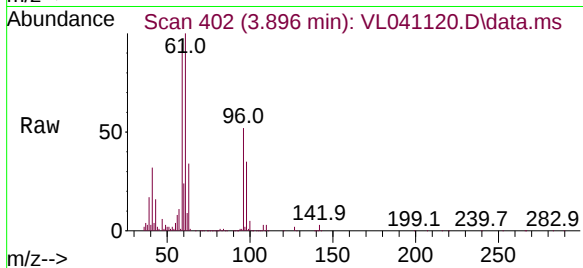
VSTDICCC010

Tgt Ion: 59 Resp: 1408136

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.331 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

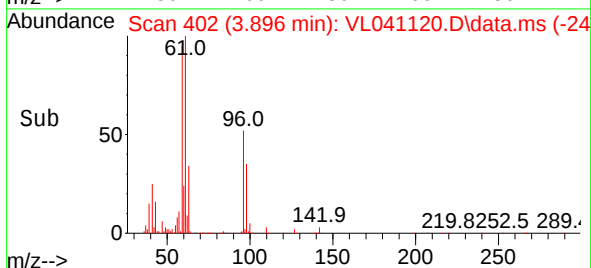
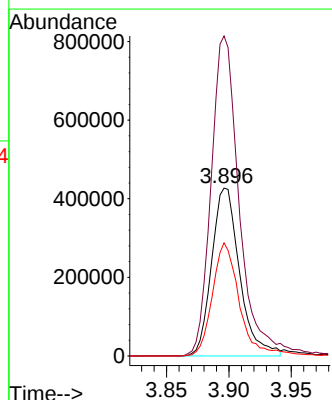
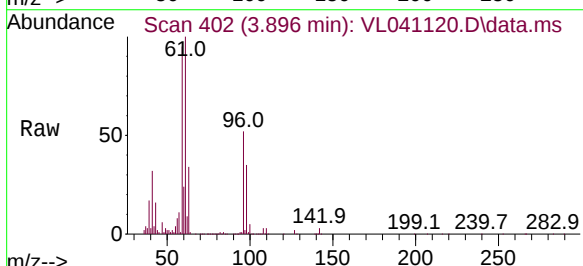
Tgt Ion: 96 Resp: 668362

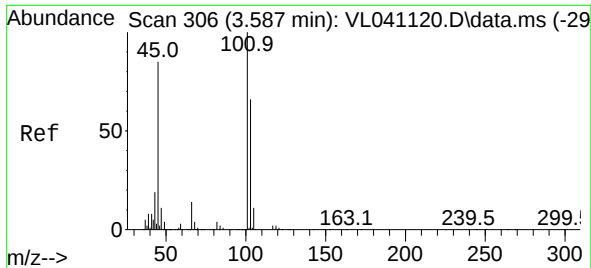
Ion Ratio Lower Upper

96 100

61 190.7 152.6 228.8

98 67.5 54.0 81.0





#19

Isopropyl Alcohol

Concen: 9.395 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

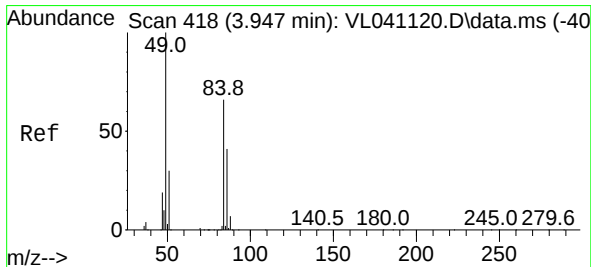
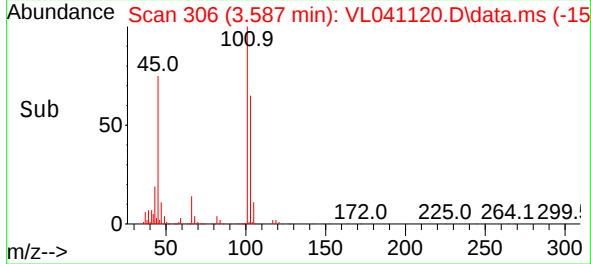
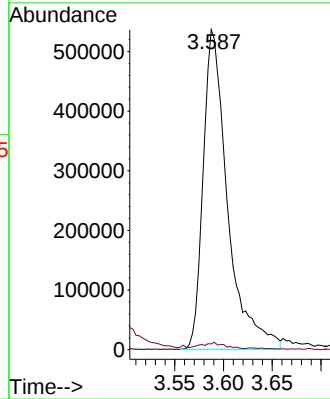
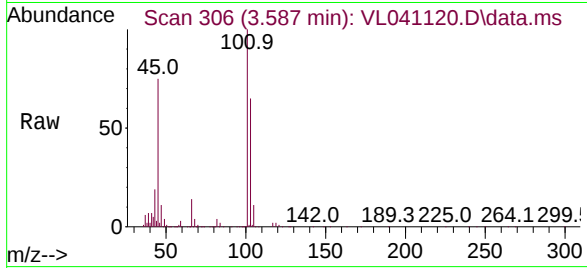
VSTDICCC010

Tgt Ion: 45 Resp: 933947

Ion Ratio Lower Upper

45 100

58 3.5 2.8 4.2



#20

Methylene Chloride

Concen: 8.580 ppbv

RT: 3.947 min Scan# 418

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Tgt Ion: 84 Resp: 572579

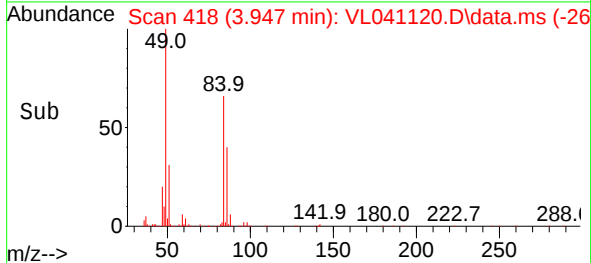
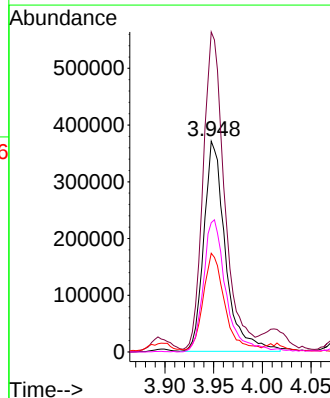
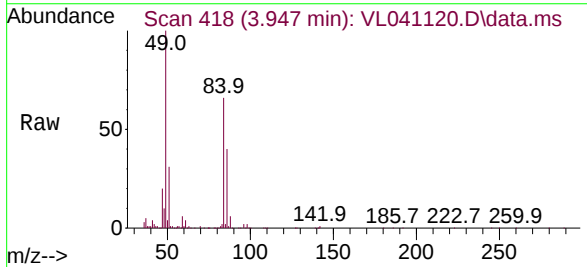
Ion Ratio Lower Upper

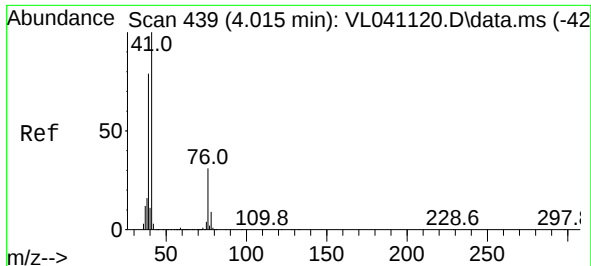
84 100

49 150.9 120.7 181.1

51 45.7 36.6 54.8

86 61.5 49.2 73.8





#21

Allyl Chloride

Concen: 9.493 ppbv

RT: 4.015 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

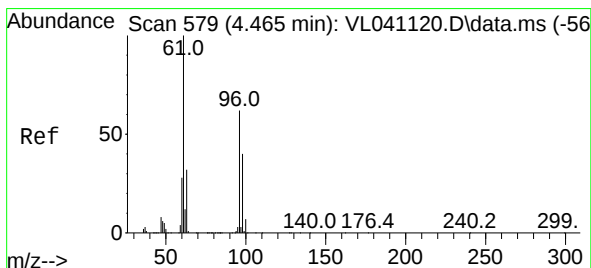
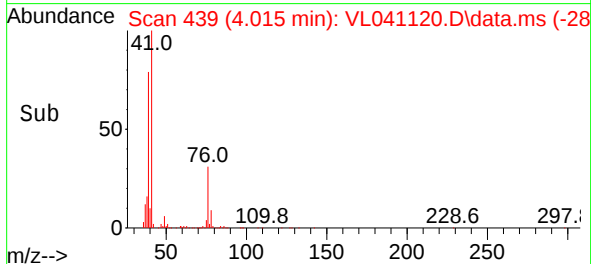
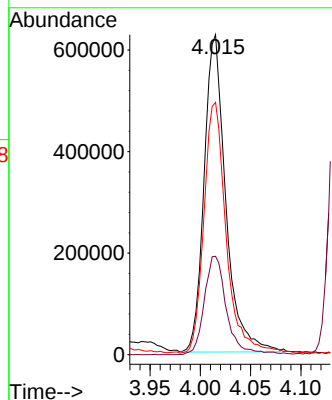
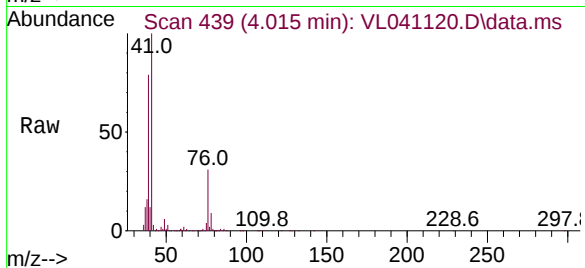
Tgt Ion: 41 Resp: 935924

Ion Ratio Lower Upper

41 100

76 32.1 25.7 38.5

39 82.1 65.7 98.5



#22

trans-1,2-Dichloroethene

Concen: 9.299 ppbv

RT: 4.465 min Scan# 579

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

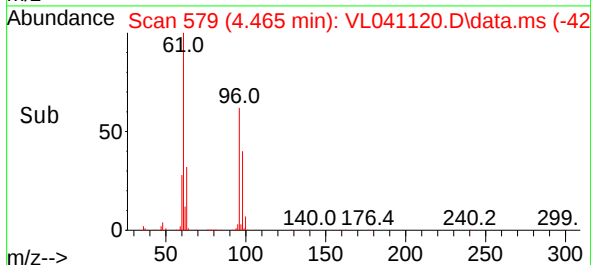
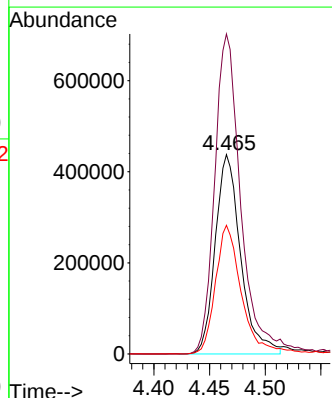
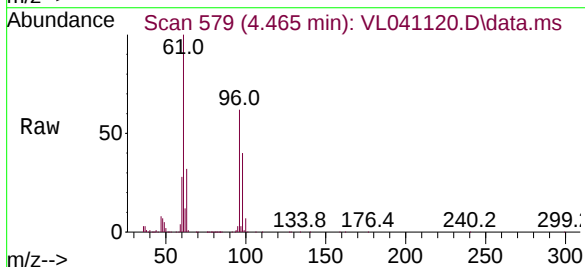
Tgt Ion: 96 Resp: 694415

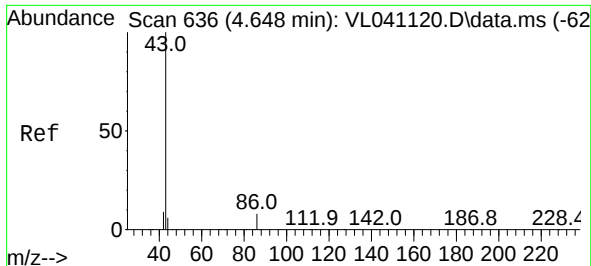
Ion Ratio Lower Upper

96 100

61 160.5 128.4 192.6

98 64.4 51.5 77.3



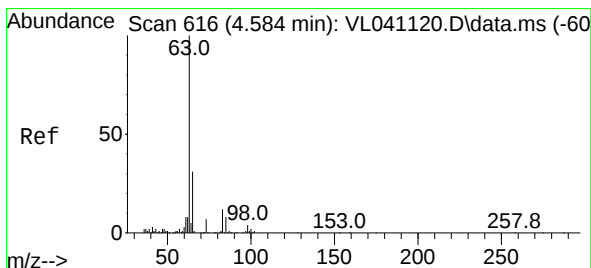
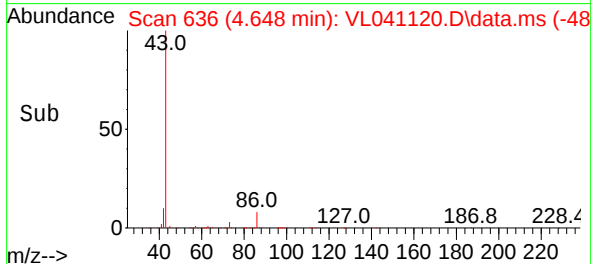
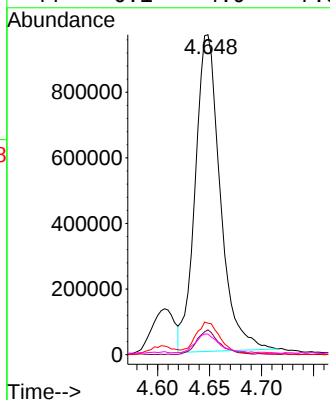
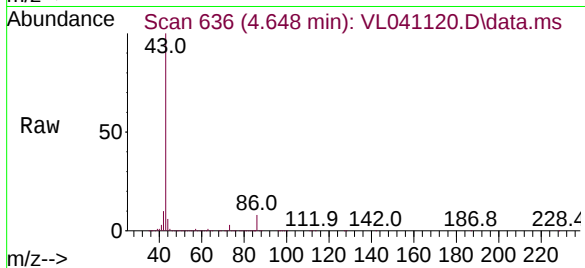


#23
 Vinyl Acetate
 Concen: 9.609 ppbv
 RT: 4.648 min Scan# 616
 Delta R.T. 0.000 min
 Lab File: VL041120.D
 Acq: 4 Apr 2024 9:25

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 43 Resp: 1613130

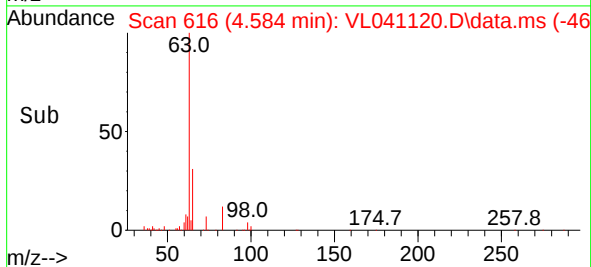
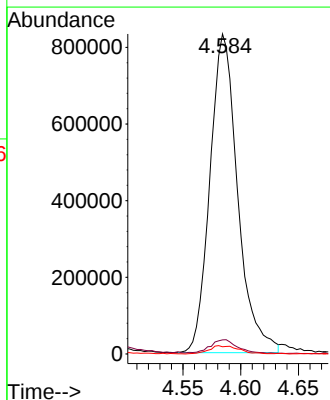
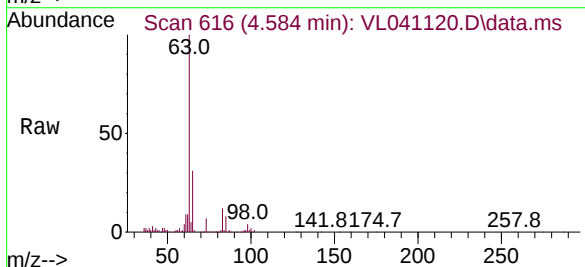
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.2	9.4
42	9.6	7.7	11.5
44	6.1	4.9	7.3

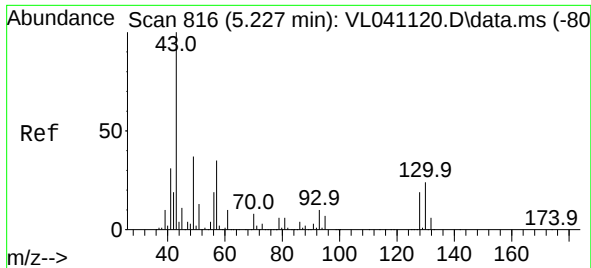


#24
 1,1-Dichloroethane
 Concen: 9.246 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. 0.000 min
 Lab File: VL041120.D
 Acq: 4 Apr 2024 9:25

Tgt Ion: 63 Resp: 1390524

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.2	1.1	3.3



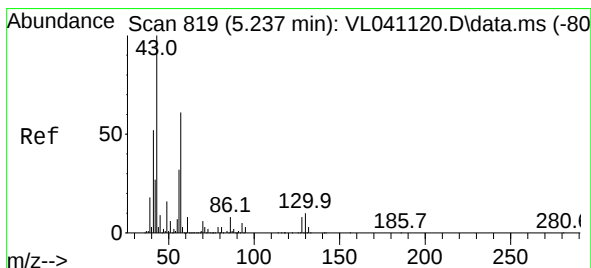
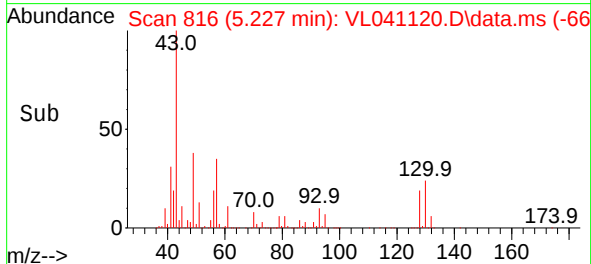
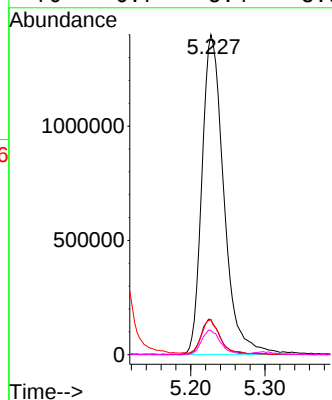
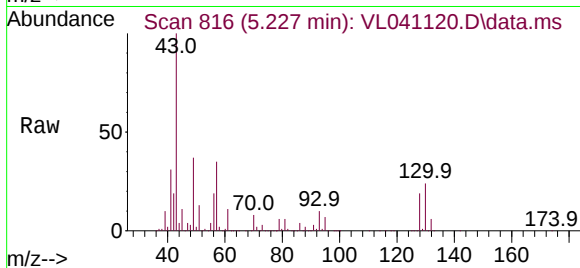


#25
Ethyl Acetate
Concen: 9.396 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2854954

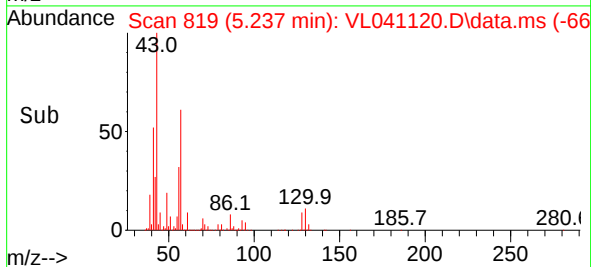
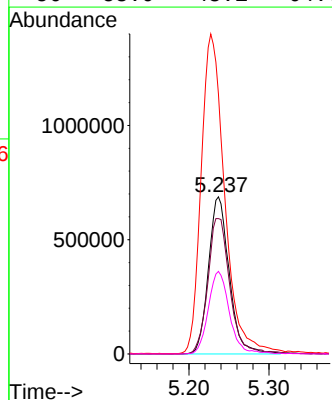
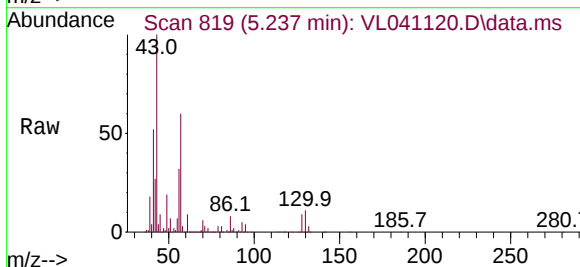
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.7	7.8	11.6
70	6.7	5.4	8.0

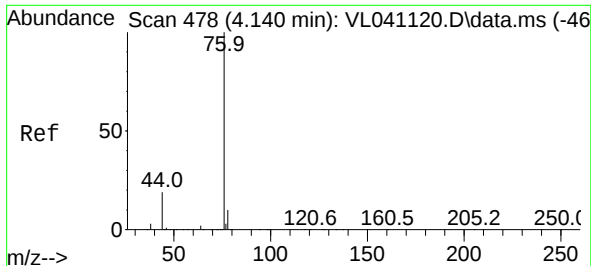


#26
Hexane
Concen: 9.080 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 57 Resp: 1238064

Ion	Ratio	Lower	Upper
57	100		
41	92.3	73.8	110.8
43	232.7	186.2	279.2
56	53.9	43.1	64.7





#27

Carbon Disulfide

Concen: 10.067 ppbv

RT: 4.140 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_1

ClientSampleId :

VSTDICCC010

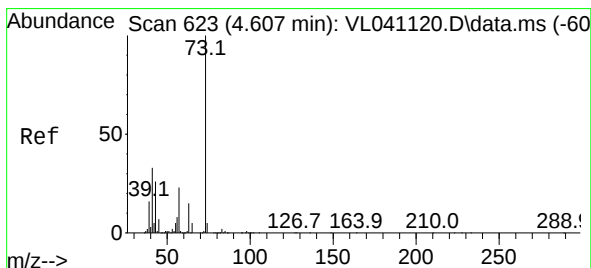
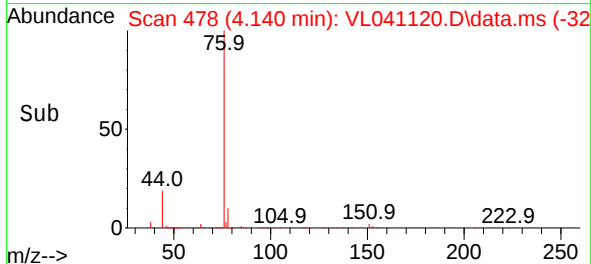
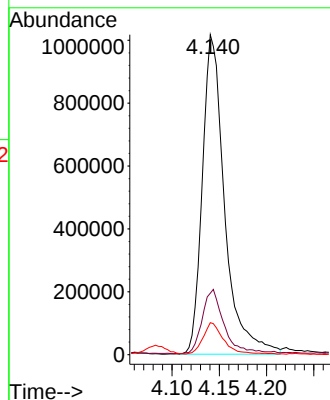
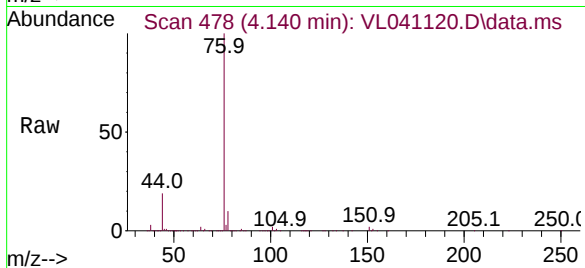
Tgt Ion: 76 Resp: 1666524

Ion Ratio Lower Upper

76 100

44 20.4 16.3 24.5

78 9.9 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 9.533 ppbv

RT: 4.607 min Scan# 623

Delta R.T. 0.000 min

Lab File: VL041120.D

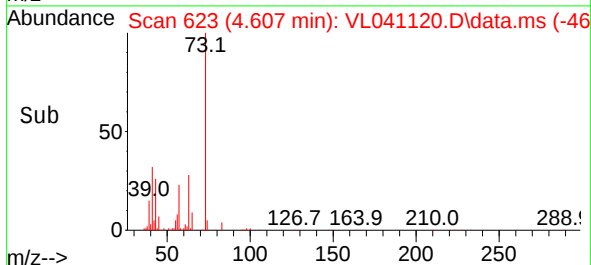
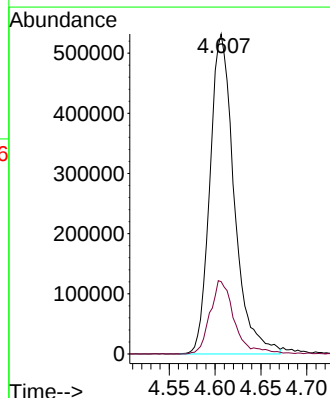
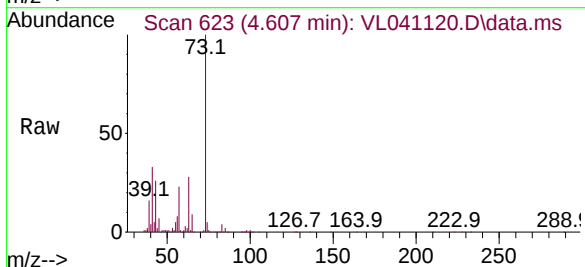
Acq: 4 Apr 2024 9:25

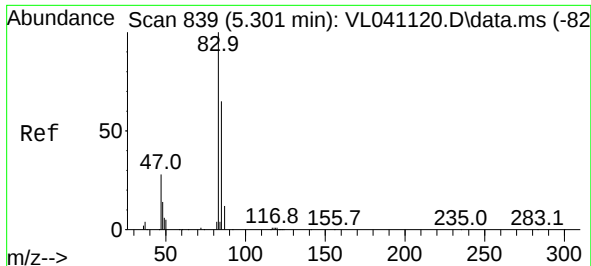
Tgt Ion: 73 Resp: 980936

Ion Ratio Lower Upper

73 100

57 23.2 18.6 27.8

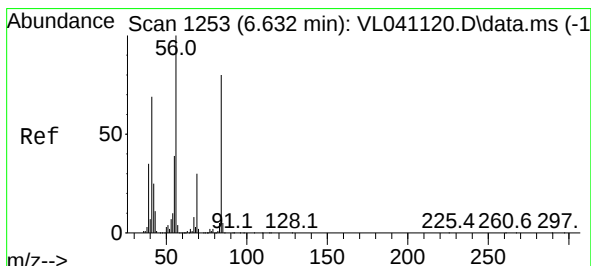
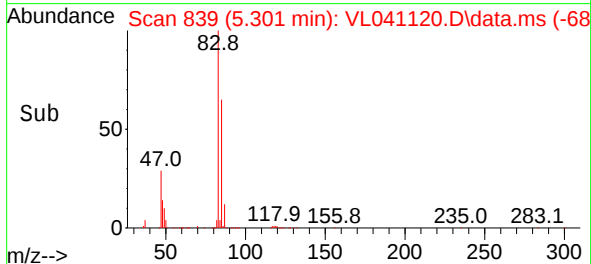
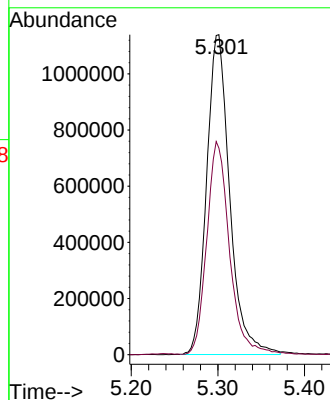
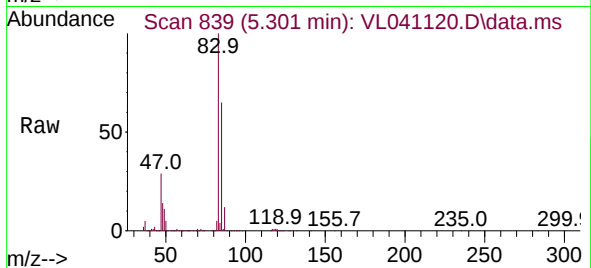




#29
Chloroform
Concen: 9.182 ppbv
RT: 5.301 min Scan# 839
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

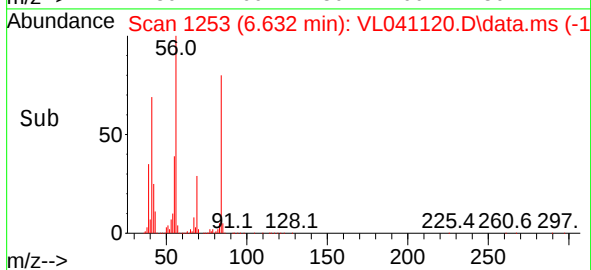
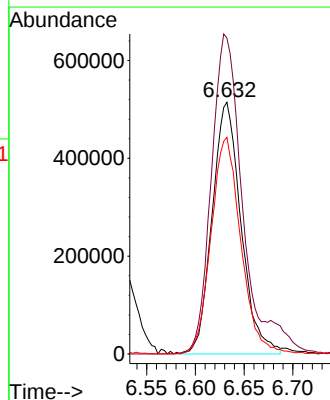
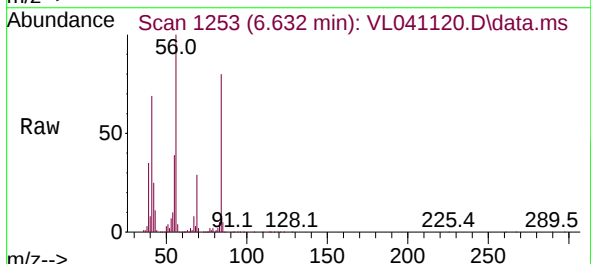
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

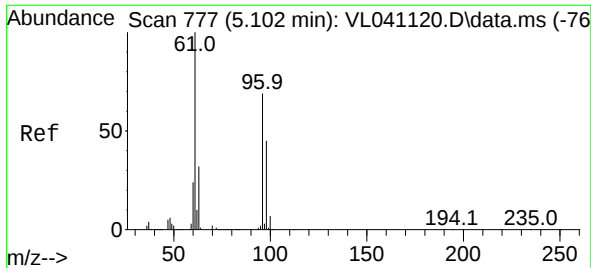
Tgt Ion: 83 Resp: 2110456
Ion Ratio Lower Upper
83 100
85 64.4 51.5 77.3



#30
Cyclohexane
Concen: 9.667 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 84 Resp: 1060163
Ion Ratio Lower Upper
84 100
56 139.9 111.9 167.9
41 88.8 71.0 106.6



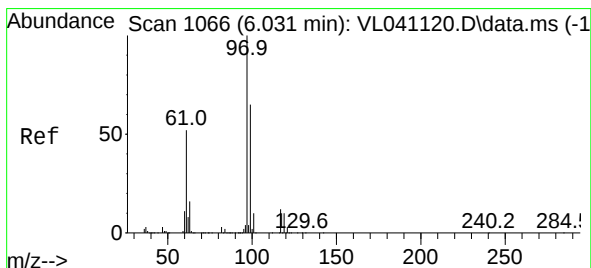
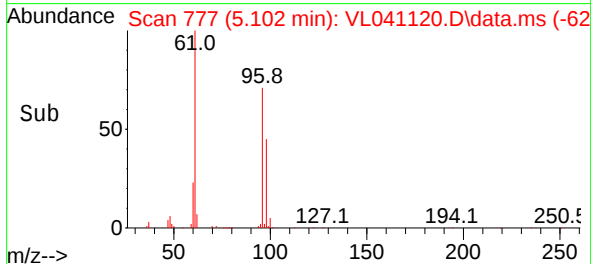
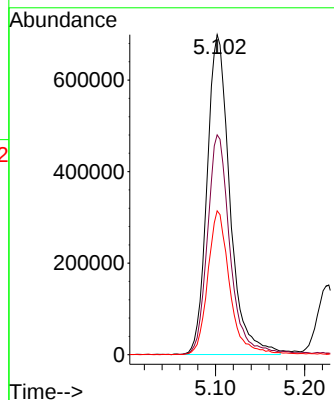
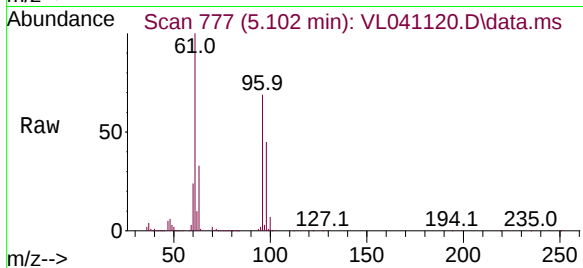


#31
 cis-1,2-Dichloroethene
 Concen: 9.608 ppbv
 RT: 5.102 min Scan# 777
 Delta R.T. 0.000 min
 Lab File: VL041120.D
 Acq: 4 Apr 2024 9:25

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 61 Resp: 1239982

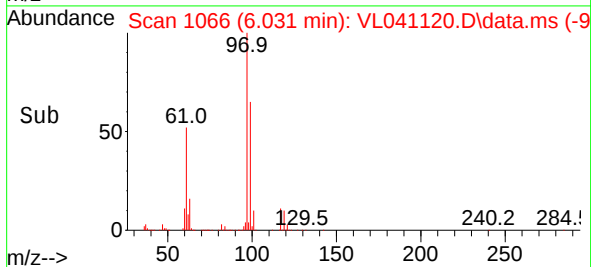
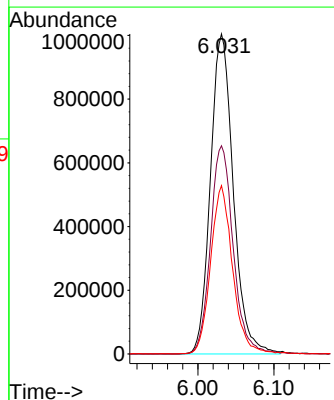
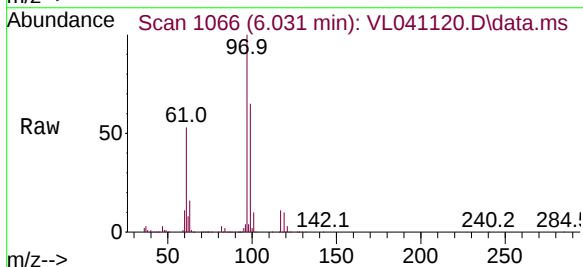
Ion	Ratio	Lower	Upper
61	100		
96	68.6	54.9	82.3
98	44.9	35.9	53.9

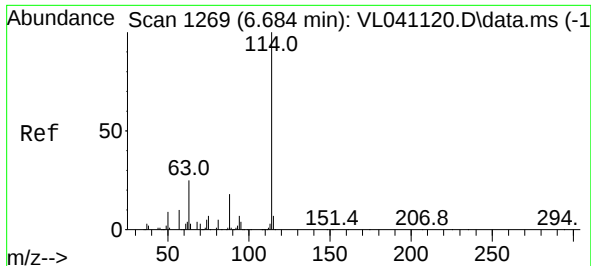


#32
 1,1,1-Trichloroethane
 Concen: 9.880 ppbv
 RT: 6.031 min Scan# 1066
 Delta R.T. 0.000 min
 Lab File: VL041120.D
 Acq: 4 Apr 2024 9:25

Tgt Ion: 97 Resp: 2099050

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	50.6	40.5	60.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.684 min Scan# 1269

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

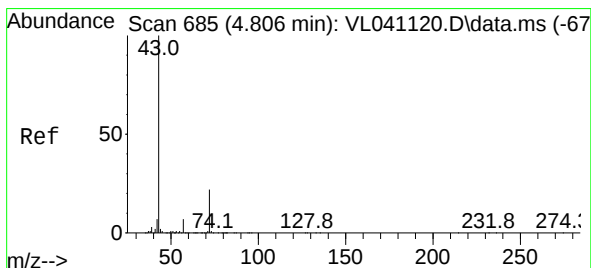
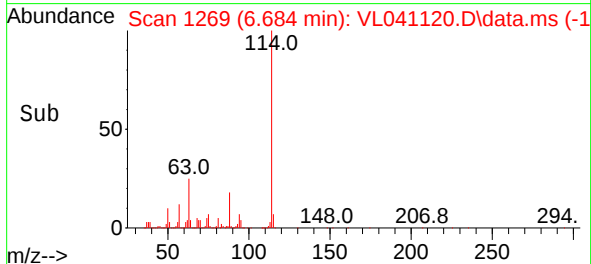
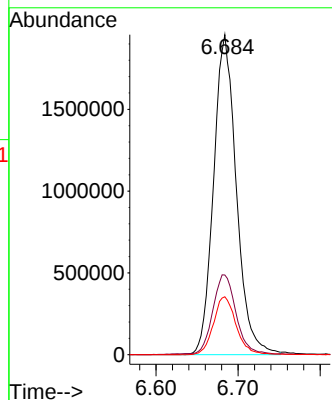
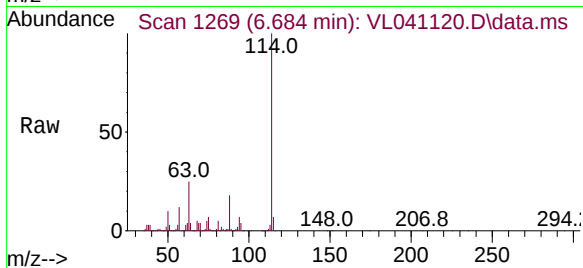
Tgt Ion:114 Resp: 3786865

Ion Ratio Lower Upper

114 100

63 26.1 20.9 31.3

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 9.254 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.000 min

Lab File: VL041120.D

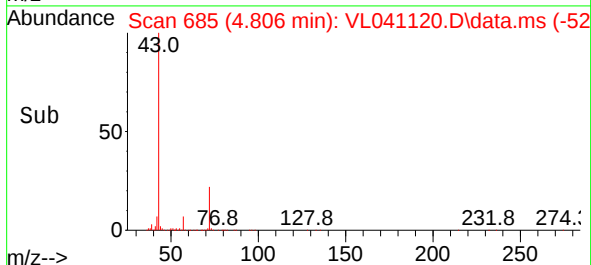
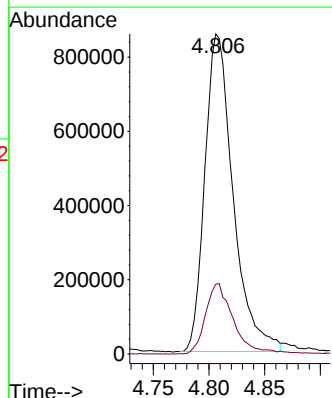
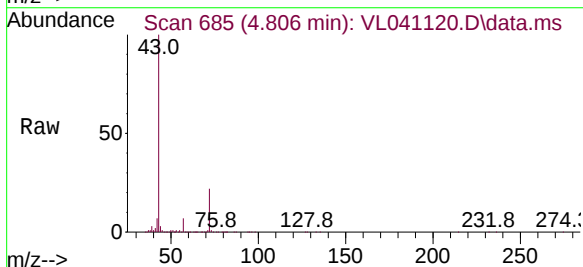
Acq: 4 Apr 2024 9:25

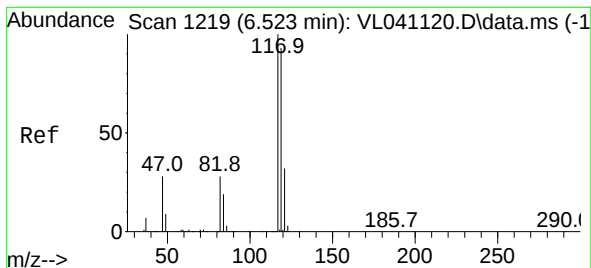
Tgt Ion: 43 Resp: 1513588

Ion Ratio Lower Upper

43 100

72 22.0 17.6 26.4





#35

Carbon Tetrachloride

Concen: 10.311 ppbv

RT: 6.523 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

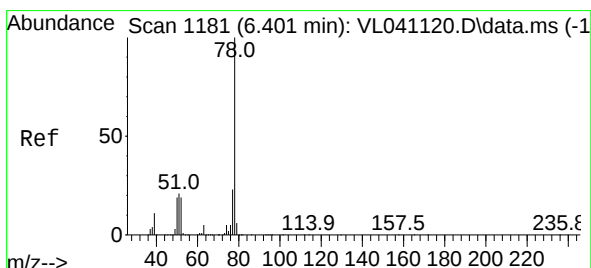
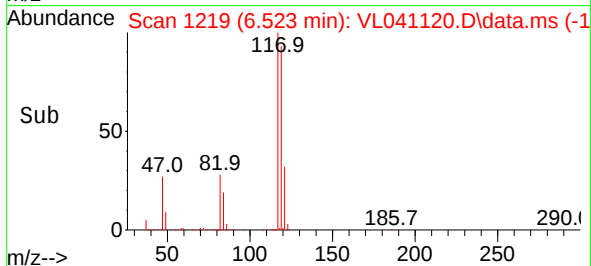
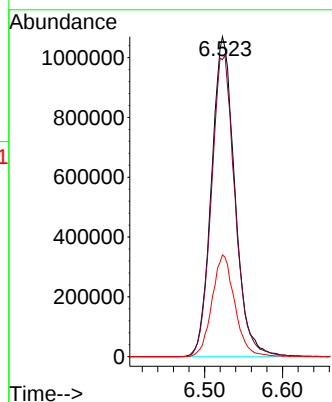
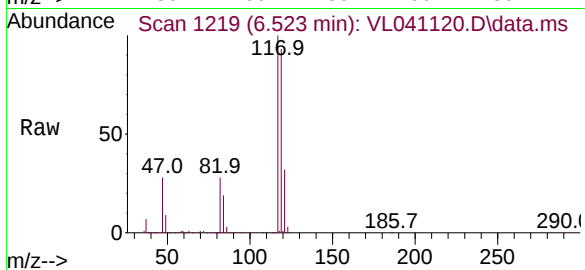
Tgt Ion:117 Resp: 2227783

Ion Ratio Lower Upper

117 100

119 92.8 74.2 111.4

121 31.8 25.4 38.2



#36

Benzene

Concen: 9.618 ppbv

RT: 6.401 min Scan# 1181

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

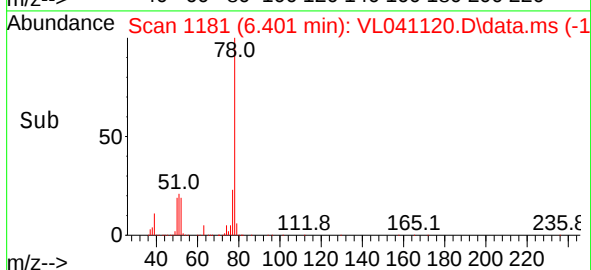
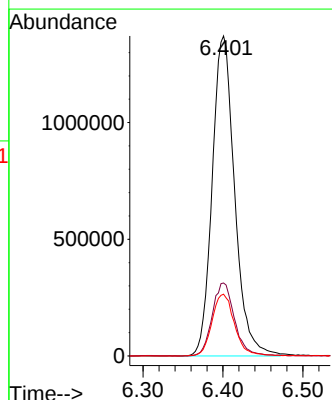
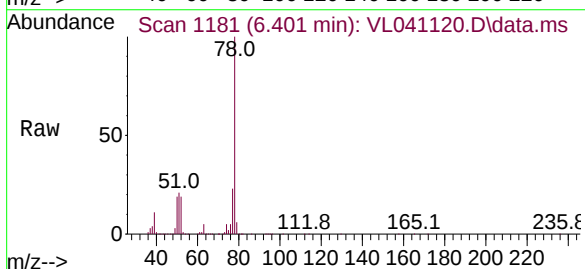
Tgt Ion: 78 Resp: 2671792

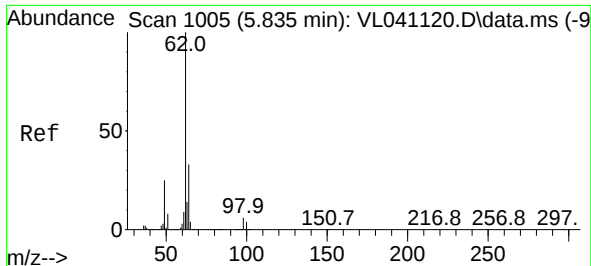
Ion Ratio Lower Upper

78 100

77 22.8 18.2 27.4

50 19.3 15.4 23.2

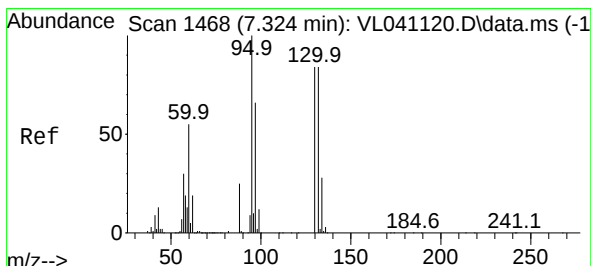
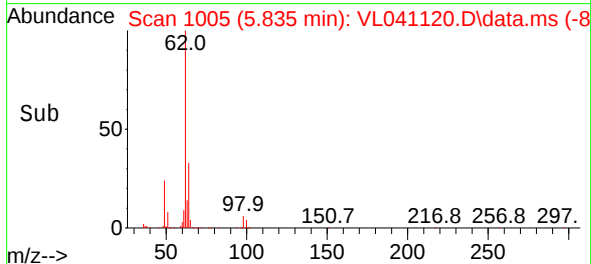
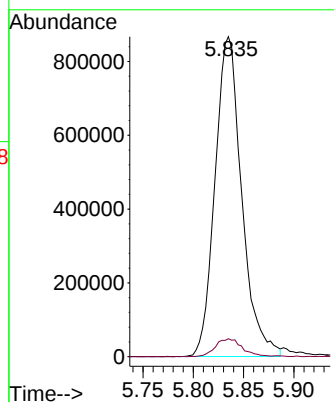
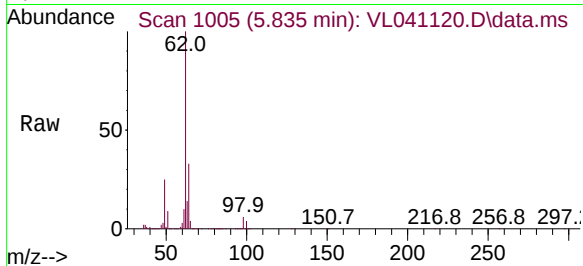




#37
1,2-Dichloroethane
Concen: 9.592 ppbv
RT: 5.835 min Scan# 1005
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

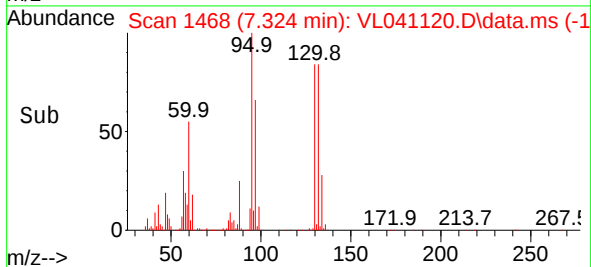
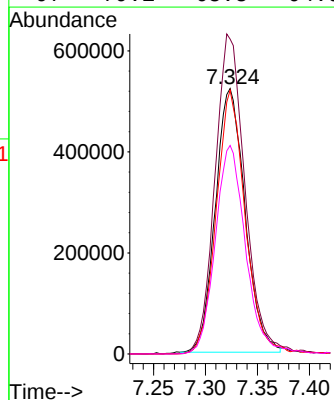
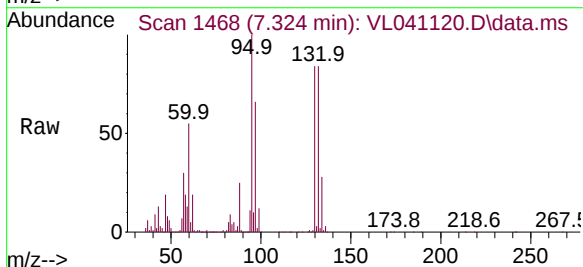
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

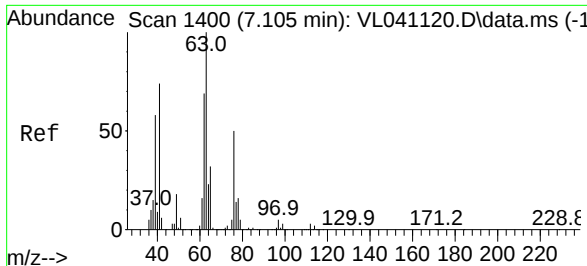
Tgt Ion: 62 Resp: 1601535
Ion Ratio Lower Upper
62 100
98 5.8 4.6 7.0



#38
Trichloroethene
Concen: 10.288 ppbv
RT: 7.324 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion:130 Resp: 1037172
Ion Ratio Lower Upper
130 100
95 119.2 95.4 143.0
132 100.0 80.0 120.0
97 79.1 63.3 94.9





#39

1,2-Dichloropropane

Concen: 9.558 ppbv

RT: 7.105 min Scan# 1400

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

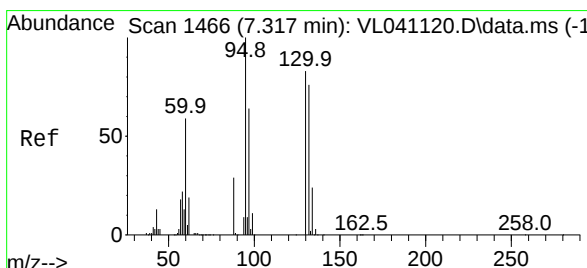
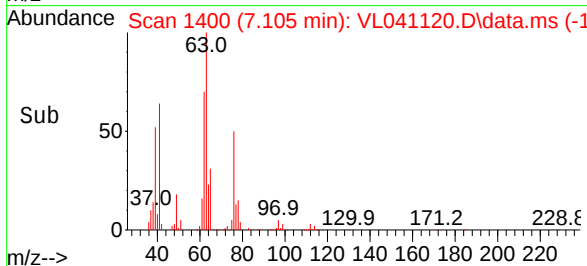
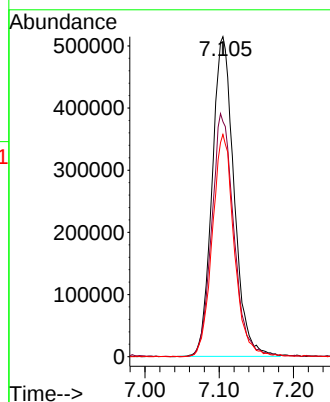
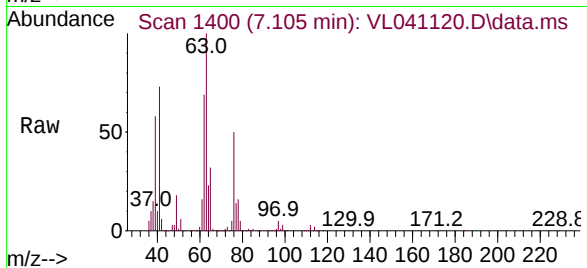
Tgt Ion: 63 Resp: 1053865

Ion Ratio Lower Upper

63 100

41 73.4 58.7 88.1

62 69.4 55.5 83.3



#40

1,4-Dioxane

Concen: 9.686 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Tgt Ion: 88 Resp: 366150

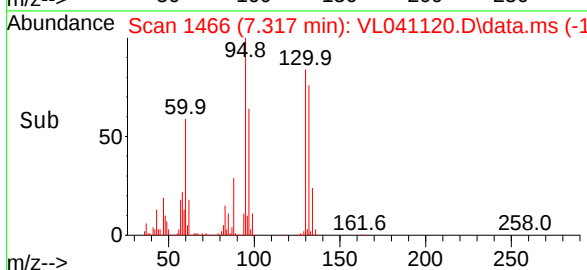
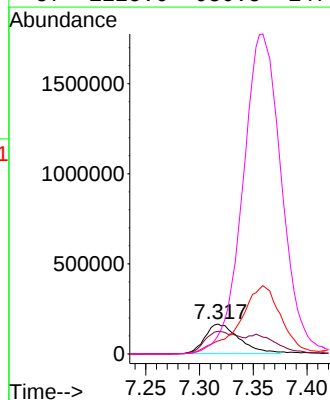
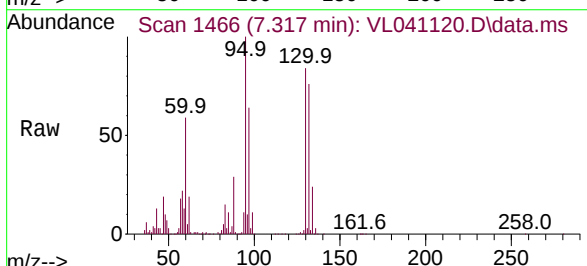
Ion Ratio Lower Upper

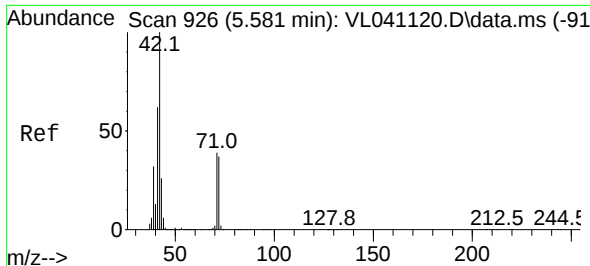
88 100

58 134.7 107.8 161.6

43 279.7 223.8 335.6

57 1225.6 980.5 1470.7

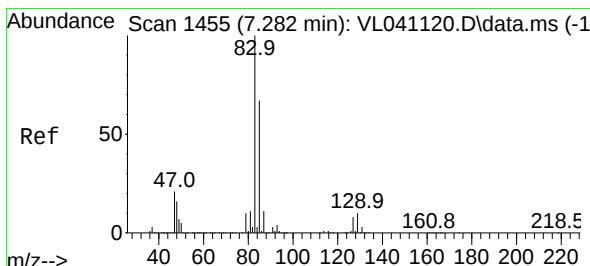
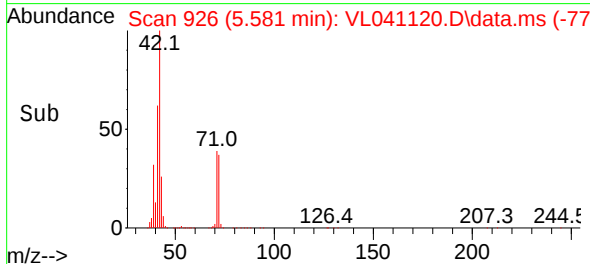
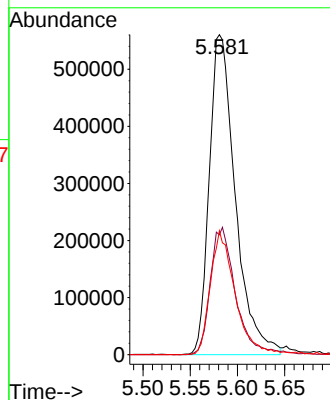
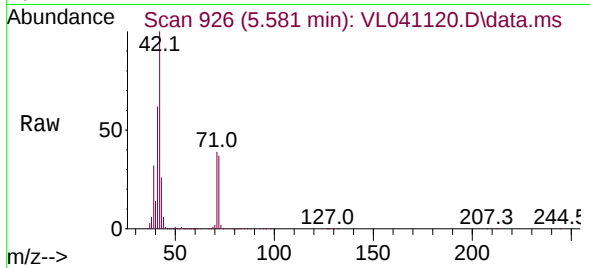




#41
Tetrahydrofuran
Concen: 10.262 ppbv
RT: 5.581 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

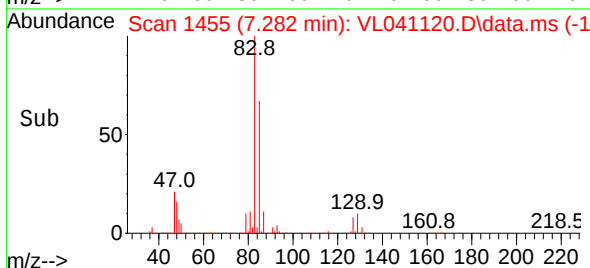
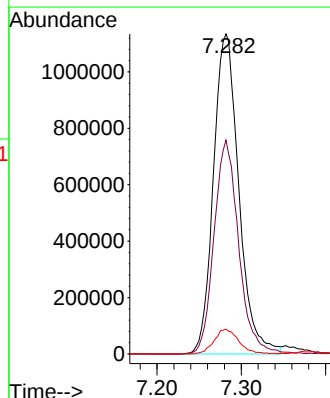
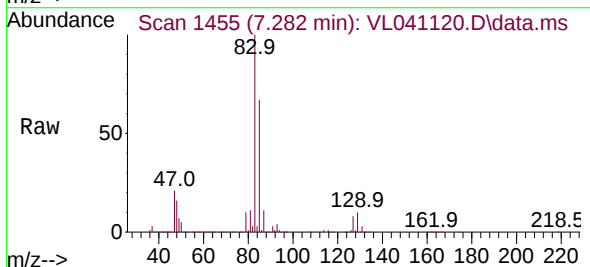
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

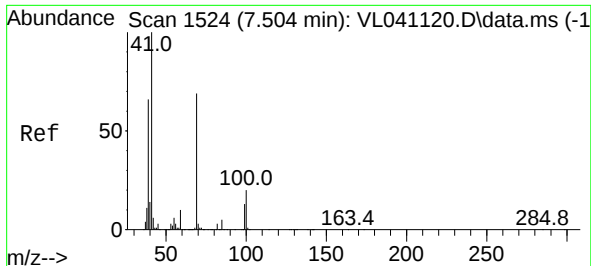
Tgt Ion: 42 Resp: 1073653
Ion Ratio Lower Upper
42 100
72 39.0 31.2 46.8
71 37.4 29.9 44.9



#42
Bromodichloromethane
Concen: 9.943 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 83 Resp: 2371906
Ion Ratio Lower Upper
83 100
85 66.9 53.5 80.3
127 7.8 6.2 9.4



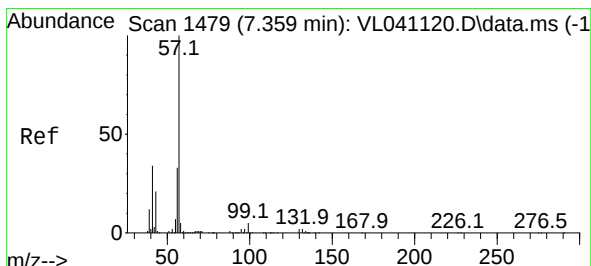
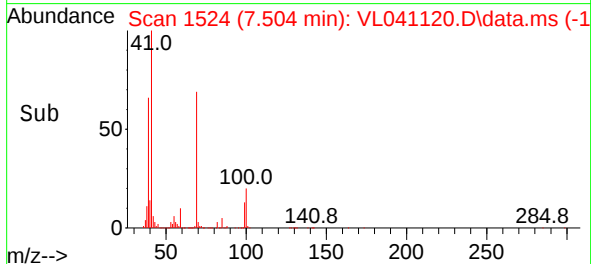
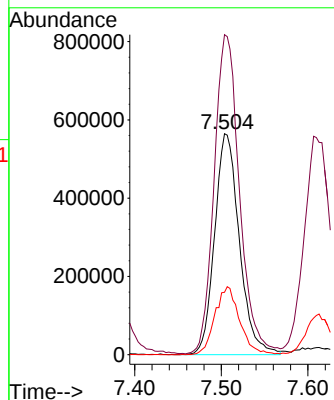
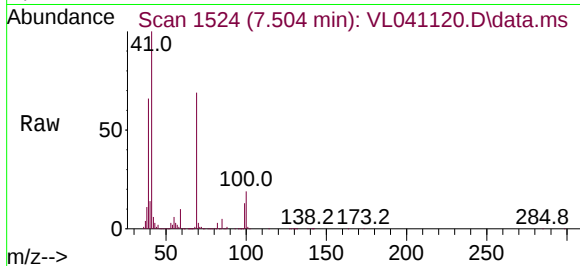


#43
Methyl Methacrylate
Concen: 11.619 ppbv
RT: 7.504 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Instrument :
MSVOA_1
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 1121188

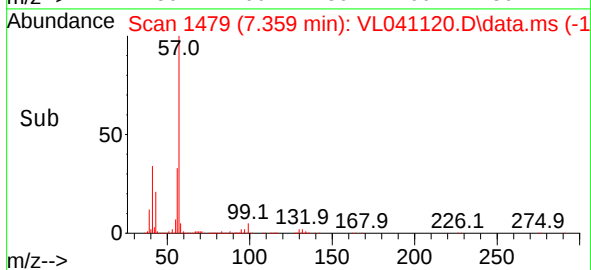
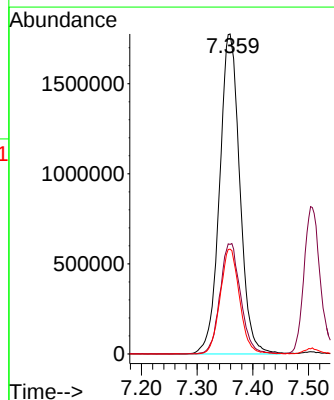
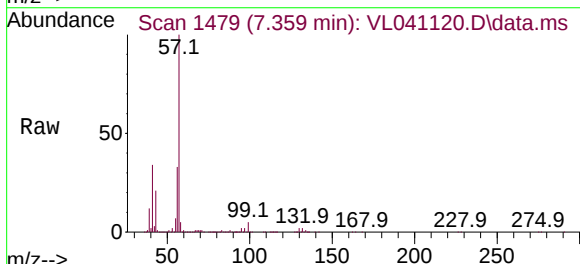
Ion	Ratio	Lower	Upper
69	100		
41	149.0	119.2	178.8
100	30.8	24.6	37.0

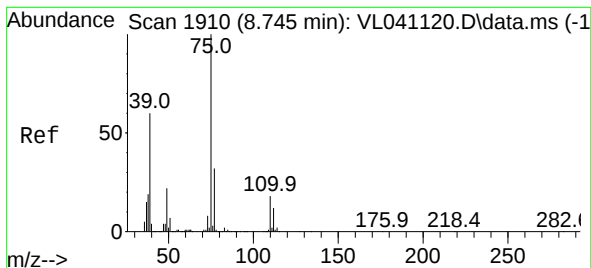


#44
2,2,4-Trimethylpentane
Concen: 9.730 ppbv
RT: 7.359 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 57 Resp: 4479579

Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.2	42.2
56	31.5	25.2	37.8





#45

t-1,3-Dichloropropene

Concen: 11.353 ppbv

RT: 8.745 min Scan# 1910

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

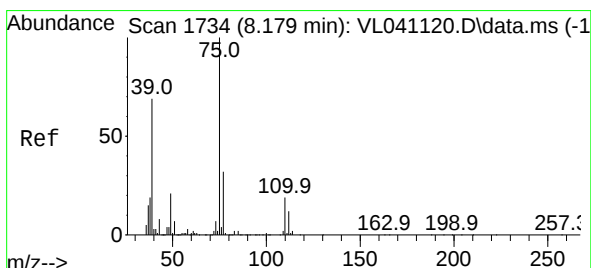
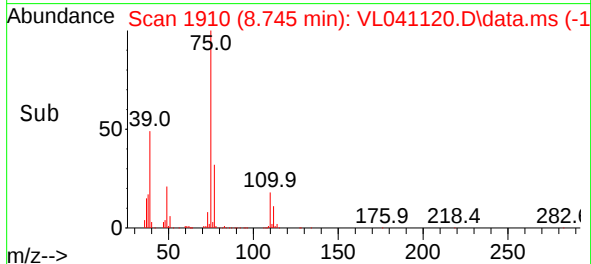
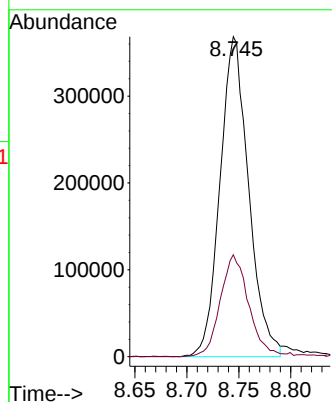
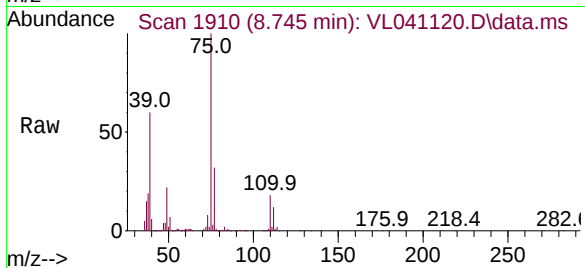
VSTDICCC010

Tgt Ion: 75 Resp: 706053

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 11.025 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

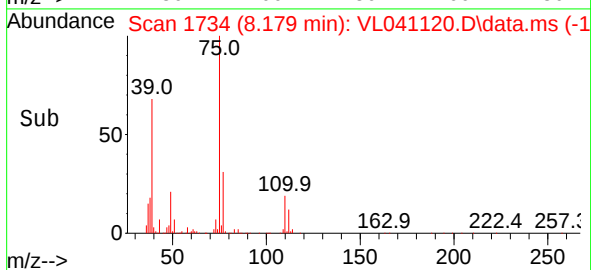
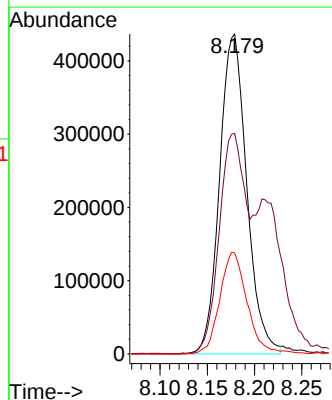
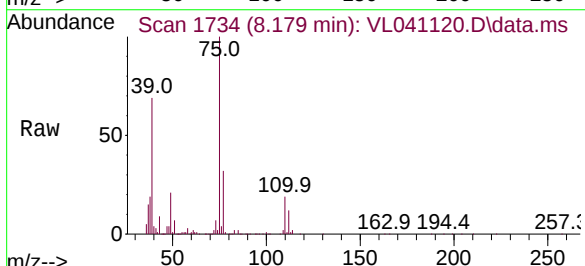
Tgt Ion: 75 Resp: 872825

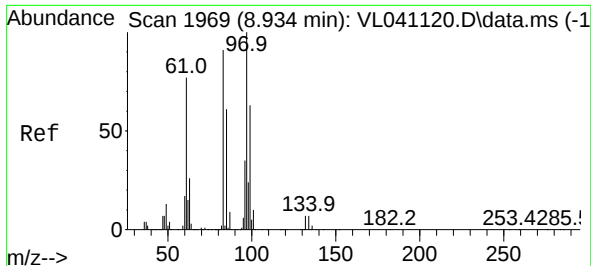
Ion Ratio Lower Upper

75 100

39 68.9 55.1 82.7

77 31.5 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.611 ppbv

RT: 8.934 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 1139110

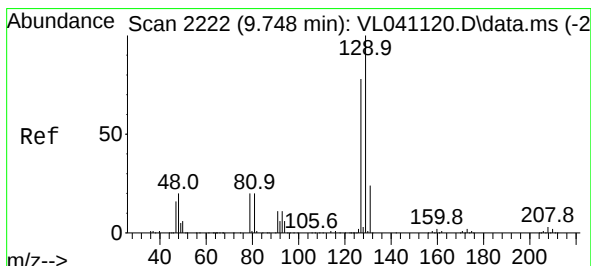
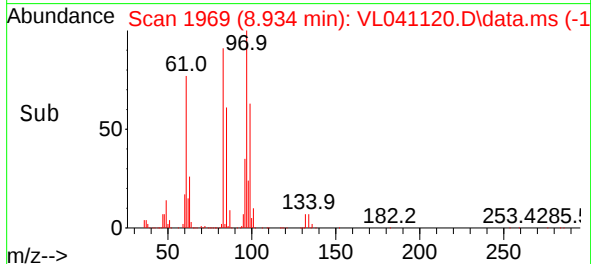
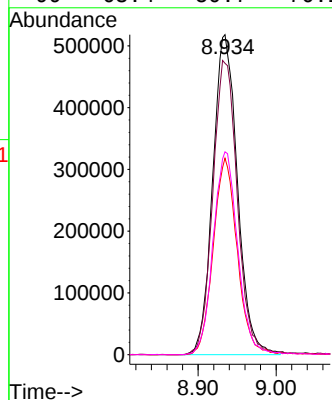
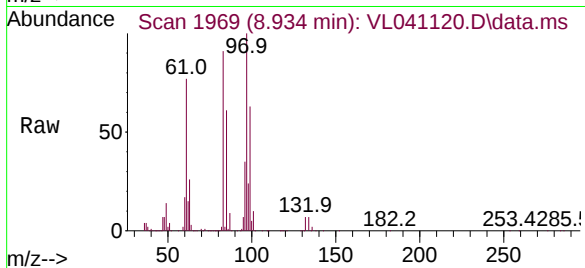
Ion Ratio Lower Upper

97 100

83 91.1 72.9 109.3

85 61.4 49.1 73.7

99 63.4 50.7 76.1



#48

Dibromochloromethane

Concen: 10.516 ppbv

RT: 9.748 min Scan# 2222

Delta R.T. 0.000 min

Lab File: VL041120.D

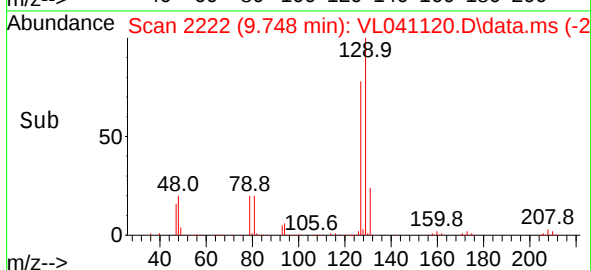
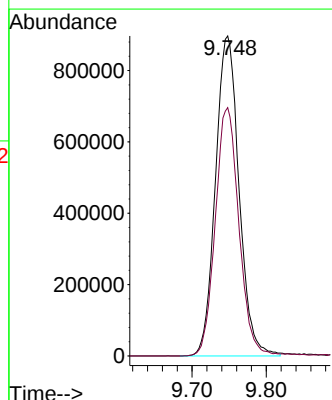
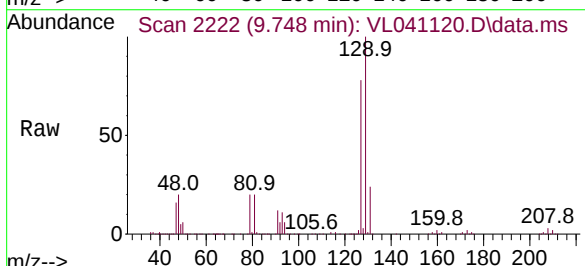
Acq: 4 Apr 2024 9:25

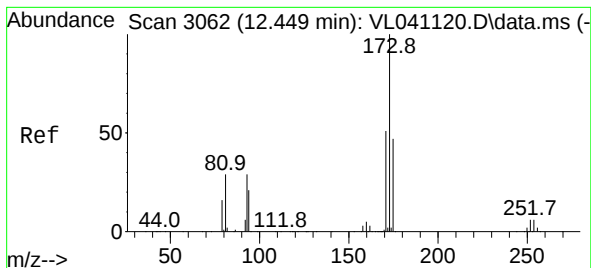
Tgt Ion: 129 Resp: 1978281

Ion Ratio Lower Upper

129 100

127 78.6 39.3 117.9





#49

Bromoform

Concen: 10.637 ppbv

RT: 12.449 min Scan# 3062

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

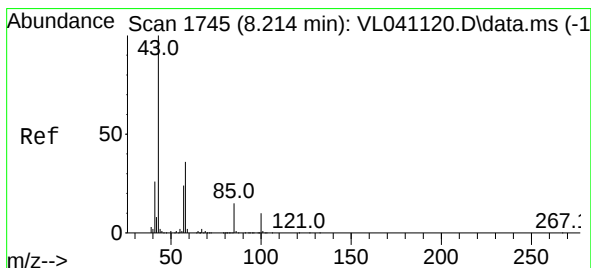
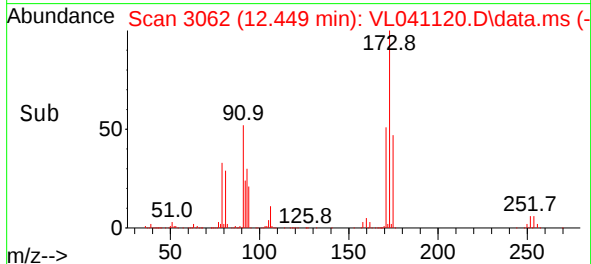
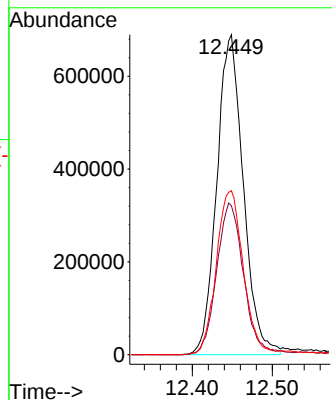
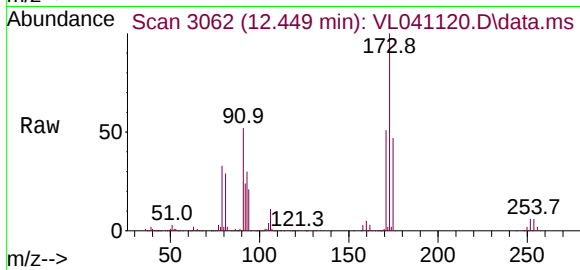
Tgt Ion:173 Resp: 1586223

Ion Ratio Lower Upper

173 100

175 49.2 39.4 59.0

171 53.6 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 10.247 ppbv

RT: 8.214 min Scan# 1745

Delta R.T. 0.000 min

Lab File: VL041120.D

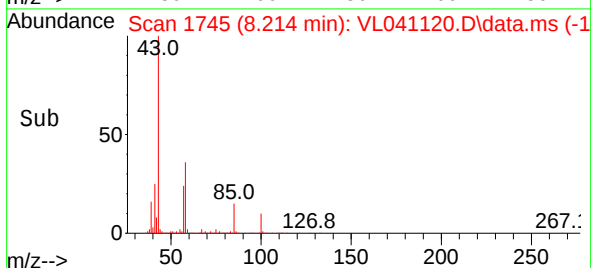
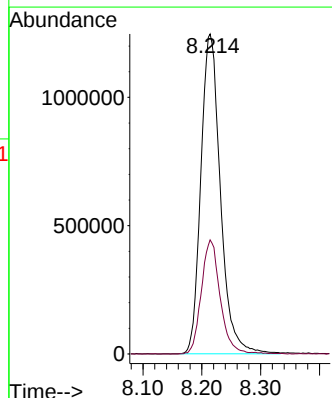
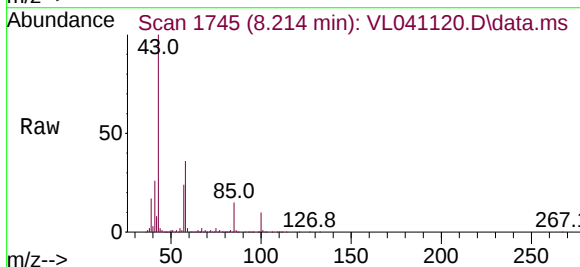
Acq: 4 Apr 2024 9:25

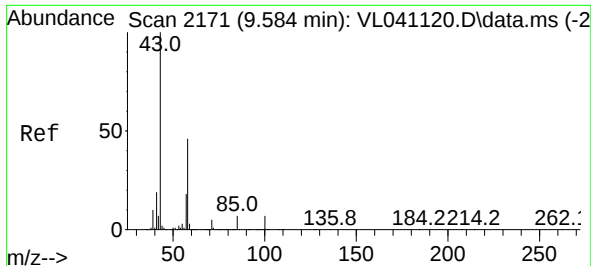
Tgt Ion: 43 Resp: 2875816

Ion Ratio Lower Upper

43 100

58 34.6 27.7 41.5



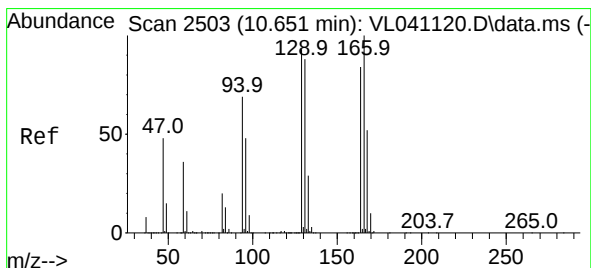
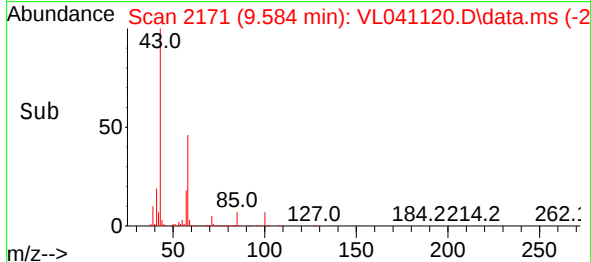
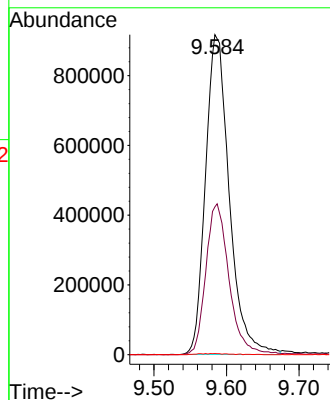
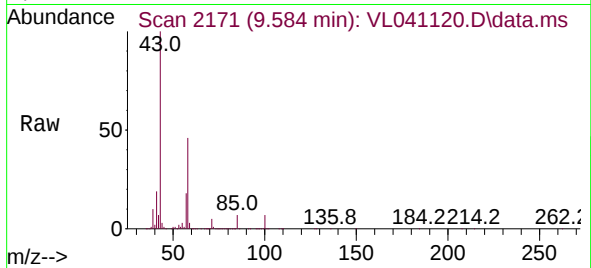


#51
2-Hexanone
Concen: 10.734 ppbv
RT: 9.584 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2088602

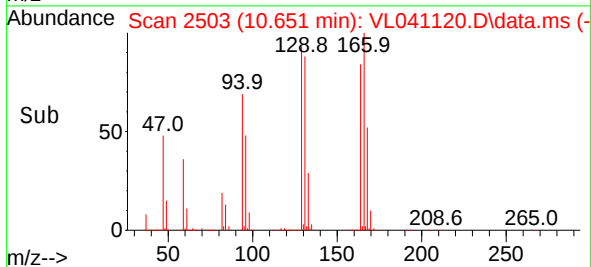
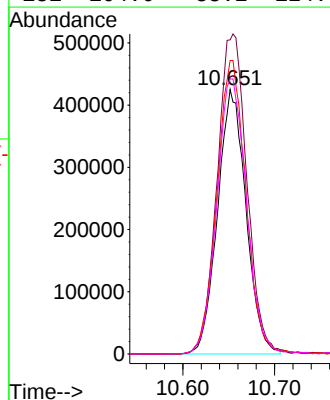
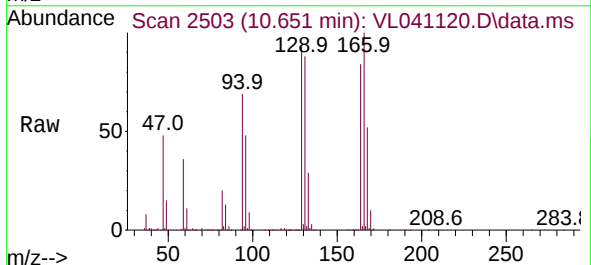
Ion	Ratio	Lower	Upper
43	100		
58	46.6	37.3	55.9
98	0.4	0.3	0.5

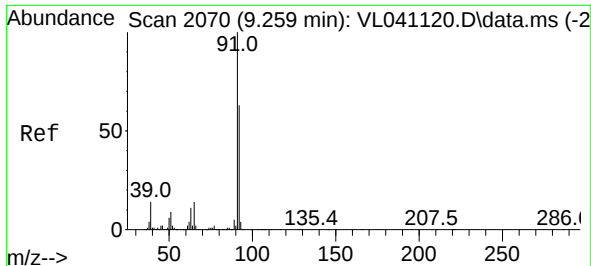


#52
Tetrachloroethene
Concen: 10.270 ppbv
RT: 10.651 min Scan# 2503
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 164 Resp: 914607

Ion	Ratio	Lower	Upper
164	100		
166	118.8	95.0	142.6
129	110.9	88.7	133.1
131	104.0	83.2	124.8





#53

Toluene

Concen: 10.450 ppbv

RT: 9.259 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

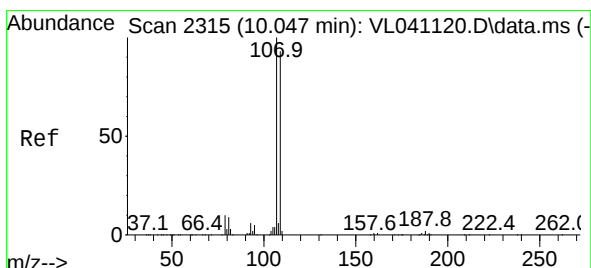
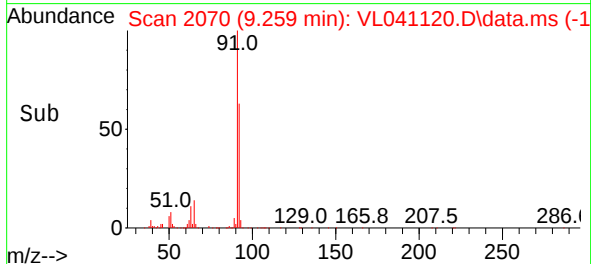
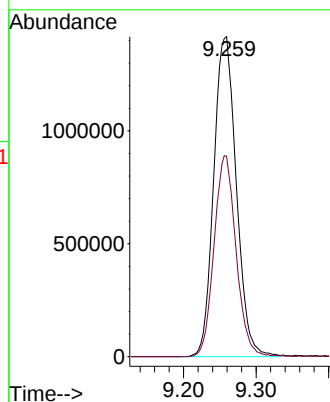
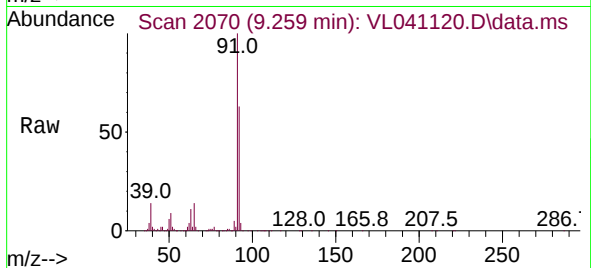
VSTDICCC010

Tgt Ion: 91 Resp: 3070494

Ion Ratio Lower Upper

91 100

92 61.2 49.0 73.4



#54

1,2-Dibromoethane

Concen: 10.712 ppbv

RT: 10.047 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VL041120.D

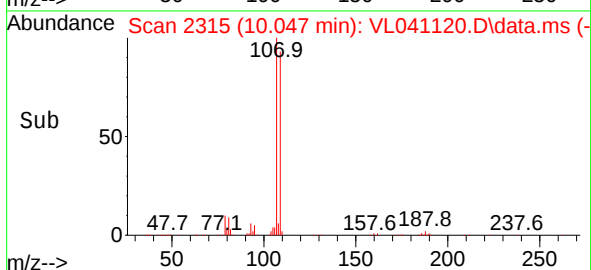
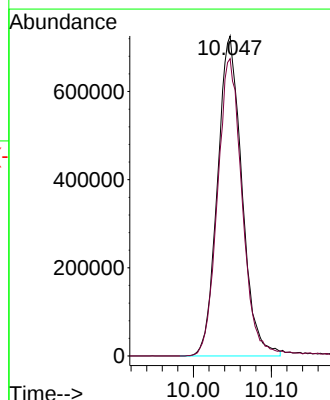
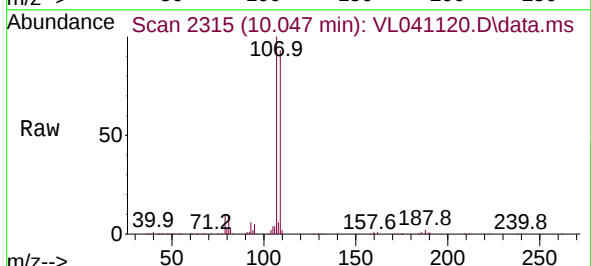
Acq: 4 Apr 2024 9:25

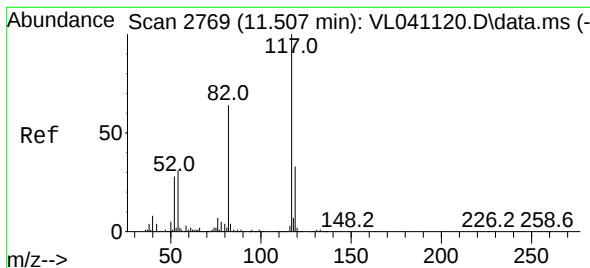
Tgt Ion: 107 Resp: 1582198

Ion Ratio Lower Upper

107 100

109 92.9 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.507 min Scan# 2769

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

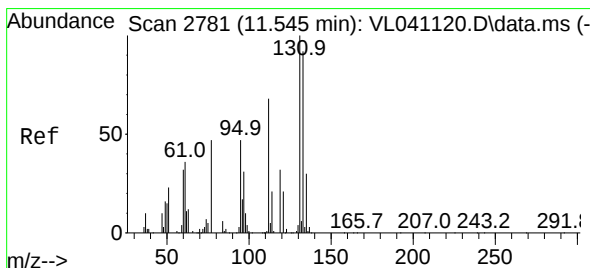
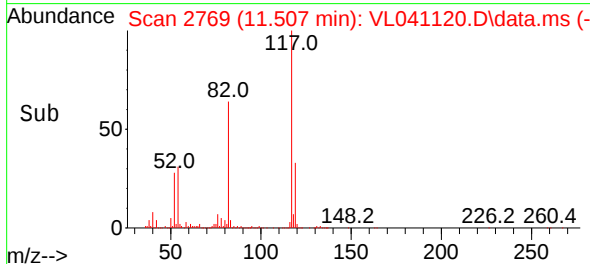
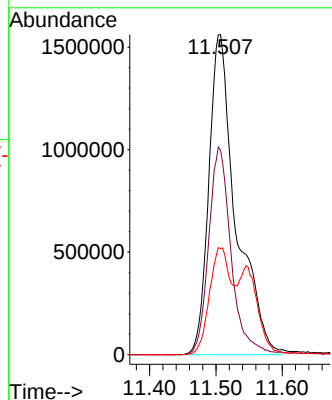
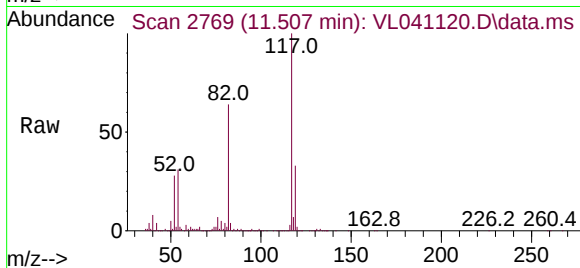
Tgt Ion:117 Resp: 4444969

Ion Ratio Lower Upper

117 100

82 54.3 51.0 76.6

119 26.8 25.2 37.8



#56

1,1,1,2-Tetrachloroethane

Concen: 7.859 ppbv

RT: 11.545 min Scan# 2781

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

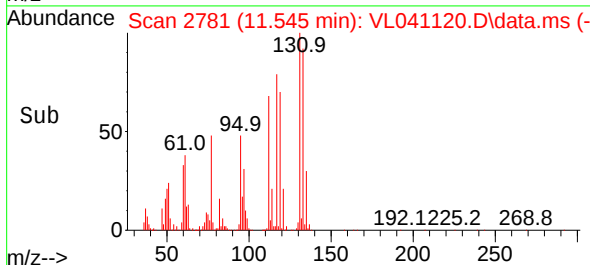
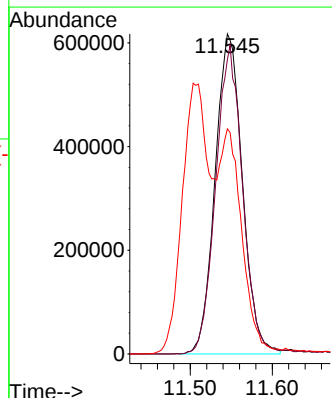
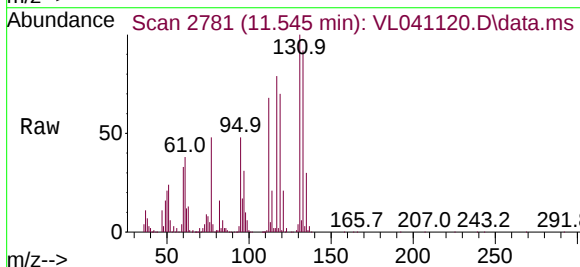
Tgt Ion:131 Resp: 1428791

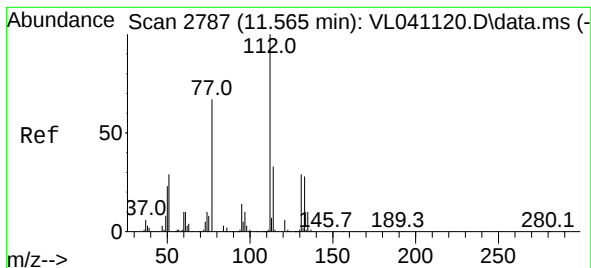
Ion Ratio Lower Upper

131 100

133 95.8 76.6 115.0

119 62.4 49.9 74.9

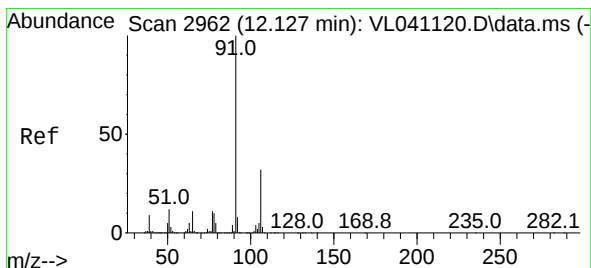
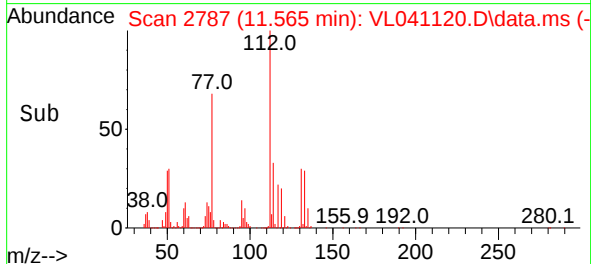
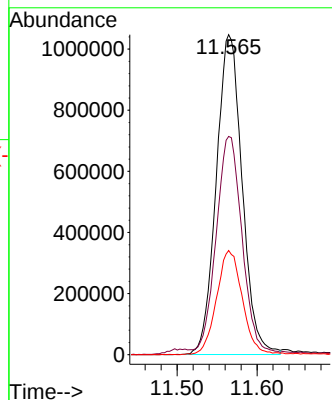
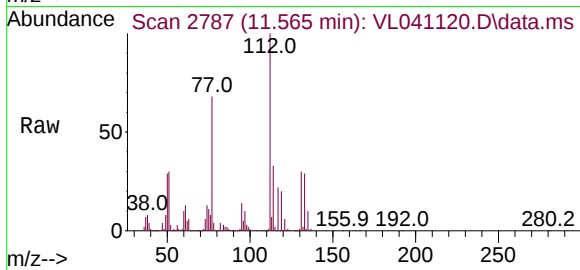




#57
Chlorobenzene
Concen: 7.823 ppbv
RT: 11.565 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

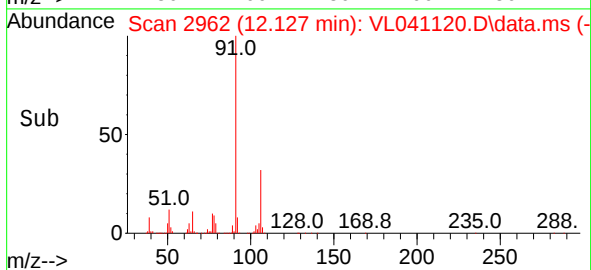
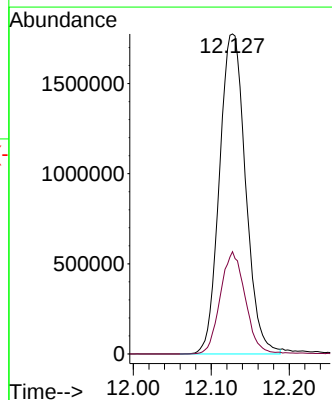
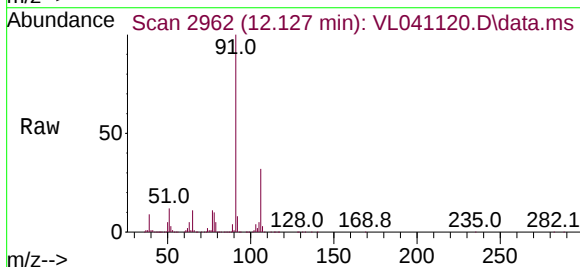
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

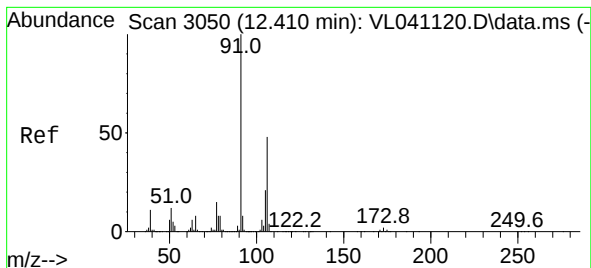
Tgt Ion:112 Resp: 2353541
Ion Ratio Lower Upper
112 100
77 67.5 54.0 81.0
114 32.6 29.3 35.9



#58
Ethyl Benzene
Concen: 8.535 ppbv
RT: 12.127 min Scan# 2962
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 91 Resp: 4131813
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4





#59

m/p-Xylene

Concen: 9.051 ppbv

RT: 12.410 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

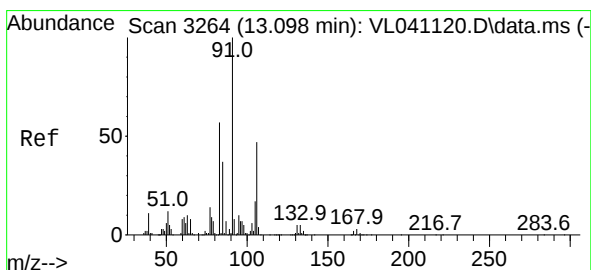
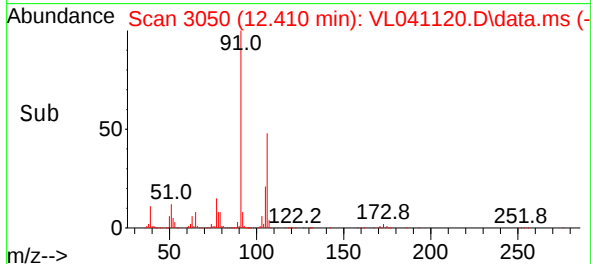
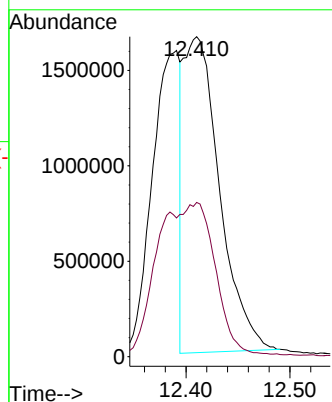
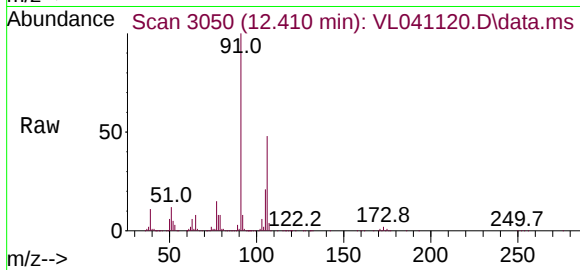
VSTDICCC010

Tgt Ion: 91 Resp: 3960271

Ion Ratio Lower Upper

91 100

106 80.3 35.4 53.2#



#60

o-Xylene

Concen: 8.244 ppbv

RT: 13.098 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VL041120.D

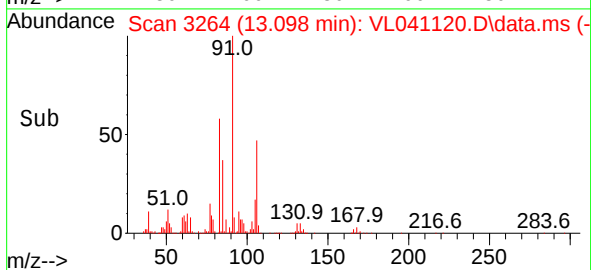
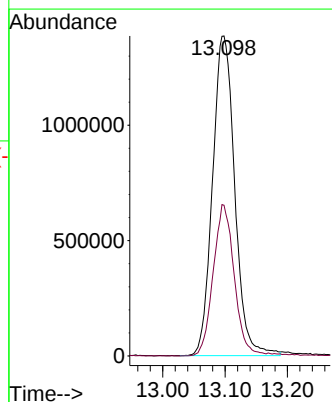
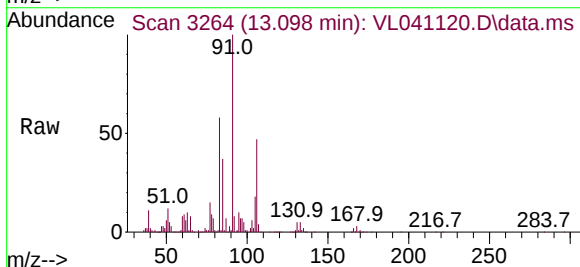
Acq: 4 Apr 2024 9:25

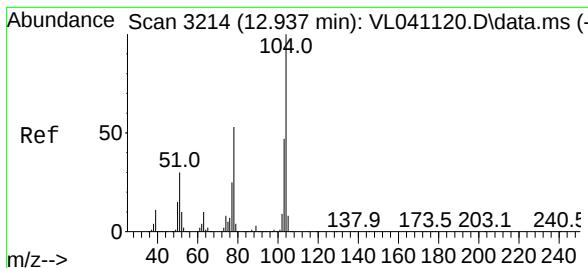
Tgt Ion: 91 Resp: 3430651

Ion Ratio Lower Upper

91 100

106 45.7 22.9 68.5





#61

Styrene

Concen: 9.302 ppbv

RT: 12.937 min Scan# 3214

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

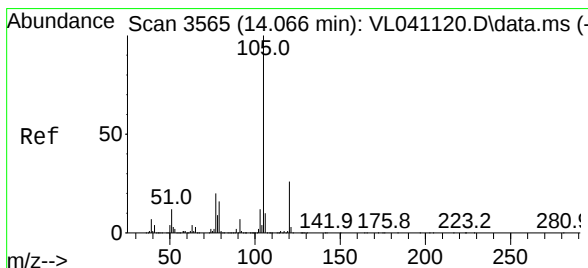
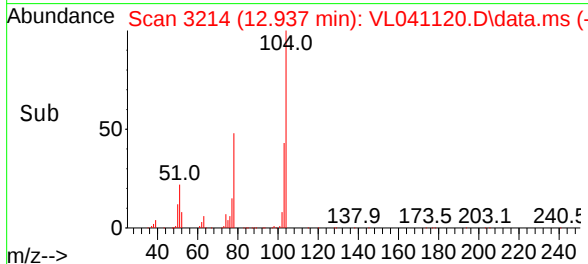
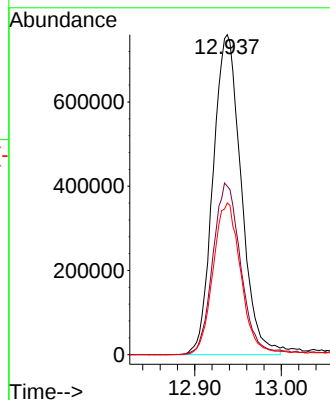
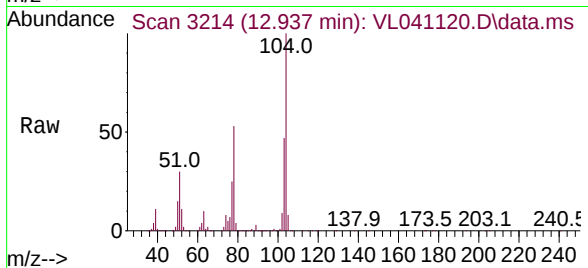
Tgt Ion:104 Resp: 1713433

Ion Ratio Lower Upper

104 100

78 54.1 43.3 64.9

103 47.7 38.2 57.2



#62

Isopropylbenzene

Concen: 8.000 ppbv

RT: 14.066 min Scan# 3565

Delta R.T. 0.000 min

Lab File: VL041120.D

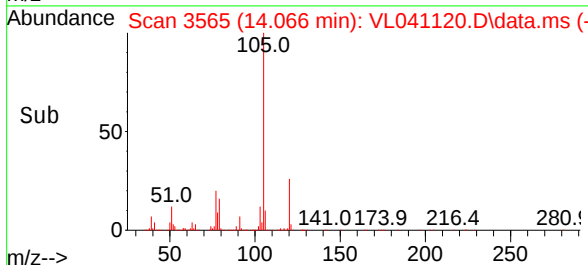
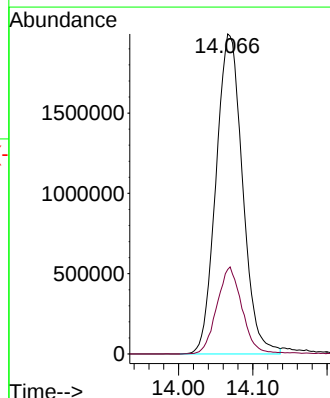
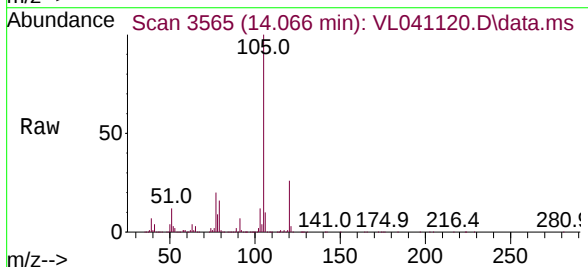
Acq: 4 Apr 2024 9:25

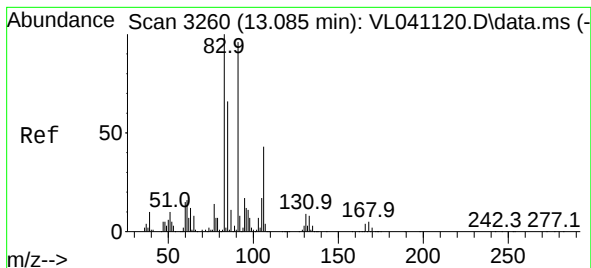
Tgt Ion:105 Resp: 4942195

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

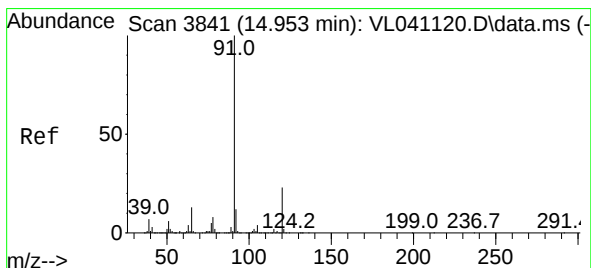
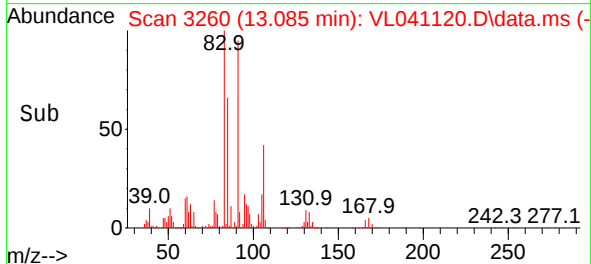
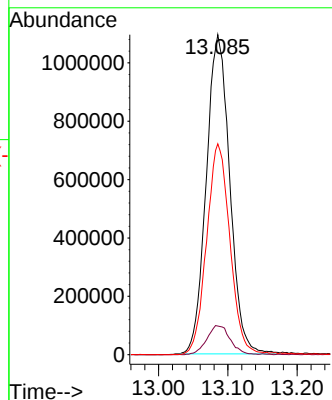
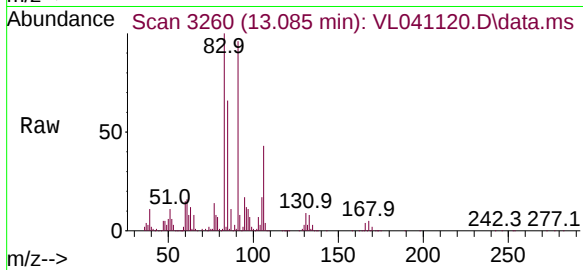




#63
1,1,2,2-Tetrachloroethane
Concen: 7.851 ppbv
RT: 13.085 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

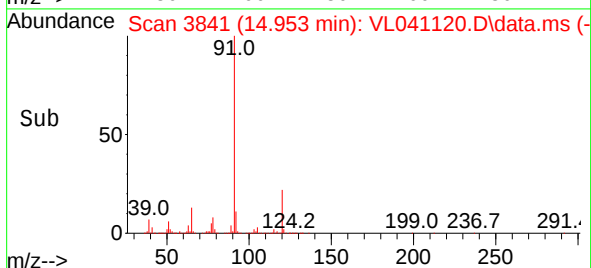
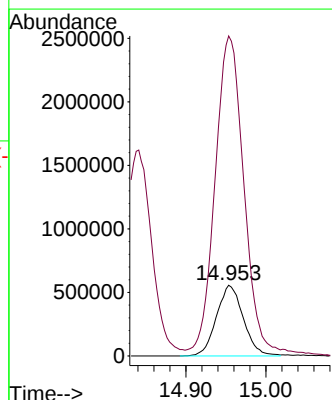
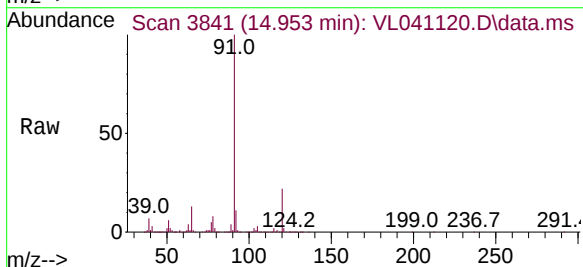
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

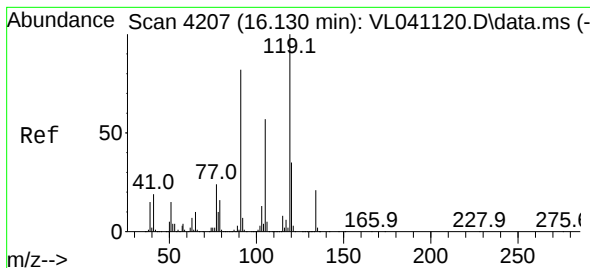
Tgt Ion: 83 Resp: 2578383
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.0
85 66.1 33.1 99.2



#64
n-propylbenzene
Concen: 8.379 ppbv
RT: 14.953 min Scan# 3841
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion:120 Resp: 1295769
Ion Ratio Lower Upper
120 100
91 493.8 395.0 592.6

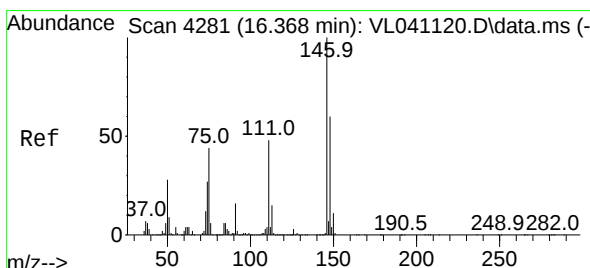
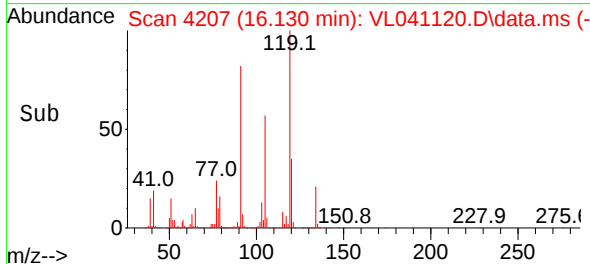
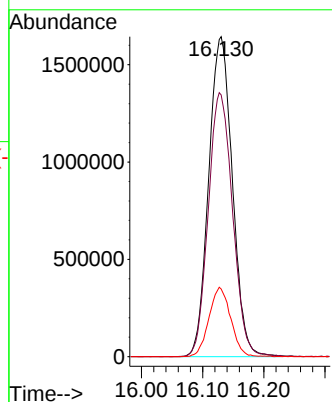
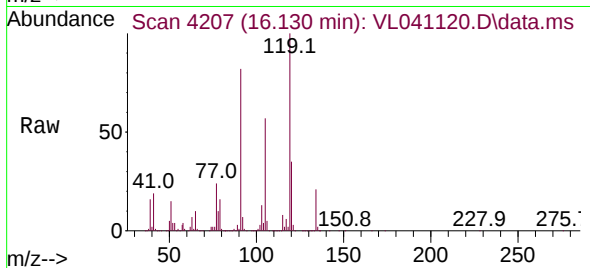




#65
tert-Butylbenzene
Concen: 8.203 ppbv
RT: 16.130 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

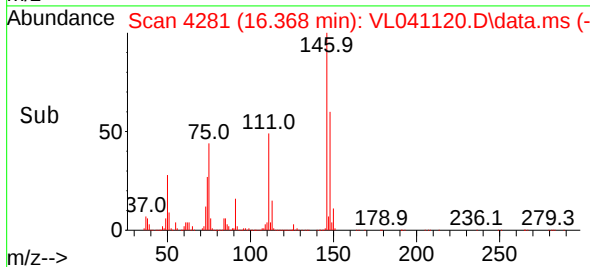
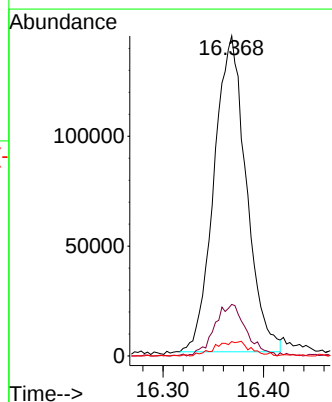
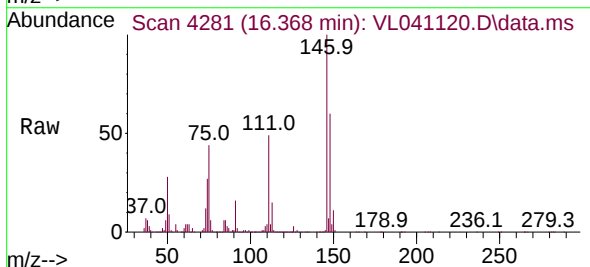
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

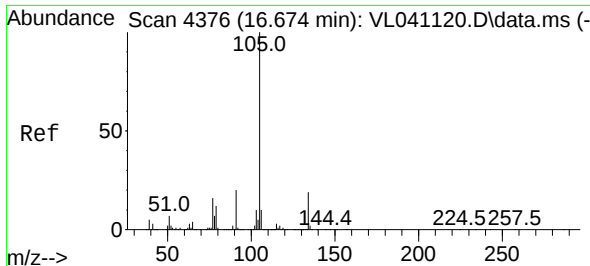
Tgt Ion:119 Resp: 4426369
Ion Ratio Lower Upper
119 100
91 84.8 67.8 101.8
134 20.0 16.0 24.0



#66
Benzyl Chloride
Concen: 9.003 ppbv
RT: 16.368 min Scan# 4281
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 91 Resp: 320179
Ion Ratio Lower Upper
91 100
126 16.8 13.4 20.2
128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.041 ppbv

RT: 16.674 min Scan# 4376

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

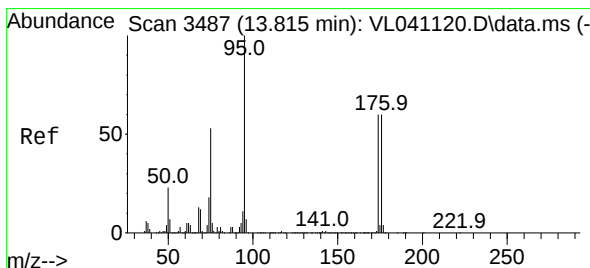
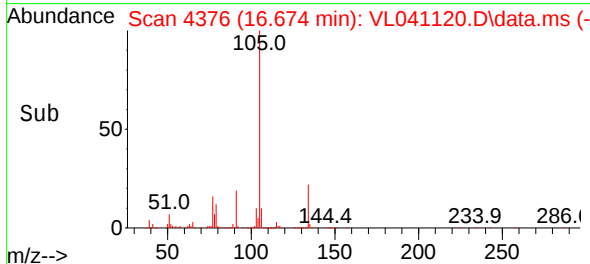
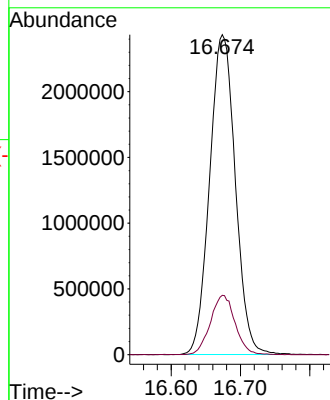
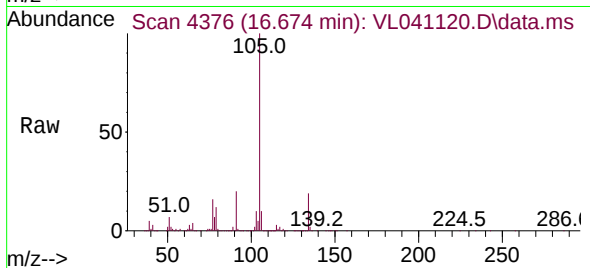
VSTDICCC010

Tgt Ion:105 Resp: 6256972

Ion Ratio Lower Upper

105 100

134 17.9 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 8.269 ppbv

RT: 13.815 min Scan# 3487

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

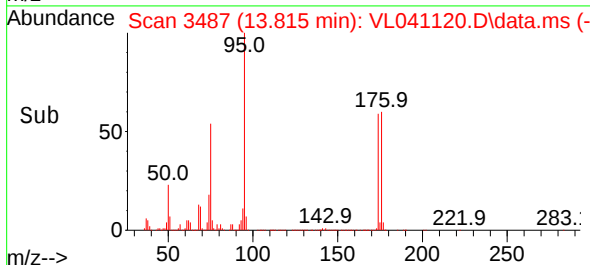
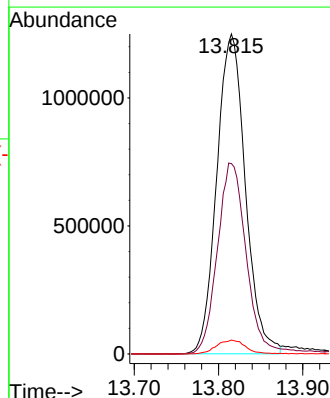
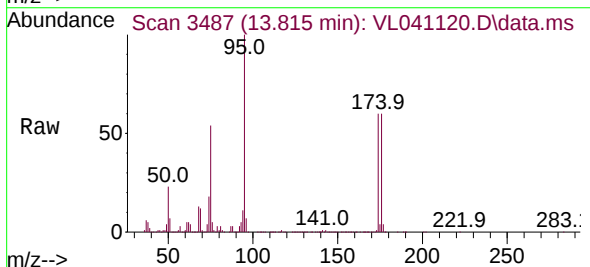
Tgt Ion: 95 Resp: 2944765

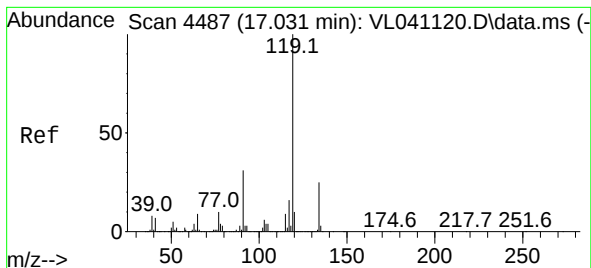
Ion Ratio Lower Upper

95 100

174 61.6 49.3 73.9

175 4.5 3.6 5.4





#69

p-Isopropyltoluene

Concen: 8.394 ppbv

RT: 17.031 min Scan# 4487

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

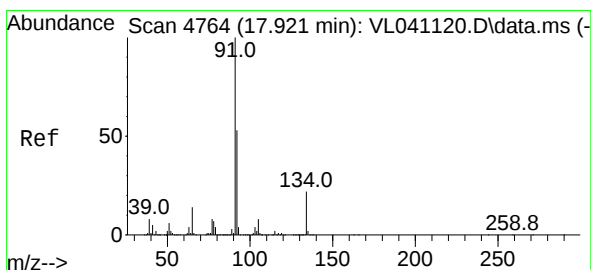
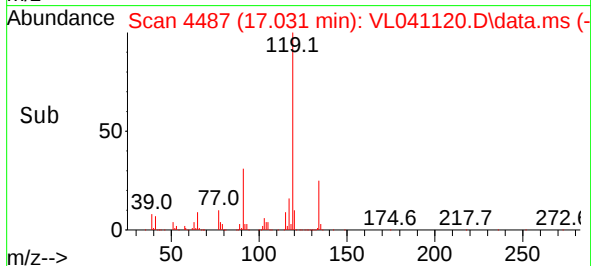
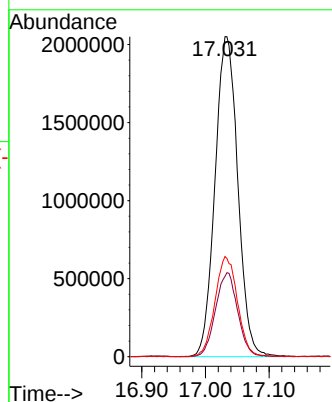
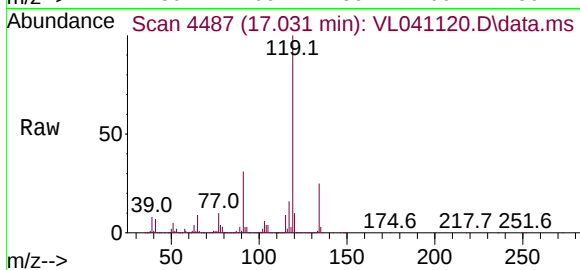
Tgt Ion:119 Resp: 5092334

Ion Ratio Lower Upper

119 100

134 25.6 20.5 30.7

91 31.0 24.8 37.2



#70

n-Butylbenzene

Concen: 8.409 ppbv

RT: 17.921 min Scan# 4764

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

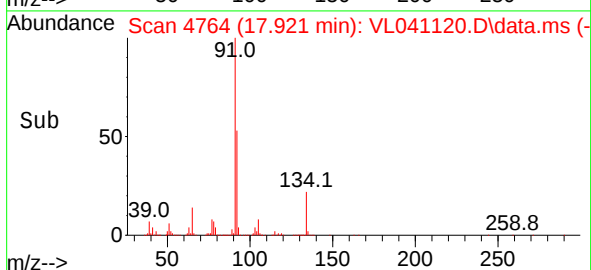
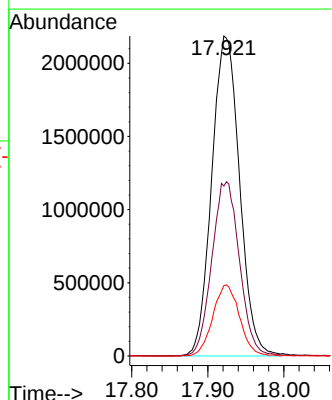
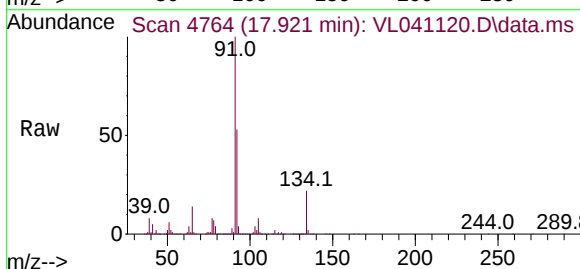
Tgt Ion: 91 Resp: 5555768

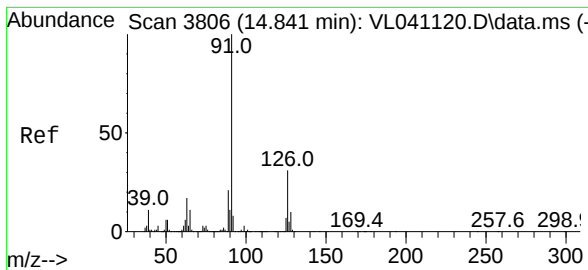
Ion Ratio Lower Upper

91 100

92 54.2 43.4 65.0

134 21.4 17.1 25.7

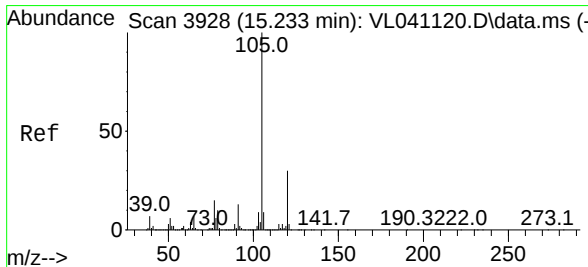
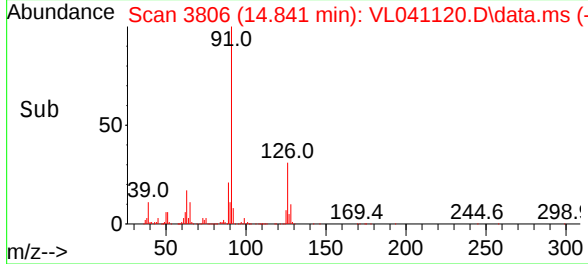
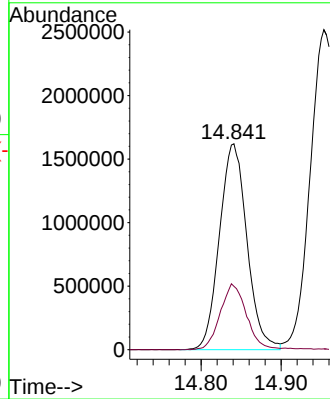
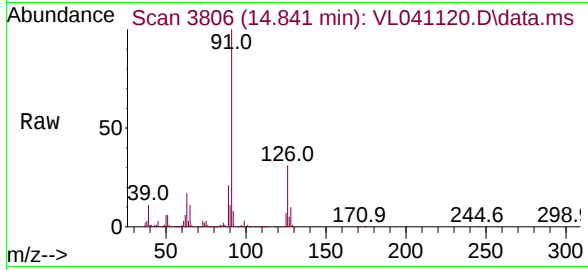




#71
2-Chlorotoluene
Concen: 8.189 ppbv
RT: 14.841 min Scan# 3806
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

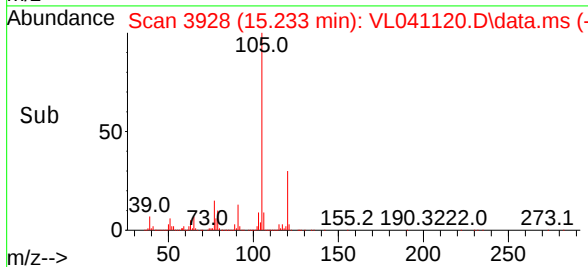
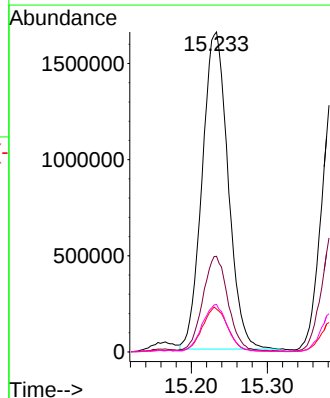
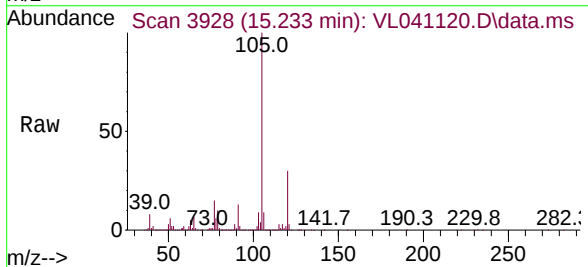
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

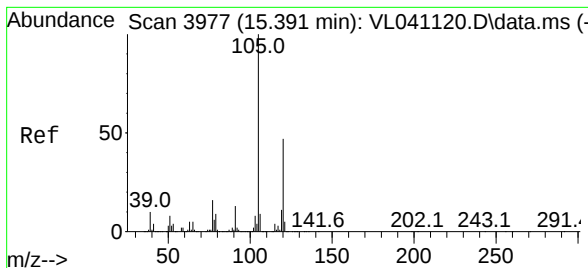
Tgt Ion: 91 Resp: 3874223
Ion Ratio Lower Upper
91 100
126 31.3 12.5 50.1



#72
4-Ethyltoluene
Concen: 8.502 ppbv
RT: 15.233 min Scan# 3928
Delta R.T. 0.000 min
Lab File: VL041120.D
Acq: 4 Apr 2024 9:25

Tgt Ion: 105 Resp: 3903021
Ion Ratio Lower Upper
105 100
120 30.2 24.2 36.2
91 14.0 11.2 16.8
77 15.3 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.349 ppbv

RT: 15.391 min Scan# 3977

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

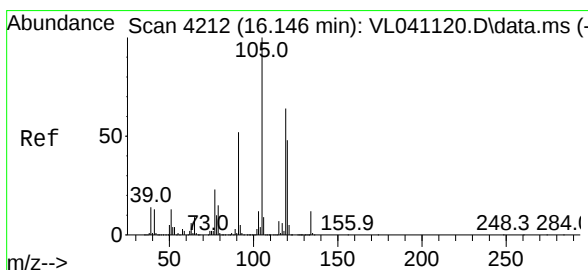
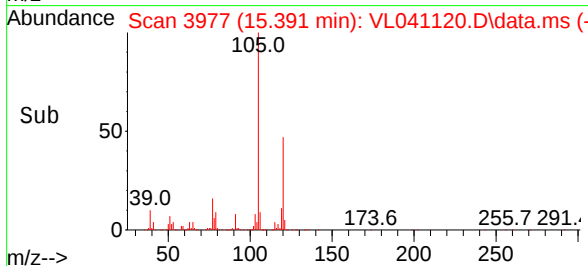
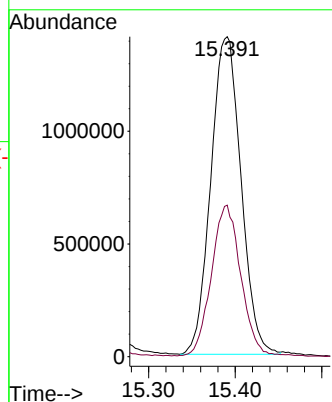
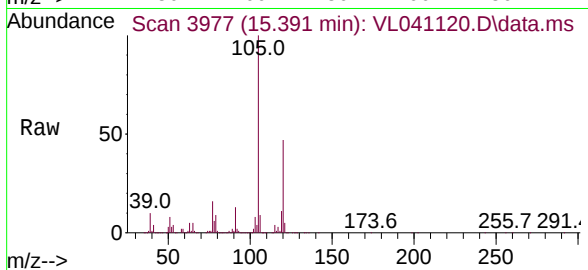
VSTDICCC010

Tgt Ion:105 Resp: 3409771

Ion Ratio Lower Upper

105 100

120 47.3 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 8.185 ppbv

RT: 16.146 min Scan# 4212

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Tgt Ion:105 Resp: 3852236

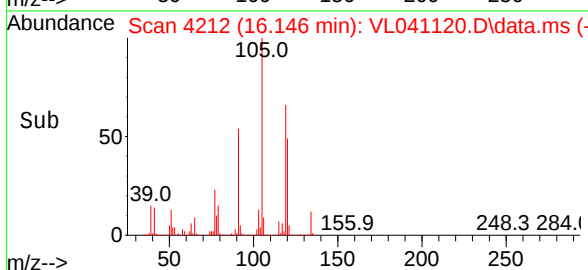
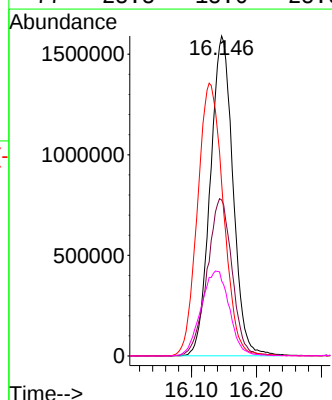
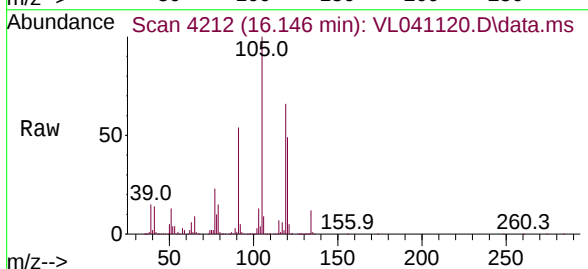
Ion Ratio Lower Upper

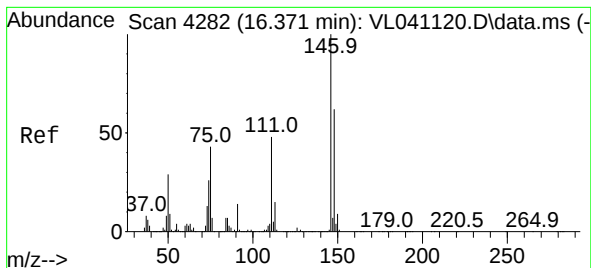
105 100

120 48.6 38.9 58.3

91 53.8 43.0 64.6

77 23.3 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 8.135 ppbv

RT: 16.371 min Scan# 4282

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

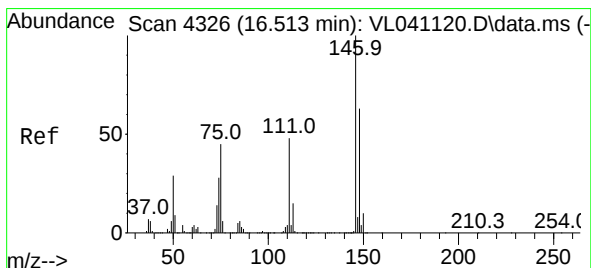
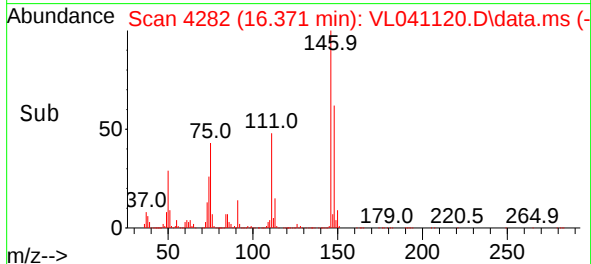
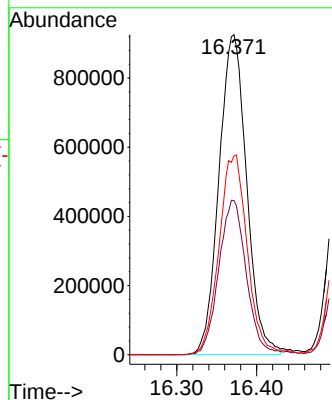
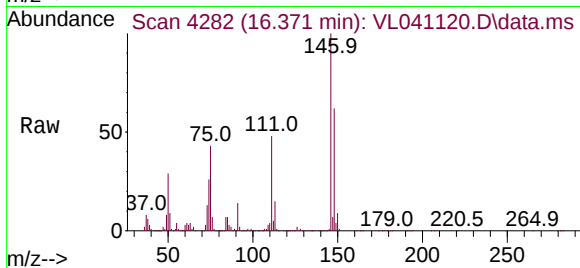
Tgt Ion:146 Resp: 2221164

Ion Ratio Lower Upper

146 100

111 48.3 24.1 72.4

148 64.1 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 8.083 ppbv

RT: 16.513 min Scan# 4326

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

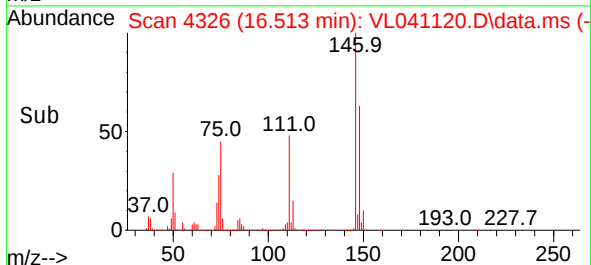
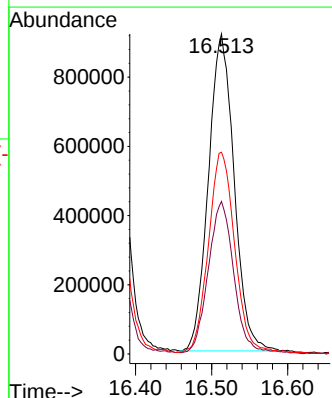
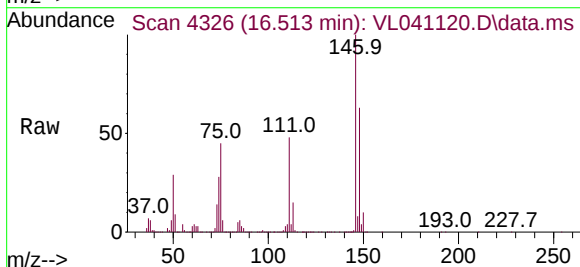
Tgt Ion:146 Resp: 2149783

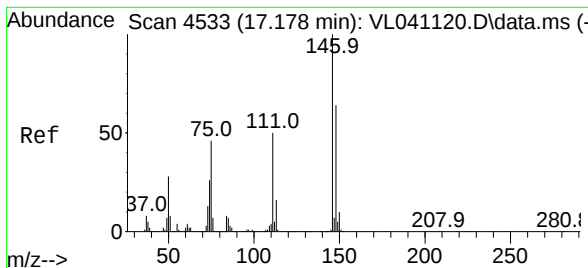
Ion Ratio Lower Upper

146 100

111 48.2 24.1 72.3

148 66.1 33.1 99.2





#77

1,2-Dichlorobenzene

Concen: 8.088 ppbv

RT: 17.178 min Scan# 4533

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

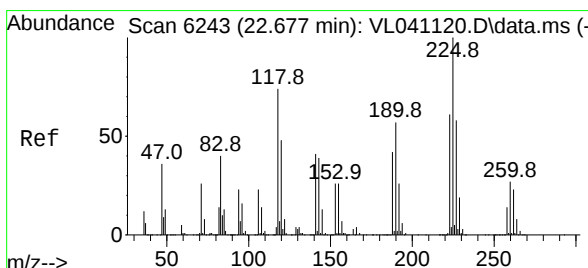
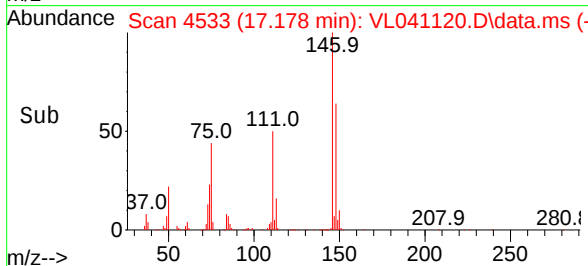
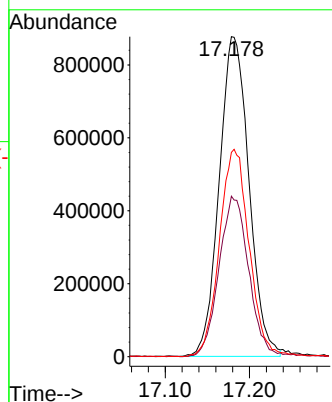
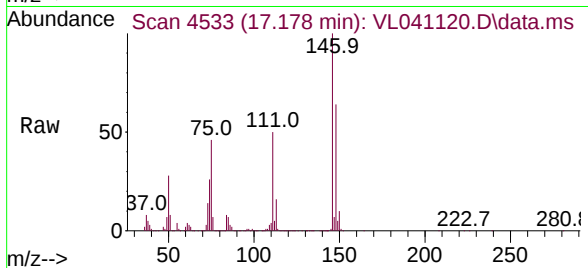
Tgt Ion:146 Resp: 2146629

Ion Ratio Lower Upper

146 100

111 50.2 25.1 75.3

148 65.1 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 7.539 ppbv

RT: 22.677 min Scan# 6243

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

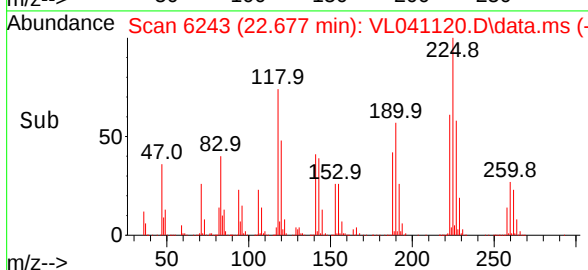
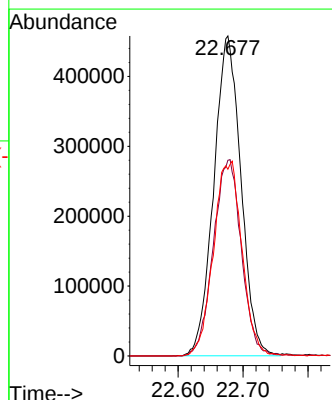
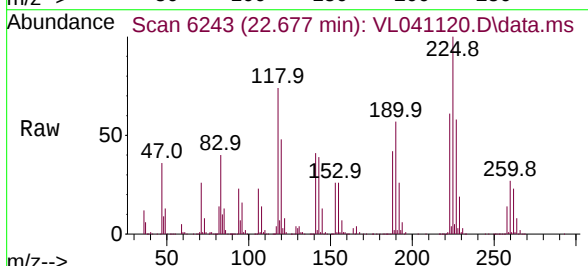
Tgt Ion:225 Resp: 1328860

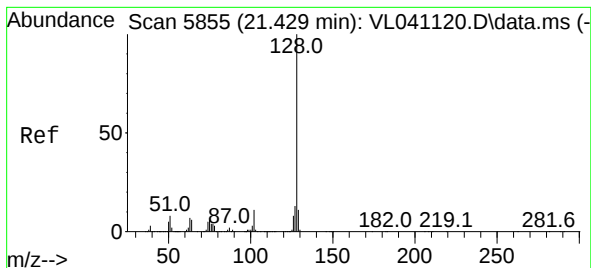
Ion Ratio Lower Upper

225 100

223 63.6 50.9 76.3

227 64.1 51.3 76.9





#79

Naphthalene

Concen: 10.812 ppbv

RT: 21.429 min Scan# 5855

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

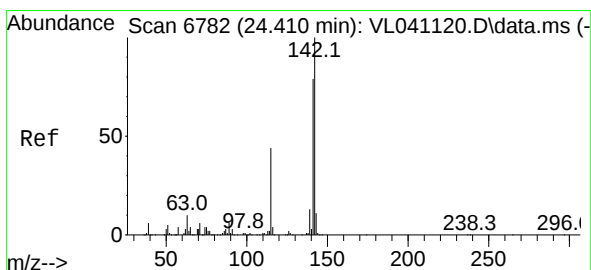
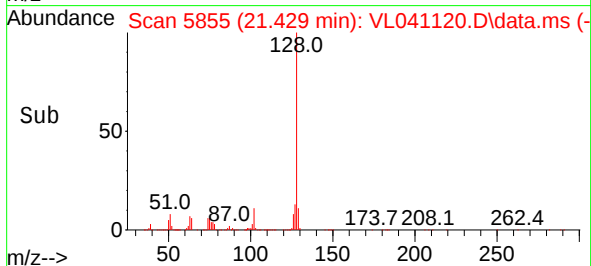
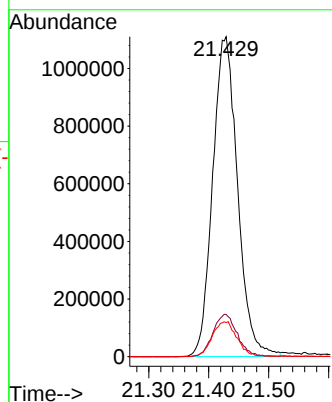
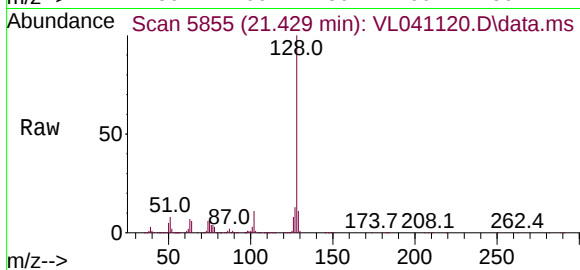
Tgt Ion:128 Resp: 3196420

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 10.7 8.6 12.8



#80

Naphthalene, 2-methyl-

Concen: 11.514 ppbv

RT: 24.410 min Scan# 6782

Delta R.T. 0.000 min

Lab File: VL041120.D

Acq: 4 Apr 2024 9:25

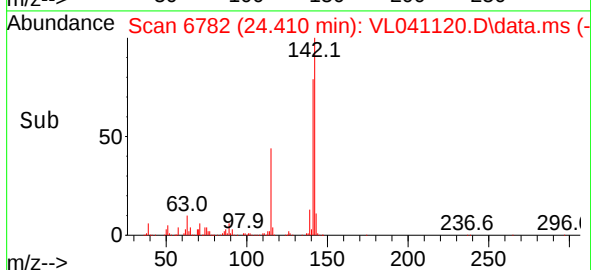
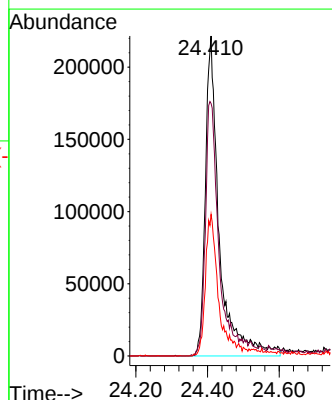
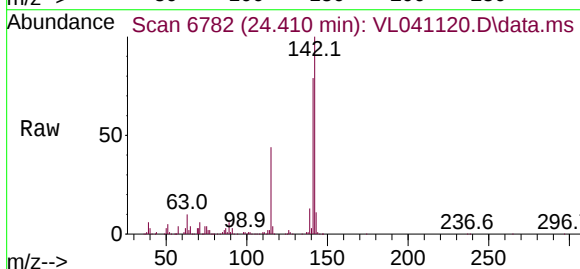
Tgt Ion:142 Resp: 596556

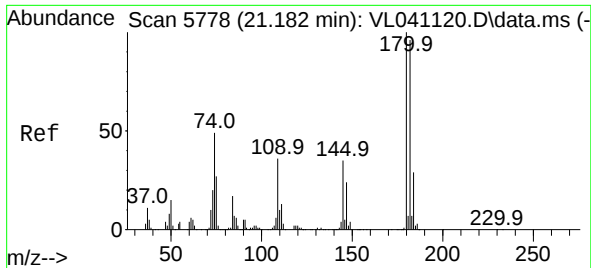
Ion Ratio Lower Upper

142 100

141 80.5 64.4 96.6

115 41.9 33.5 50.3





#81

1,2,4-Trichlorobenzene

Concen: 9.011 ppbv

RT: 21.182 min Scan# 5

Delta R.T. 0.000 min

Lab File: VL041120.D

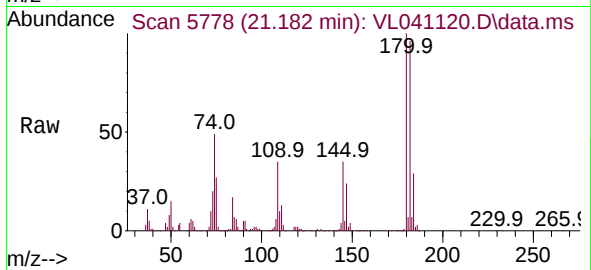
Acq: 4 Apr 2024 9:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010



Tgt Ion:180 Resp: 1534915

Ion Ratio Lower Upper

180 100

182 96.8 77.4 116.2

184 31.1 24.9 37.3

