

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041123.D
 Acq On : 4 Apr 2024 11:23
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Apr 05 04:17:19 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	5.214	49	1419721	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.681	114	3651490	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	3267363	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.809	95	2692141	10.284	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	142152	0.584	ppbv	89
3) Chlorodifluoromethane	2.678	51	119336	0.546	ppbv	100
4) Chloromethane	2.819	50	44863	0.542	ppbv	91
5) Vinyl Chloride	2.928	62	42545	0.538	ppbv	100
6) Bromomethane	3.131	94	15135	0.503	ppbv	83
7) Chloroethane	3.205	64	13293	0.461	ppbv #	89
8) Dichlorotetrafluoroethane	2.864	85	111325	0.537	ppbv	99
9) Propene	2.700	41	35117	0.505	ppbv	91
10) Heptane	7.607	43	74335	0.450	ppbv	98
11) Trichlorofluoromethane	3.575	101	118102	0.536	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.083	101	82707	0.519	ppbv	97
13) Ethanol	3.266	45	1925	0.119	ppbv #	38
14) Bromoethene	3.378	108	32939	0.525	ppbv #	96
15) Acetone	3.494	43	80910	0.526	ppbv	92
16) 1,3-Butadiene	2.996	39	36753	0.487	ppbv	91
17) tert-Butyl alcohol	3.909	59	37518	0.269	ppbv #	68
18) 1,1-Dichloroethene	3.896	96	34267	0.504	ppbv #	90
19) Isopropyl Alcohol	3.610	45	22128	0.234	ppbv #	82
20) Methylene Chloride	3.948	84	37303	0.588	ppbv	93
21) Allyl Chloride	4.018	41	47816	0.510	ppbv	89
22) trans-1,2-Dichloroethene	4.465	96	25799	0.364	ppbv	95
23) Vinyl Acetate	4.658	43	66162	0.415	ppbv #	94
24) 1,1-Dichloroethane	4.584	63	74257	0.520	ppbv	96
25) Ethyl Acetate	5.237	43	142641	0.494	ppbv #	95
26) Hexane	5.234	57	62390	0.482	ppbv	89
27) Carbon Disulfide	4.144	76	69411	0.441	ppbv #	85
28) Methyl tert-Butyl Ether	4.620	73	47547	0.486	ppbv	97
29) Chloroform	5.292	83	113625	0.520	ppbv	96
30) Cyclohexane	6.632	84	37566	0.361	ppbv #	86
31) cis-1,2-Dichloroethene	5.099	61	58059	0.474	ppbv	95
32) 1,1,1-Trichloroethane	6.028	97	105495	0.523	ppbv	98
34) 2-Butanone	4.819	43	75524	0.479	ppbv	99
35) Carbon Tetrachloride	6.517	117	106043	0.509	ppbv #	93
36) Benzene	6.394	78	70069	0.262	ppbv	95
37) 1,2-Dichloroethane	5.832	62	81410	0.506	ppbv	98
38) Trichloroethene	7.317	130	47038	0.484	ppbv	96
39) 1,2-Dichloropropane	7.095	63	32505	0.306	ppbv	89
40) 1,4-Dioxane	7.314	88	94	0.003	ppbv #	1
41) Tetrahydrofuran	5.610	42	45117	0.447	ppbv	98
42) Bromodichloromethane	7.275	83	106596	0.463	ppbv #	92
43) Methyl Methacrylate	7.504	69	16495	0.177	ppbv #	1
44) 2,2,4-Trimethylpentane	7.356	57	203674	0.459	ppbv	94
45) t-1,3-Dichloropropene	8.748	75	7854	0.131	ppbv	93

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC0.5

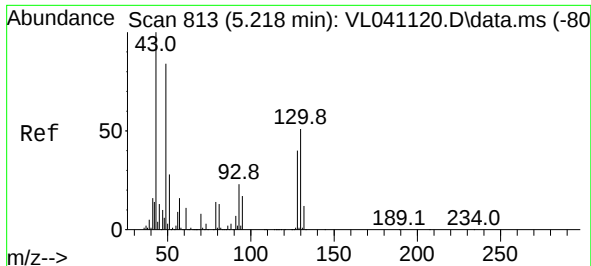
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 05 04:13:19 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	17690	0.232	ppbv	89
47) 1,1,2-Trichloroethane	8.931	97	35572	0.311	ppbv	92
48) Dibromochloromethane	9.742	129	77548	0.428	ppbv	99
49) Bromoform	12.436	173	52179	0.363	ppbv	88
50) 4-Methyl-2-Pentanone	8.227	43	65233	0.241	ppbv #	40
51) 2-Hexanone	9.610	43	66086	0.352	ppbv #	92
52) Tetrachloroethene	10.645	164	41258	0.480	ppbv	99
53) Toluene	9.259	91	42357	0.149	ppbv #	1
54) 1,2-Dibromoethane	10.041	107	38330	0.269	ppbv	85
56) 1,1,1,2-Tetrachloroethane	11.539	131	67861	0.508	ppbv #	1
57) Chlorobenzene	11.555	112	69119	0.313	ppbv #	68
58) Ethyl Benzene	12.121	91	154261	0.434	ppbv	90
59) m/p-Xylene	12.407	91	108071	0.336	ppbv #	1
60) o-Xylene	13.089	91	70828	0.232	ppbv #	31
61) Styrene	12.934	104	46513	0.344	ppbv	89
62) Isopropylbenzene	14.060	105	111544	0.246	ppbv #	49
63) 1,1,2,2-Tetrachloroethane	13.085	83	67990	0.282	ppbv #	43
64) n-propylbenzene	14.950	120	43324	0.381	ppbv #	46
65) tert-Butylbenzene	16.124	119	103719	0.261	ppbv #	26
66) Benzyl Chloride	16.362	91	1209	0.046	ppbv #	56
67) sec-Butylbenzene	16.674	105	265180	0.464	ppbv	99
69) p-Isopropyltoluene	17.034	119	192236	0.431	ppbv	96
70) n-Butylbenzene	17.925	91	191803	0.395	ppbv	98
71) 2-Chlorotoluene	14.835	91	103054	0.296	ppbv	69
72) 4-Ethyltoluene	15.230	105	146578	0.434	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.388	105	124123	0.413	ppbv	92
74) 1,2,4-Trimethylbenzene	16.140	105	153563	0.444	ppbv #	89
75) 1,3-Dichlorobenzene	16.375	146	90946	0.453	ppbv	97
76) 1,4-Dichlorobenzene	16.500	146	32355	0.165	ppbv #	22
77) 1,2-Dichlorobenzene	17.179	146	92831	0.476	ppbv	98
78) Hexachloro-1,3-Butadiene	22.664	225	29394	0.227	ppbv #	18
79) Naphthalene	21.416	128	7703	0.035	ppbv #	79
80) Naphthalene,2-methyl-	24.432	142	4111	0.108	ppbv #	29
81) 1,2,4-Trichlorobenzene	21.178	180	15047	0.120	ppbv #	12

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

Quant Time: Apr 05 04:17:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 05 04:13:19 2024
Response via : Initial Calibration

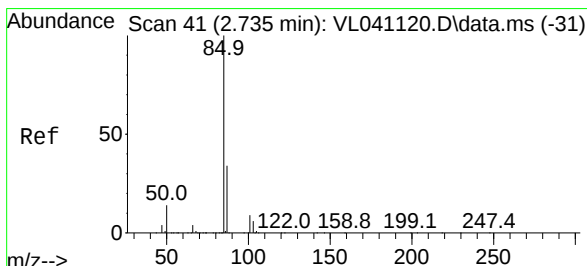
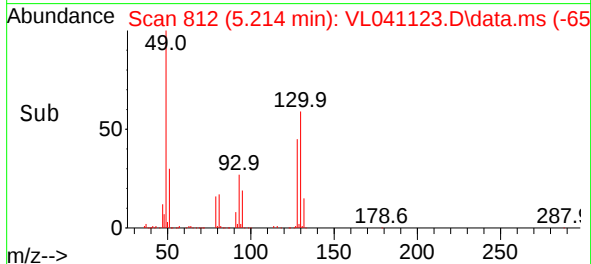
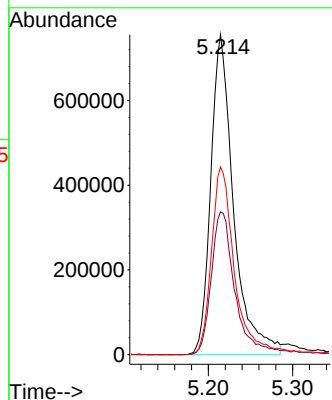
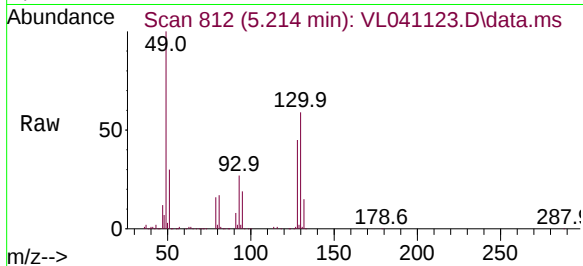




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

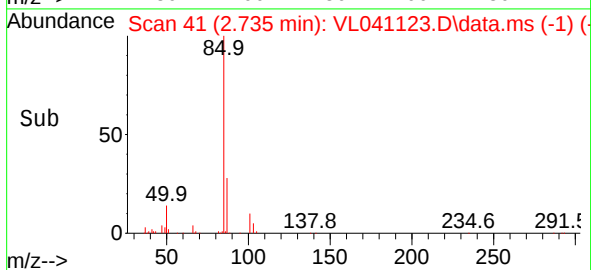
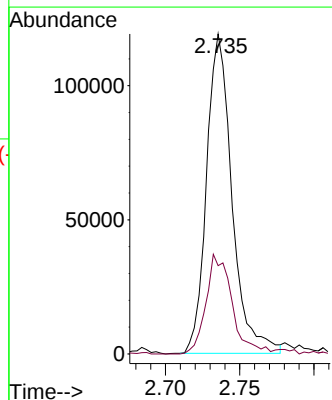
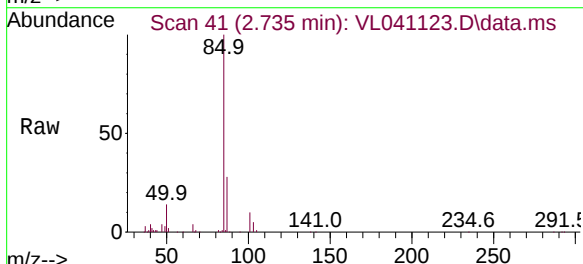
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

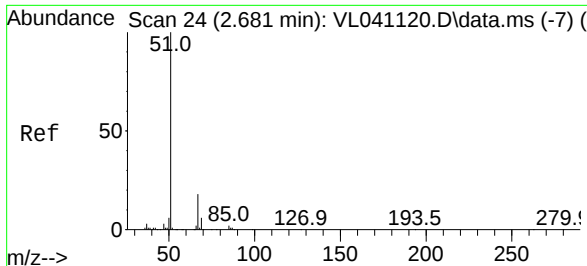
Tgt Ion: 49 Resp: 1419721
Ion Ratio Lower Upper
49 100
128 47.5 23.6 71.0
130 60.8 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 0.584 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 85 Resp: 142152
Ion Ratio Lower Upper
85 100
87 27.7 27.0 40.6

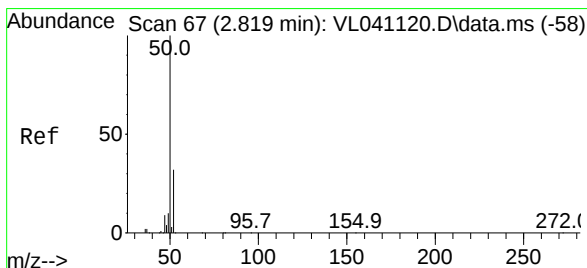
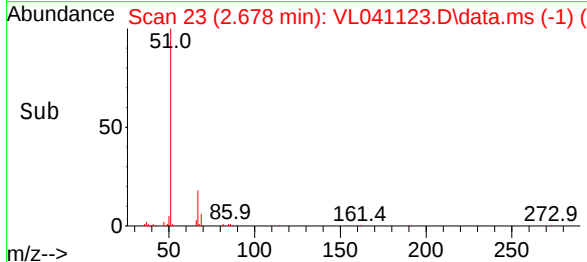
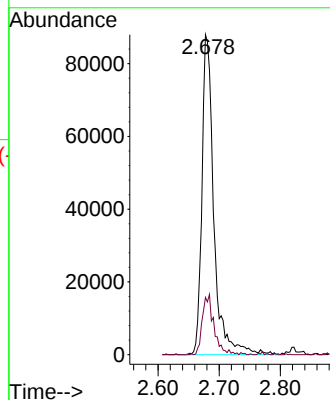
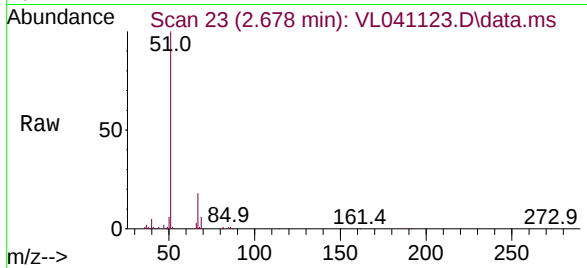




#3
Chlorodifluoromethane
Concen: 0.546 ppbv
RT: 2.678 min Scan# 24
Delta R.T. -0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

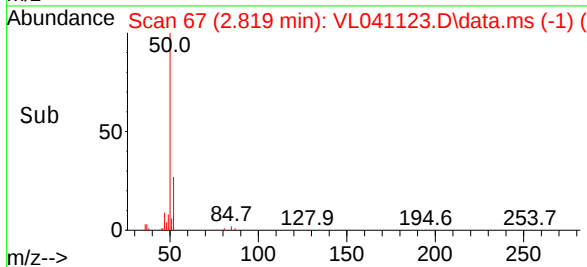
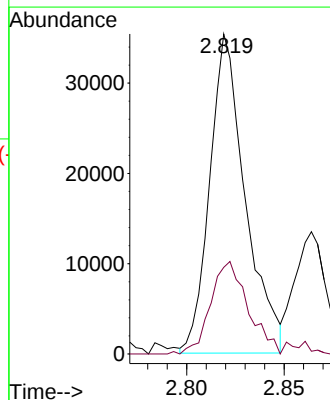
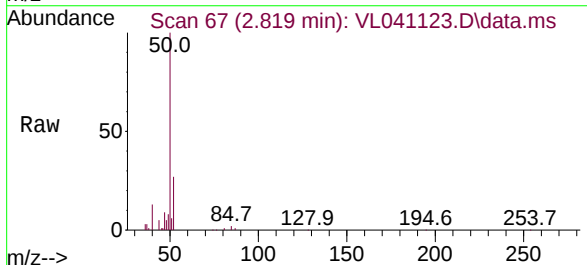
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MSVOA_L
ClientSampleId :
VSTDIC0.5

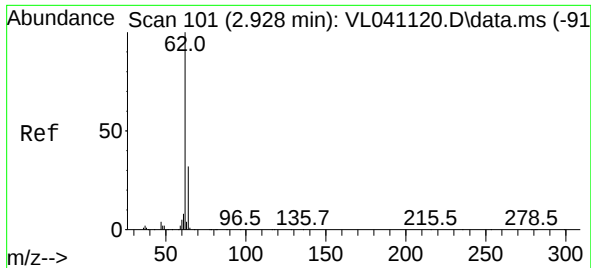
Tgt Ion: 51 Resp: 119336
Ion Ratio Lower Upper
51 100
67 18.5 14.9 22.3



#4
Chloromethane
Concen: 0.542 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.000 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 50 Resp: 44863
Ion Ratio Lower Upper
50 100
52 27.5 26.0 39.0

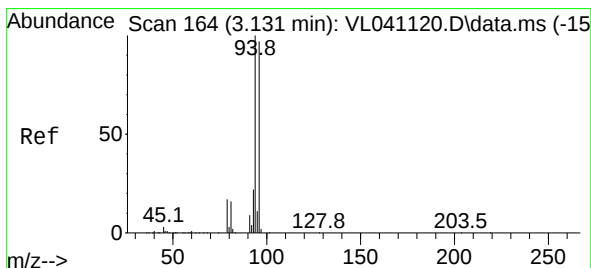
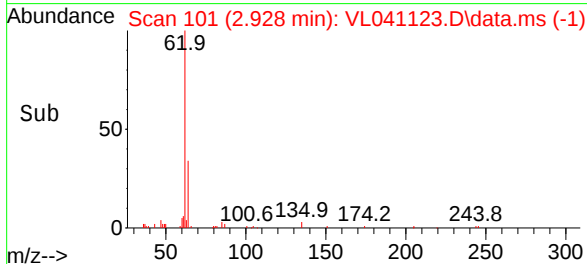
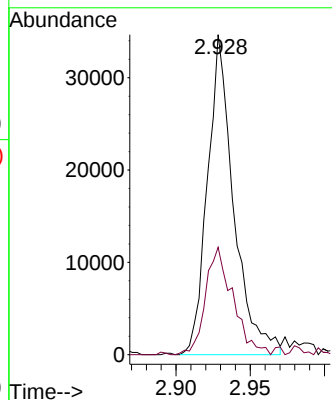
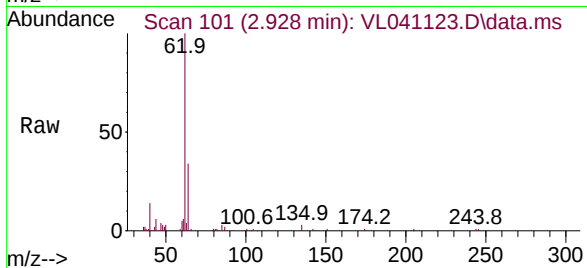




#5
 Vinyl Chloride
 Concen: 0.538 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.000 min
 Lab File: VL041123.D
 Acq: 4 Apr 2024 11:23

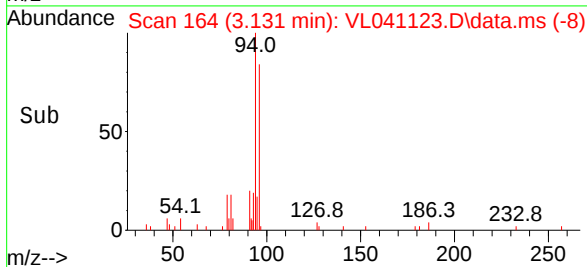
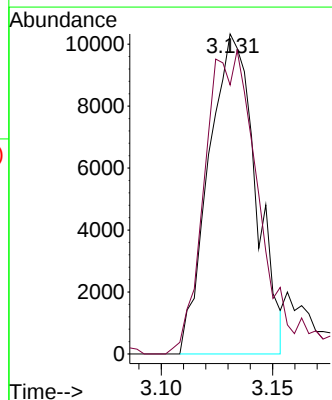
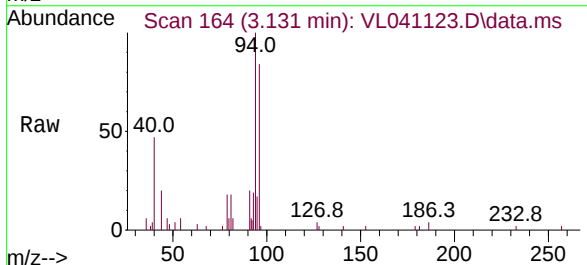
Instrument :
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 ClientSampleId :
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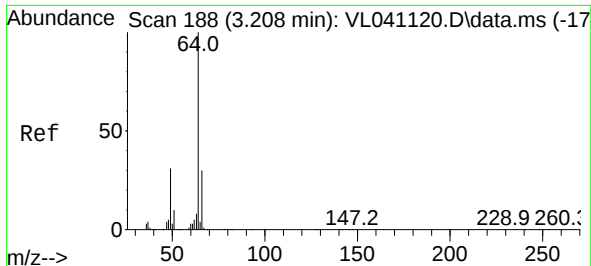
Tgt Ion: 62 Resp: 42545
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.6 38.4



#6
 Bromomethane
 Concen: 0.503 ppbv
 RT: 3.131 min Scan# 164
 Delta R.T. 0.000 min
 Lab File: VL041123.D
 Acq: 4 Apr 2024 11:23

Tgt Ion: 94 Resp: 15135
 Ion Ratio Lower Upper
 94 100
 96 80.4 77.9 116.9

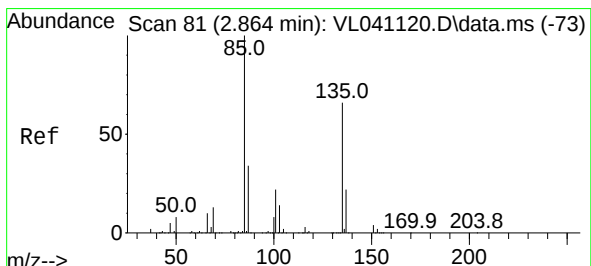
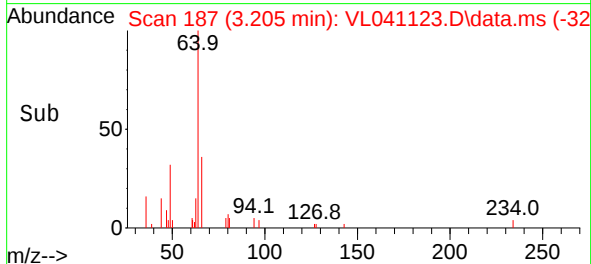
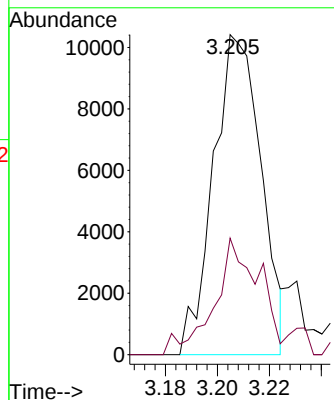
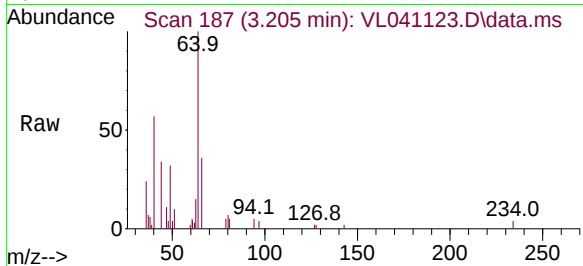




#7
Chloroethane
Concen: 0.461 ppbv
RT: 3.205 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

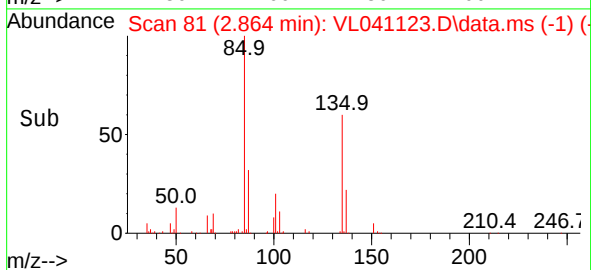
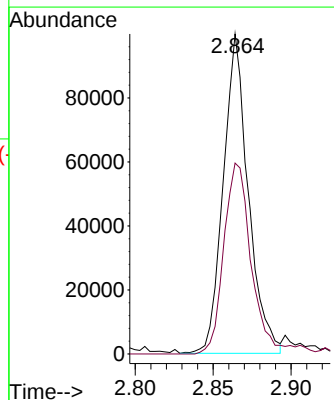
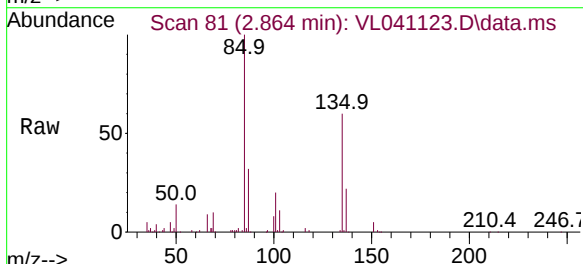
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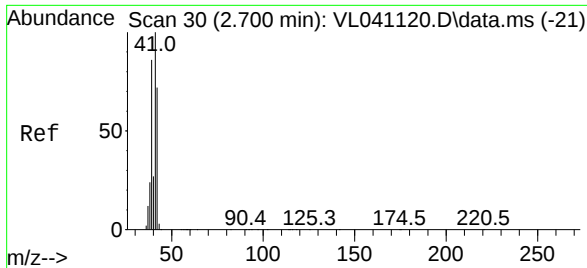
Tgt Ion: 64 Resp: 13293
Ion Ratio Lower Upper
64 100
66 36.4 24.2 36.4#



#8
Dichlorotetrafluoroethane
Concen: 0.537 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 85 Resp: 111325
Ion Ratio Lower Upper
85 100
135 68.4 54.2 81.2

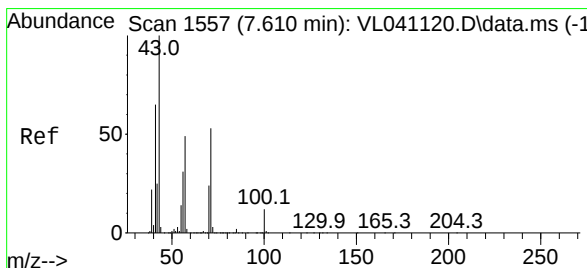
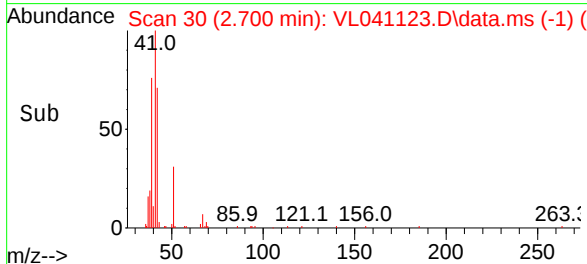
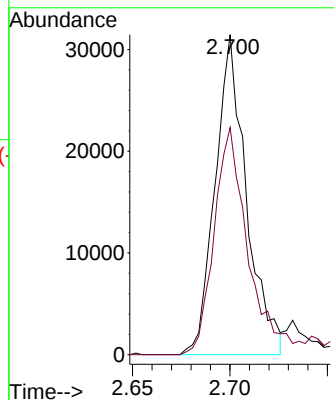
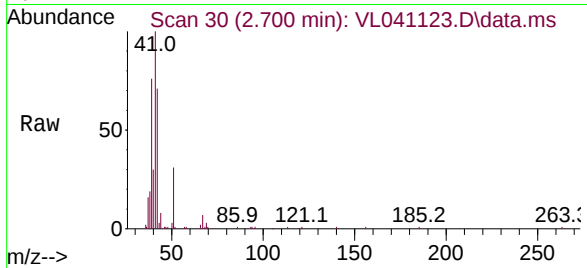




#9
Propene
Concen: 0.505 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

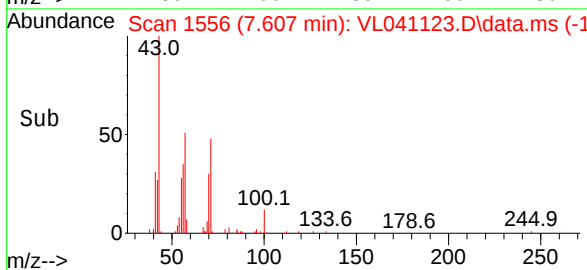
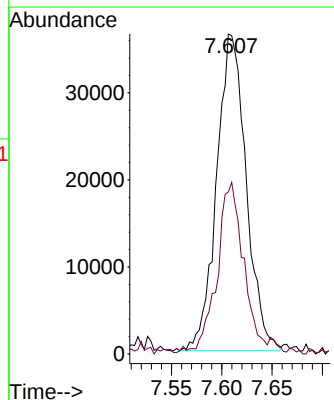
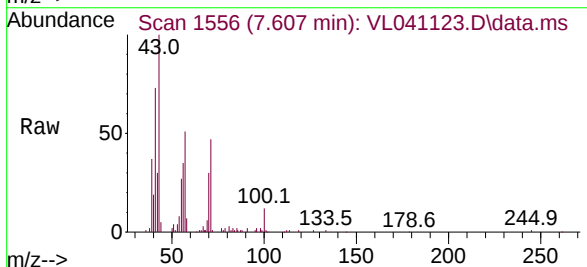
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

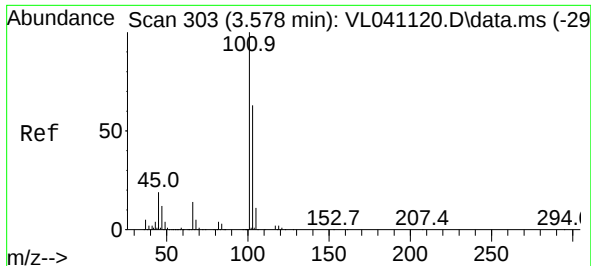
Tgt Ion: 41 Resp: 35117
Ion Ratio Lower Upper
41 100
42 82.8 60.1 90.1



#10
Heptane
Concen: 0.450 ppbv
RT: 7.607 min Scan# 1556
Delta R.T. -0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 43 Resp: 74335
Ion Ratio Lower Upper
43 100
57 51.0 39.9 59.9





#11

Trichlorofluoromethane

Concen: 0.536 ppbv

RT: 3.575 min Scan# 303

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

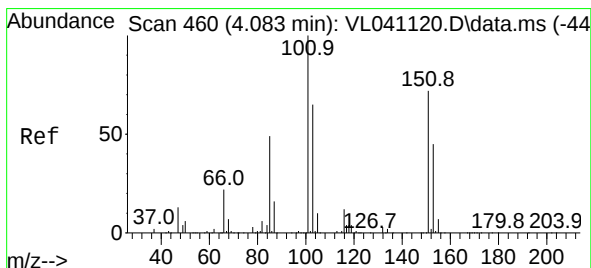
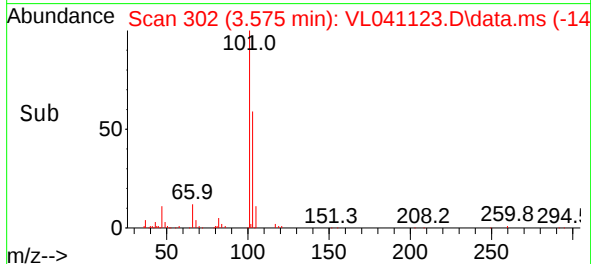
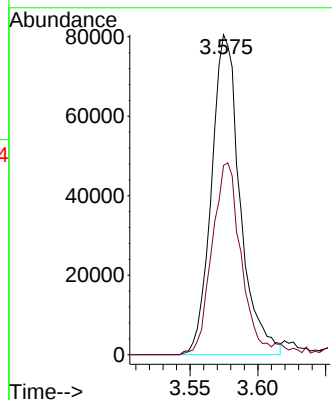
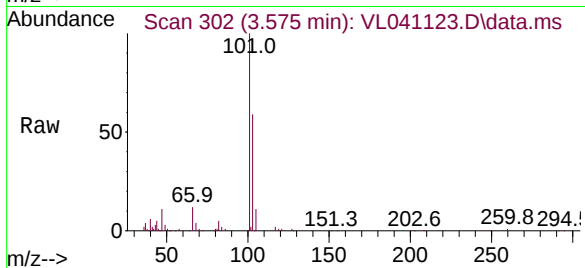
VSTDIC0.5

Tgt Ion:101 Resp: 118102

Ion Ratio Lower Upper

101 100

103 59.2 50.6 75.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.519 ppbv

RT: 4.083 min Scan# 460

Delta R.T. 0.000 min

Lab File: VL041123.D

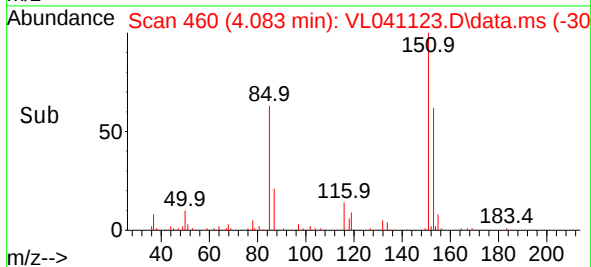
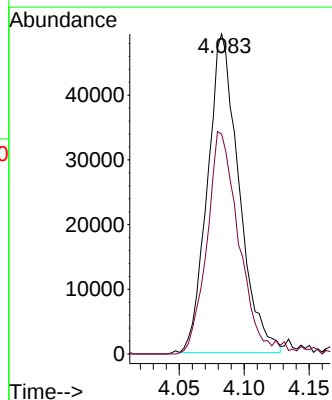
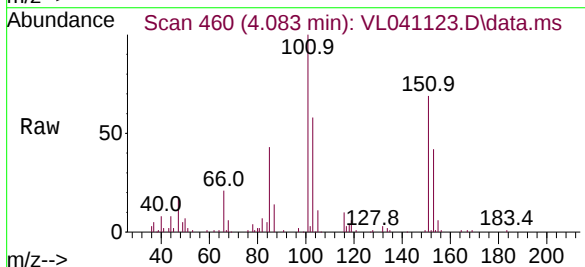
Acq: 4 Apr 2024 11:23

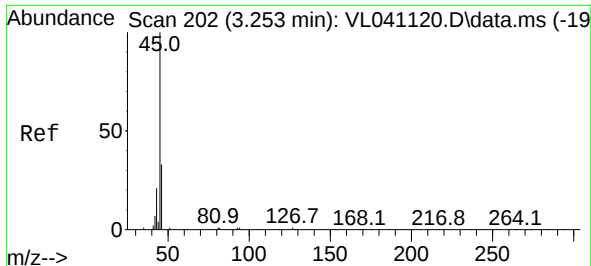
Tgt Ion:101 Resp: 82707

Ion Ratio Lower Upper

101 100

151 72.6 56.2 84.4





#13

Ethanol

Concen: 0.119 ppbv

RT: 3.266 min Scan# 206

Delta R.T. 0.013 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_1

ClientSampleId :

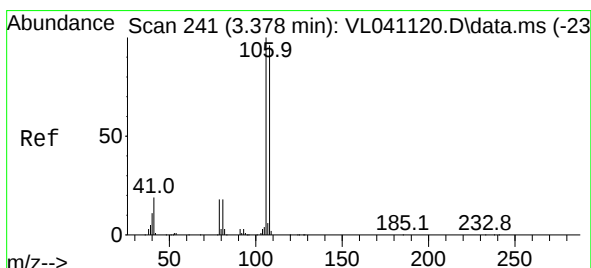
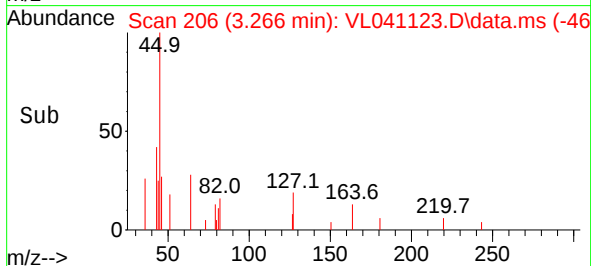
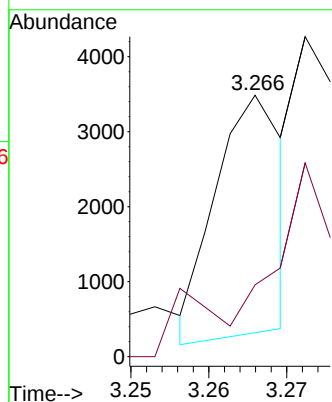
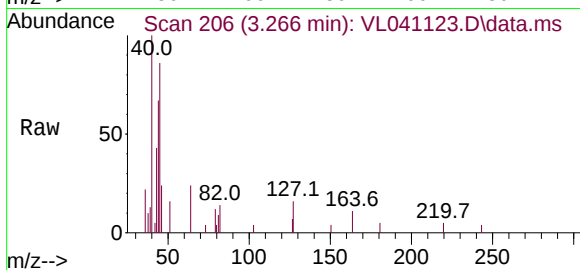
VSTDIC0.5

Tgt Ion: 45 Resp: 1925

Ion Ratio Lower Upper

45 100

46 0.0 15.0 59.8#



#14

Bromoethene

Concen: 0.525 ppbv

RT: 3.378 min Scan# 241

Delta R.T. 0.000 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

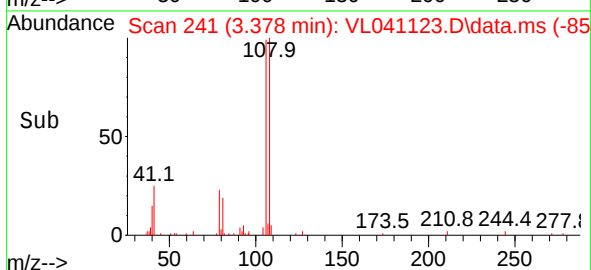
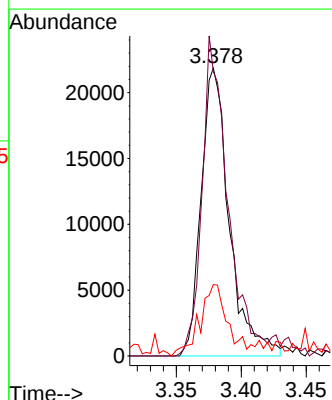
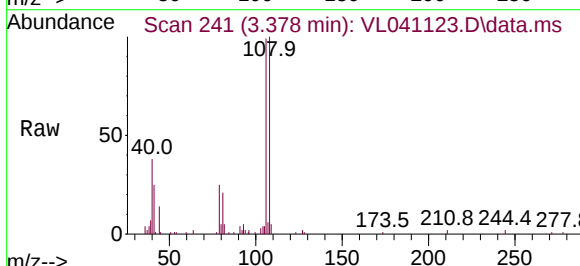
Tgt Ion:108 Resp: 32939

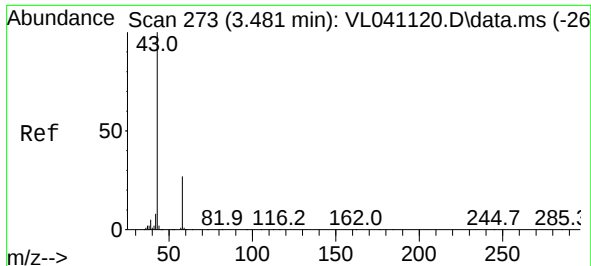
Ion Ratio Lower Upper

108 100

106 106.4 86.0 129.0

79 27.5 15.4 23.2#

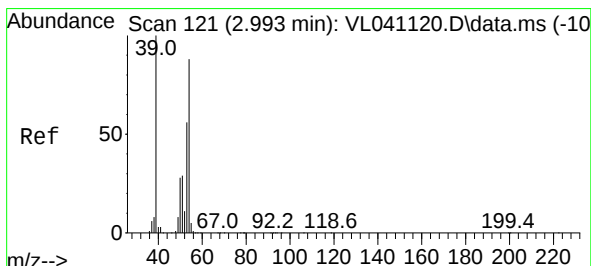
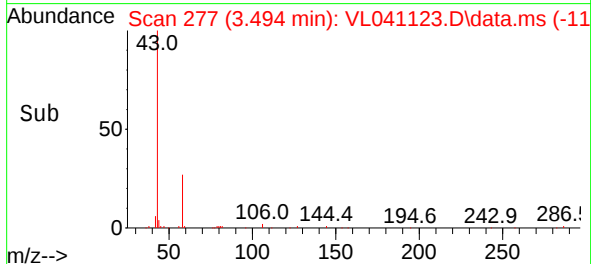
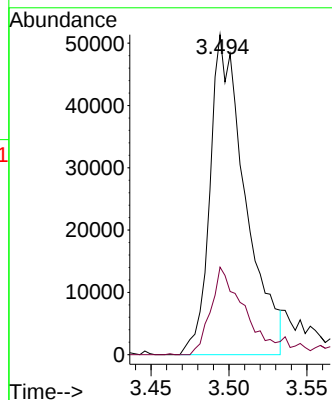
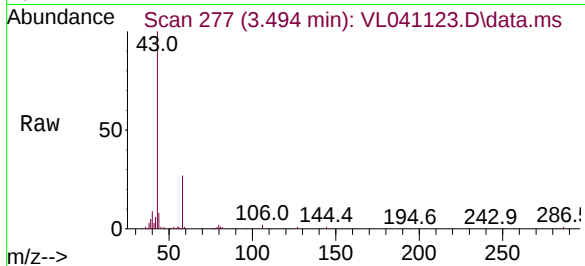




#15
Acetone
Concen: 0.526 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

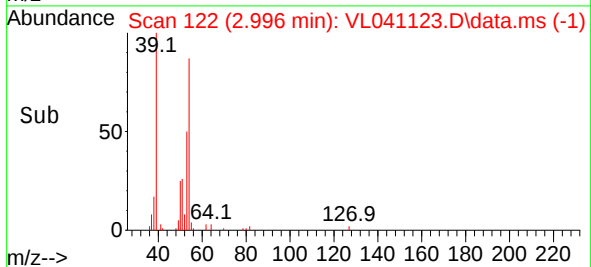
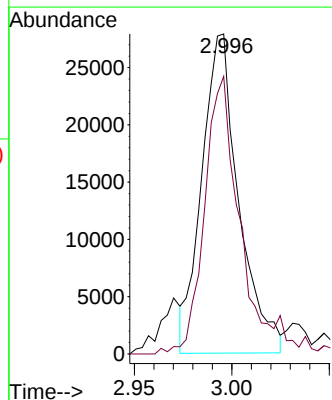
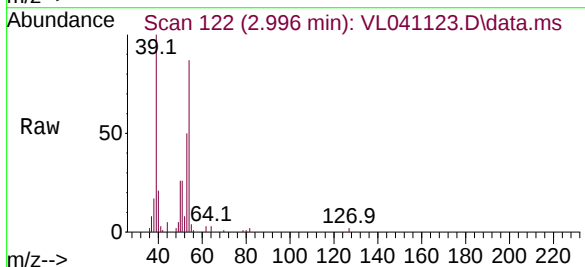
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

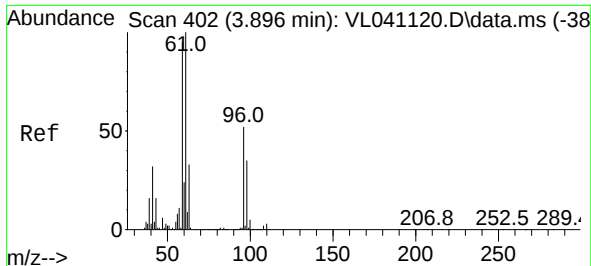
Tgt Ion: 43 Resp: 80910
Ion Ratio Lower Upper
43 100
58 30.3 21.1 31.7



#16
1,3-Butadiene
Concen: 0.487 ppbv
RT: 2.996 min Scan# 122
Delta R.T. 0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 39 Resp: 36753
Ion Ratio Lower Upper
39 100
54 87.6 63.5 95.3





#17

tert-Butyl alcohol

Concen: 0.269 ppbv

RT: 3.909 min Scan# 406

Delta R.T. 0.013 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

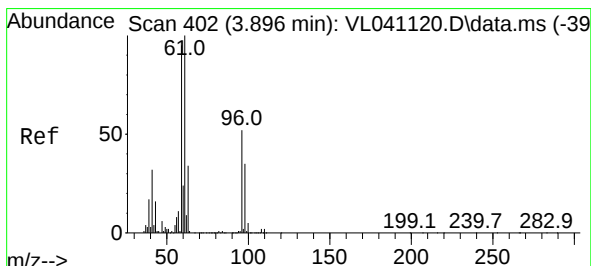
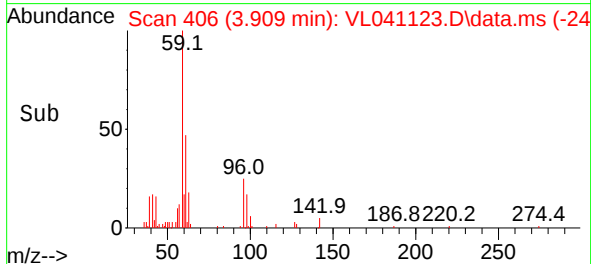
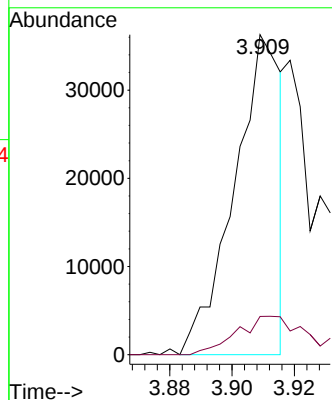
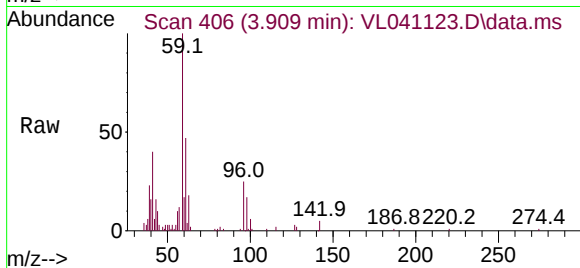
VSTDICC0.5

Tgt Ion: 59 Resp: 37518

Ion Ratio Lower Upper

59 100

57 22.9 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.504 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.000 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

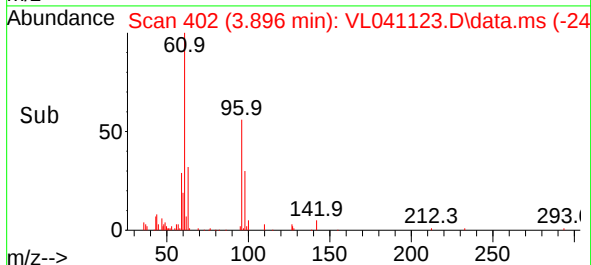
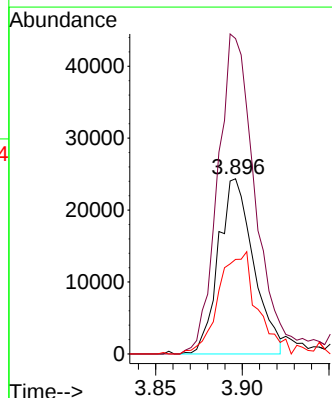
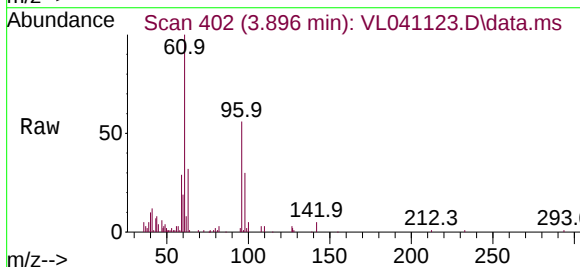
Tgt Ion: 96 Resp: 34267

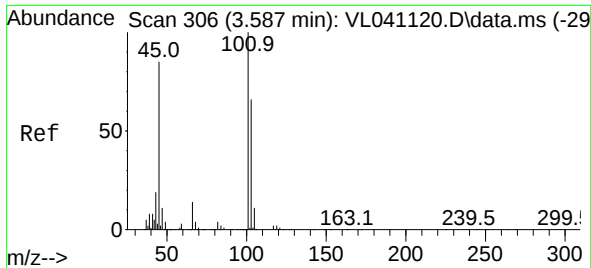
Ion Ratio Lower Upper

96 100

61 180.0 152.6 228.8

98 54.0 54.0 81.0#





#19

Isopropyl Alcohol

Concen: 0.234 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.023 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

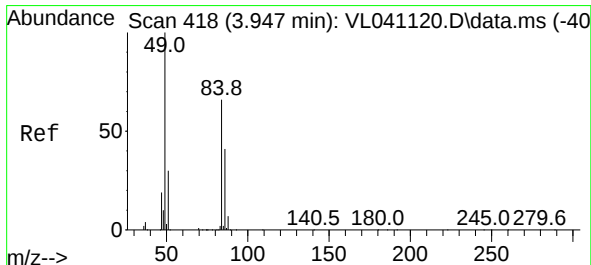
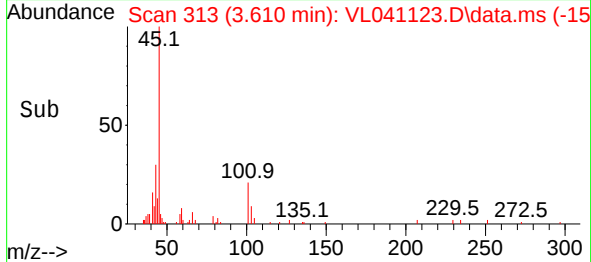
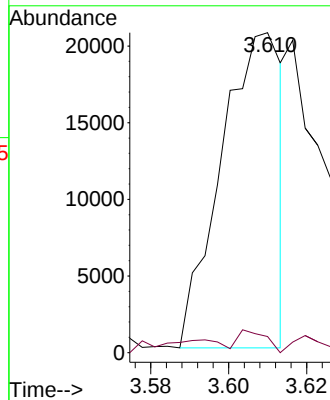
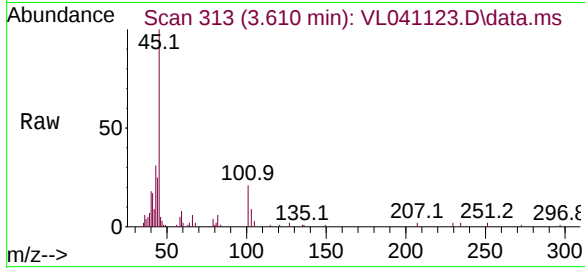
VSTDIC0.5

Tgt Ion: 45 Resp: 22128

Ion Ratio Lower Upper

45 100

58 9.6 2.8 4.2#



#20

Methylene Chloride

Concen: 0.588 ppbv

RT: 3.948 min Scan# 418

Delta R.T. 0.000 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Tgt Ion: 84 Resp: 37303

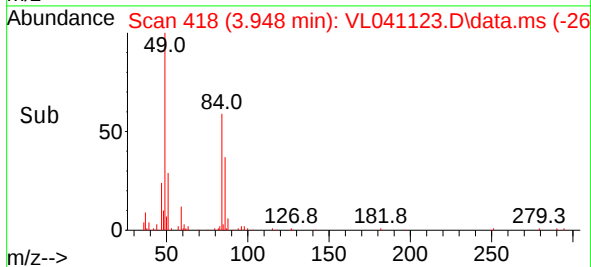
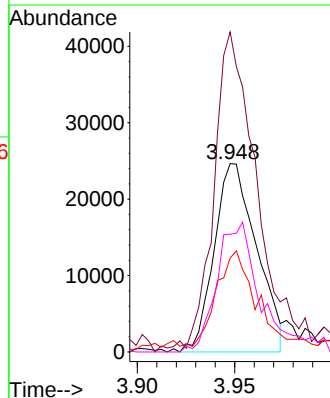
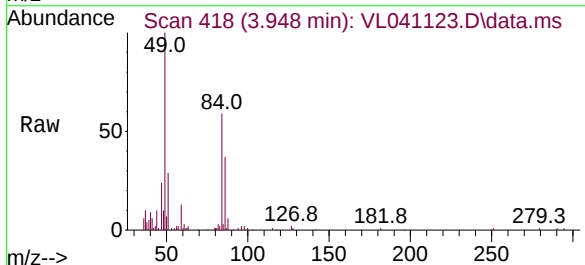
Ion Ratio Lower Upper

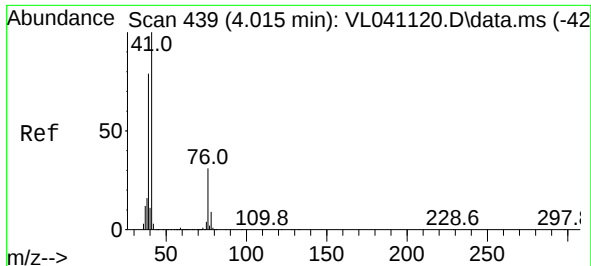
84 100

49 164.1 120.7 181.1

51 46.9 36.6 54.8

86 62.6 49.2 73.8





#21

Allyl Chloride

Concen: 0.510 ppbv

RT: 4.018 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

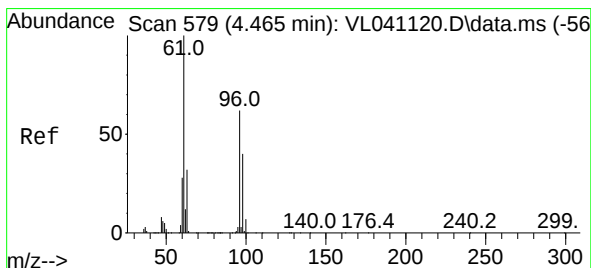
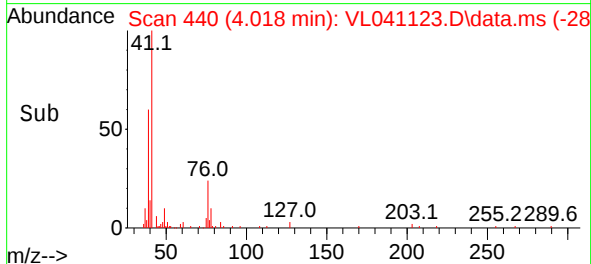
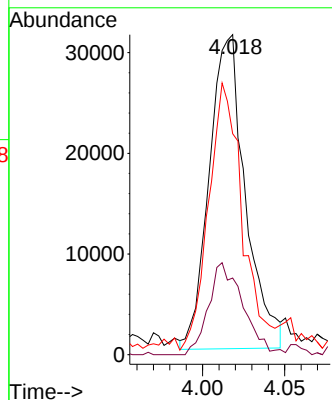
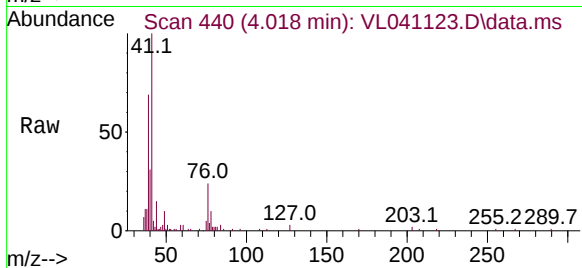
Tgt Ion: 41 Resp: 47816

Ion Ratio Lower Upper

41 100

76 29.4 25.7 38.5

39 93.7 65.7 98.5



#22

trans-1,2-Dichloroethene

Concen: 0.364 ppbv

RT: 4.465 min Scan# 579

Delta R.T. 0.000 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

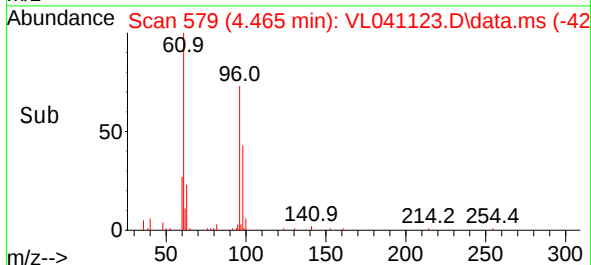
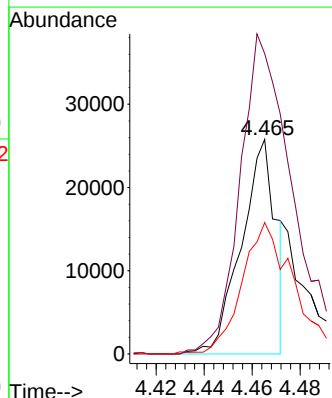
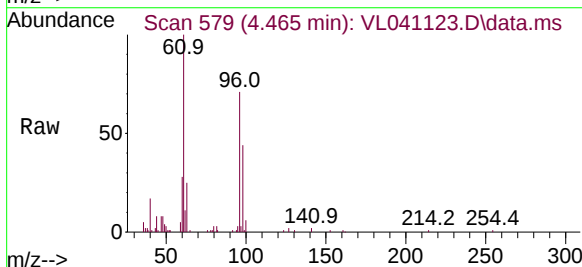
Tgt Ion: 96 Resp: 25799

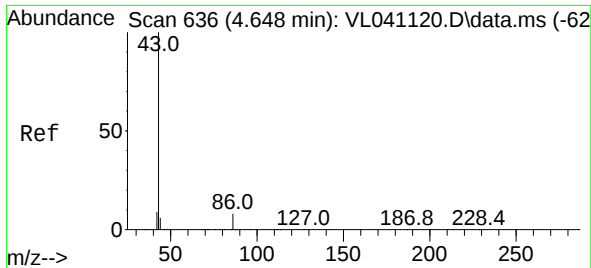
Ion Ratio Lower Upper

96 100

61 154.8 128.4 192.6

98 60.3 51.5 77.3



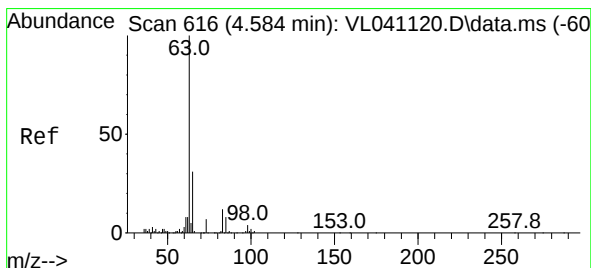
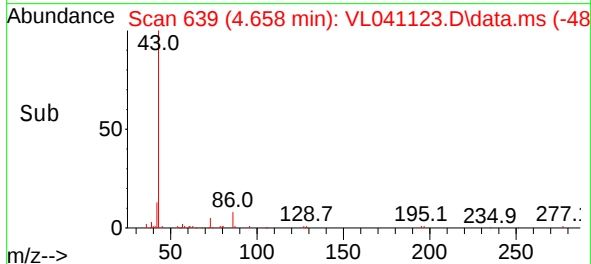
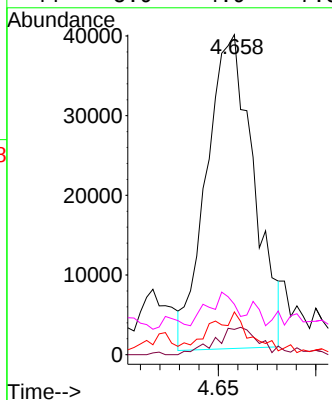
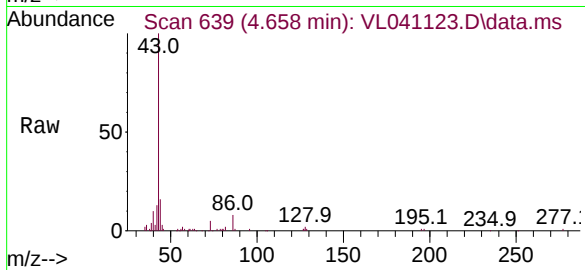


#23
 Vinyl Acetate
 Concen: 0.415 ppbv
 RT: 4.658 min Scan# 616
 Delta R.T. 0.010 min
 Lab File: VL041123.D
 Acq: 4 Apr 2024 11:23

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 66162

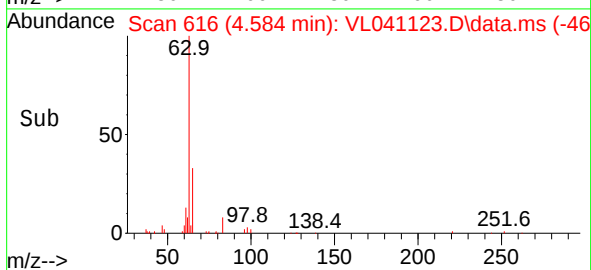
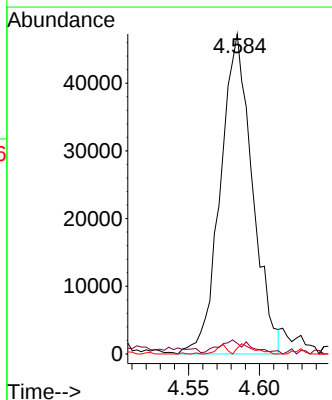
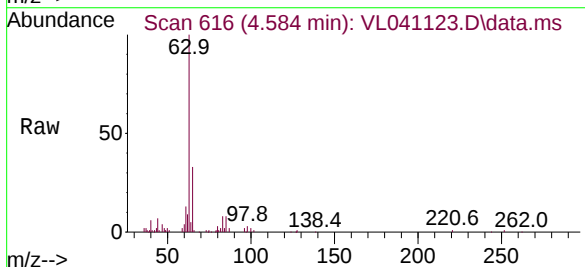
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.2	9.4
42	14.0	7.7	11.5#
44	5.9	4.9	7.3

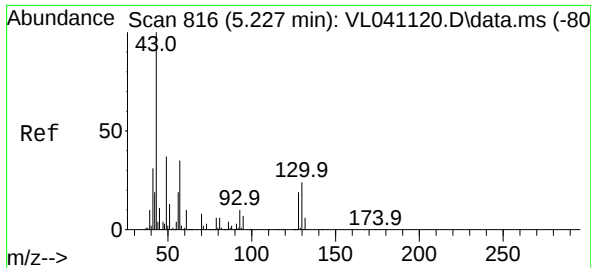


#24
 1,1-Dichloroethane
 Concen: 0.520 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. 0.000 min
 Lab File: VL041123.D
 Acq: 4 Apr 2024 11:23

Tgt Ion: 63 Resp: 74257

Ion	Ratio	Lower	Upper
63	100		
98	2.3	2.1	6.3
100	1.8	1.1	3.3

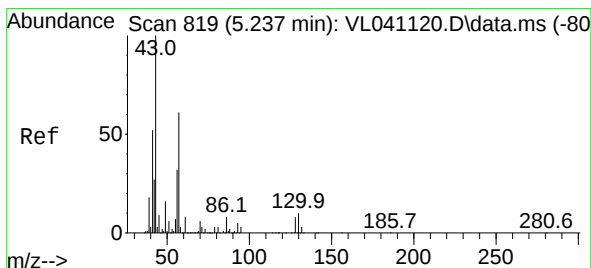
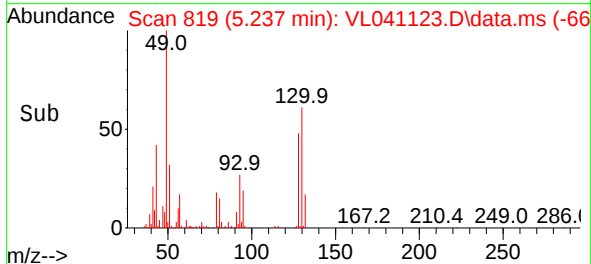
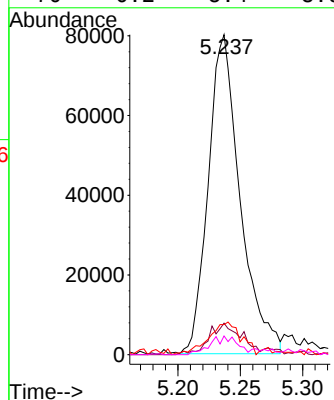
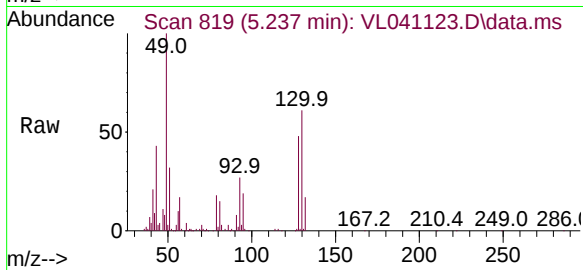




#25
Ethyl Acetate
Concen: 0.494 ppbv
RT: 5.237 min Scan# 816
Delta R.T. 0.010 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

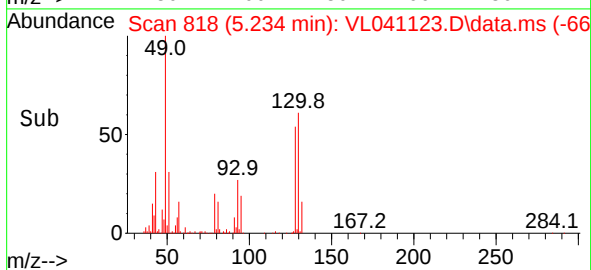
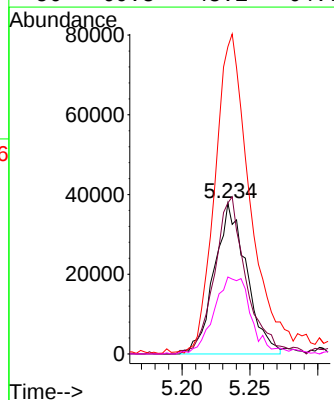
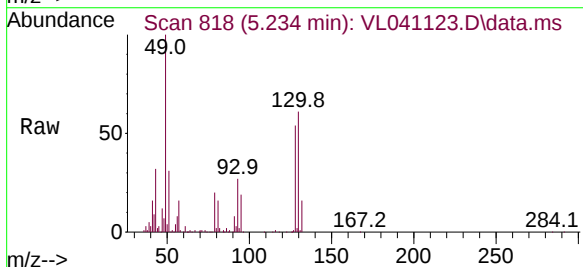
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

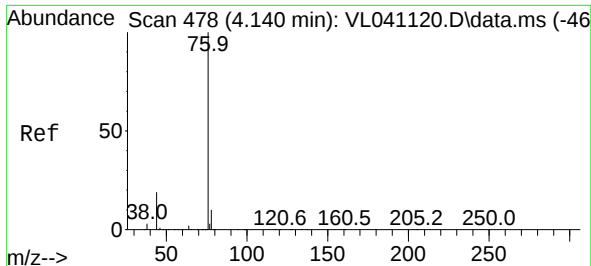
Tgt Ion: 43 Resp: 142641
Ion Ratio Lower Upper
43 100
45 11.8 8.0 12.0
61 12.6 7.8 11.6#
70 6.2 5.4 8.0



#26
Hexane
Concen: 0.482 ppbv
RT: 5.234 min Scan# 818
Delta R.T. -0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 57 Resp: 62390
Ion Ratio Lower Upper
57 100
41 103.9 73.8 110.8
43 250.9 186.2 279.2
56 60.3 43.1 64.7

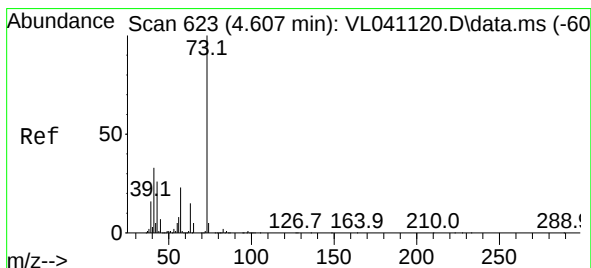
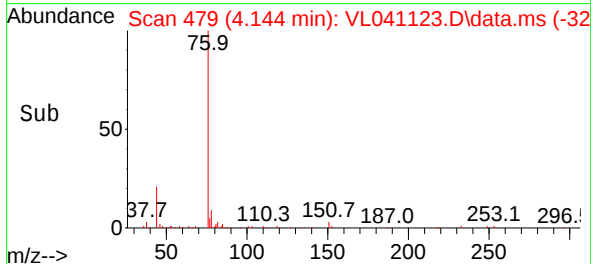
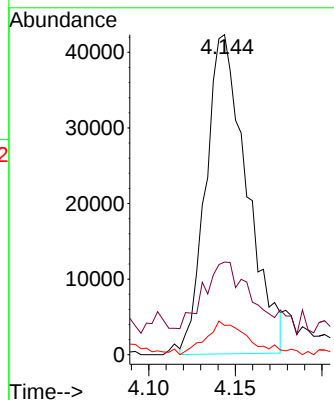
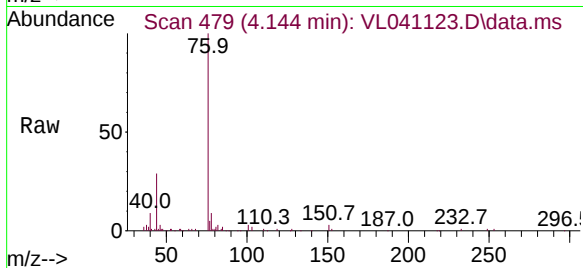




#27
Carbon Disulfide
Concen: 0.441 ppbv
RT: 4.144 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

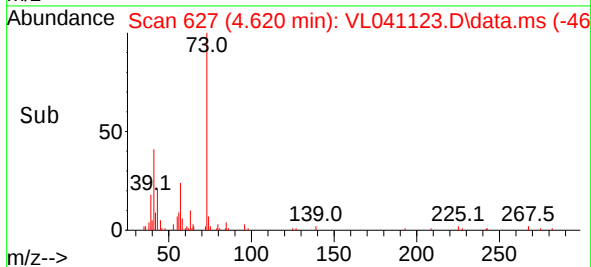
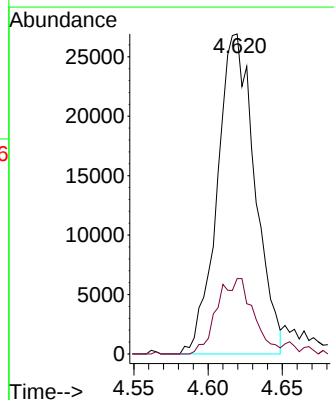
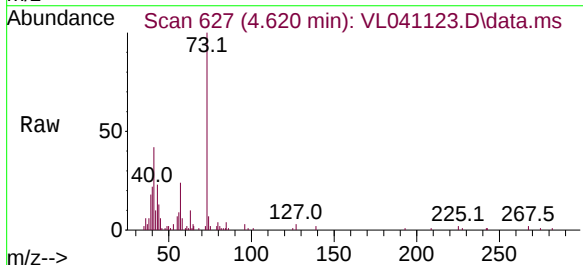
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

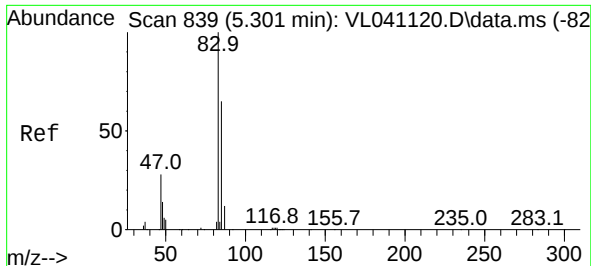
Tgt Ion: 76 Resp: 69411
Ion Ratio Lower Upper
76 100
44 30.2 16.3 24.5#
78 11.3 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 0.486 ppbv
RT: 4.620 min Scan# 627
Delta R.T. 0.013 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 73 Resp: 47547
Ion Ratio Lower Upper
73 100
57 24.6 18.6 27.8

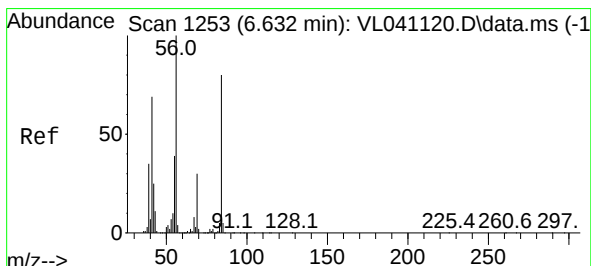
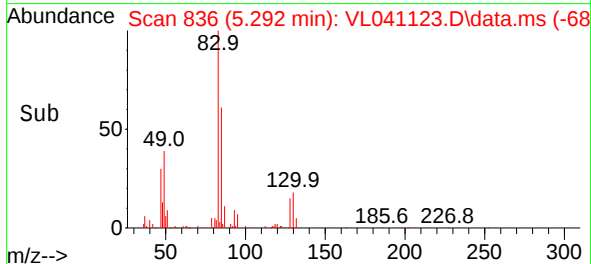
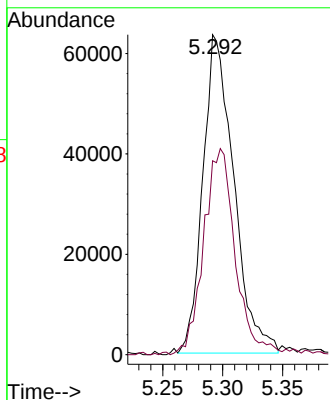
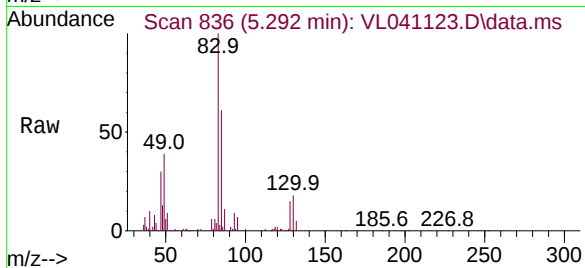




#29
Chloroform
Concen: 0.520 ppbv
RT: 5.292 min Scan# 836
Delta R.T. -0.010 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

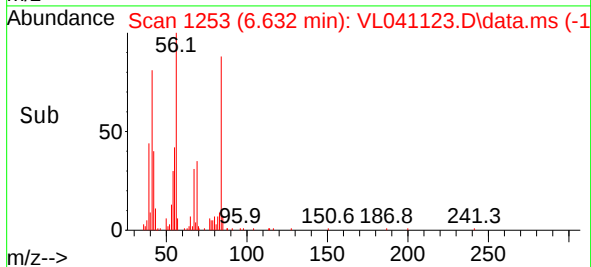
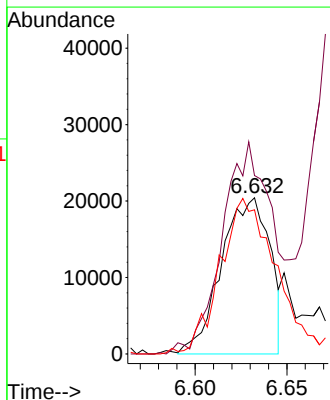
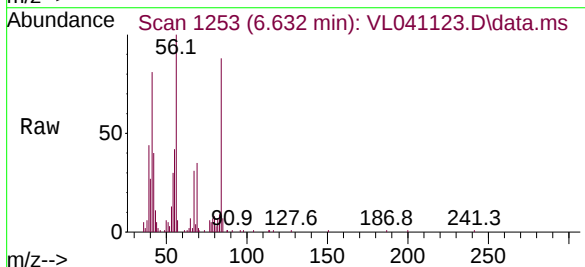
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

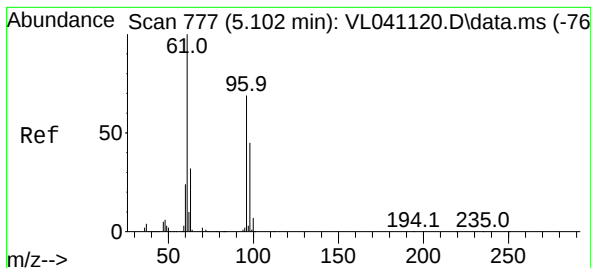
Tgt Ion: 83 Resp: 113625
Ion Ratio Lower Upper
83 100
85 61.0 51.5 77.3



#30
Cyclohexane
Concen: 0.361 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.000 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 84 Resp: 37566
Ion Ratio Lower Upper
84 100
56 137.8 111.9 167.9
41 120.2 71.0 106.6#





#31

cis-1,2-Dichloroethene

Concen: 0.474 ppbv

RT: 5.099 min Scan# 777

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

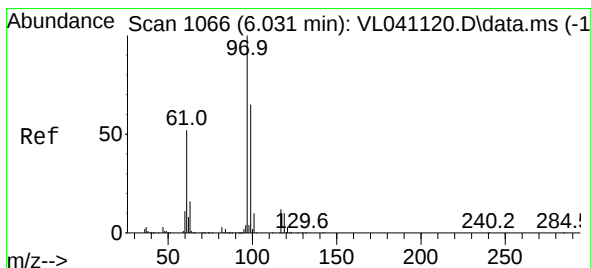
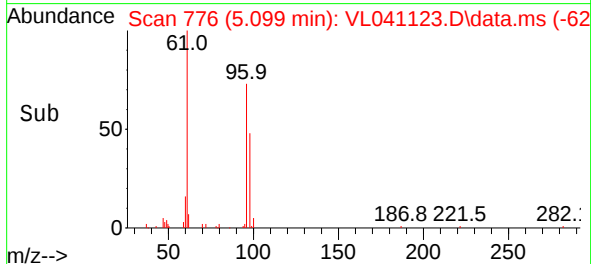
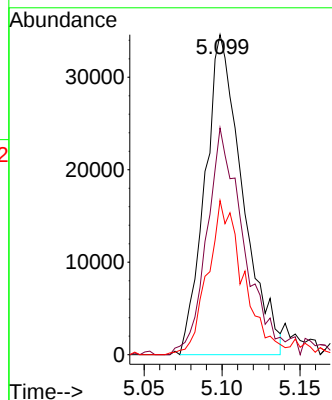
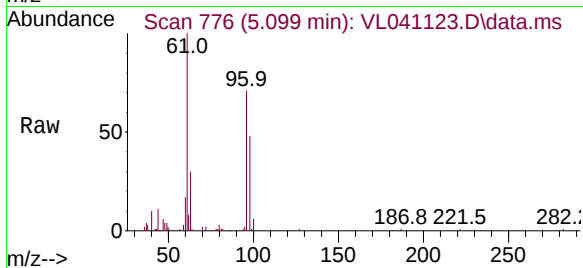
Tgt Ion: 61 Resp: 58059

Ion Ratio Lower Upper

61 100

96 62.9 54.9 82.3

98 43.2 35.9 53.9



#32

1,1,1-Trichloroethane

Concen: 0.523 ppbv

RT: 6.028 min Scan# 1065

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

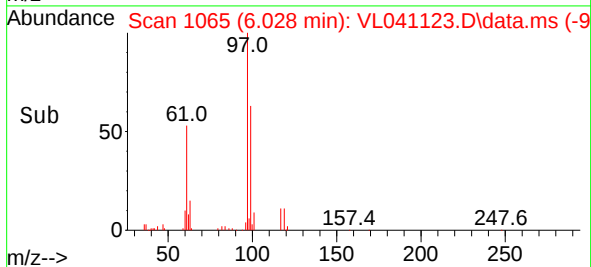
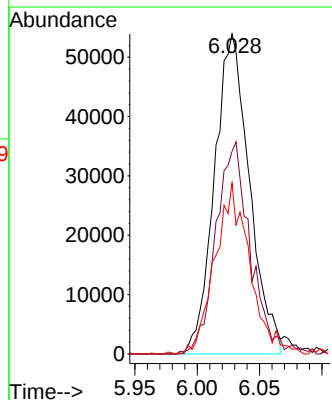
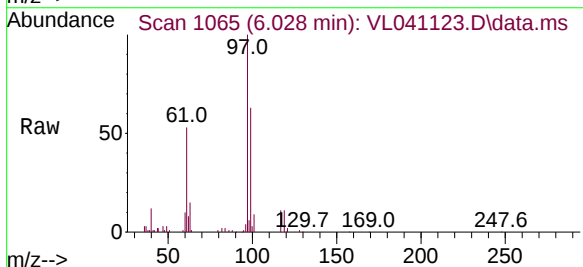
Tgt Ion: 97 Resp: 105495

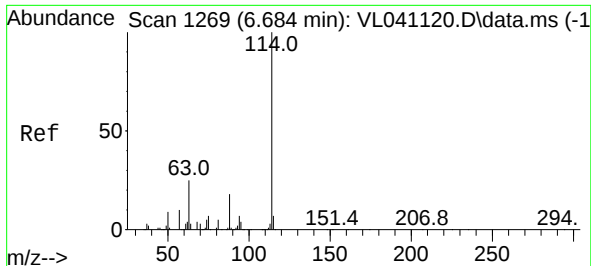
Ion Ratio Lower Upper

97 100

99 65.4 52.0 78.0

61 52.8 40.5 60.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.681 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

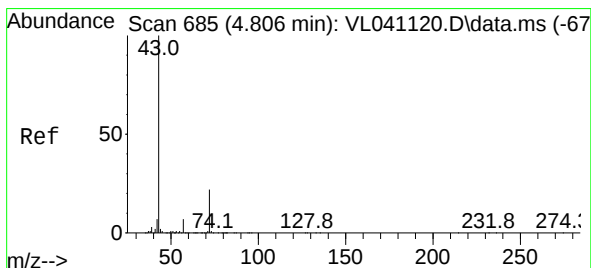
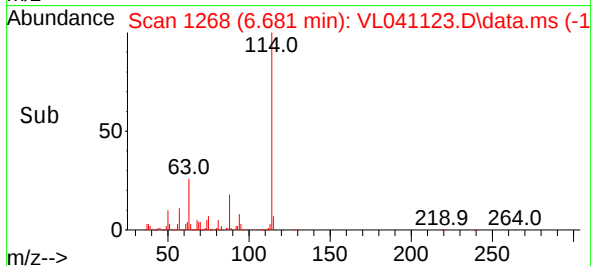
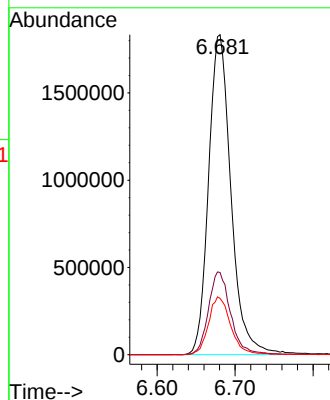
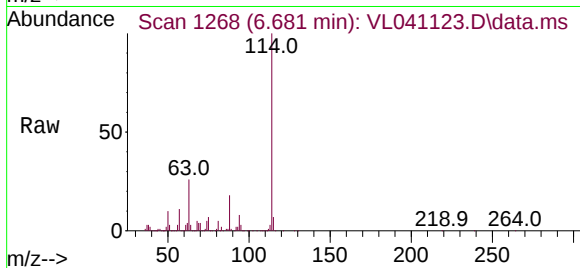
Tgt Ion:114 Resp: 3651490

Ion Ratio Lower Upper

114 100

63 25.8 20.9 31.3

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 0.479 ppbv

RT: 4.819 min Scan# 689

Delta R.T. 0.013 min

Lab File: VL041123.D

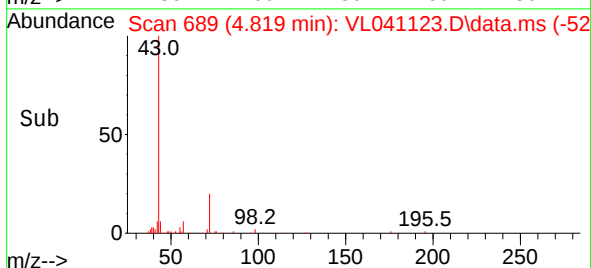
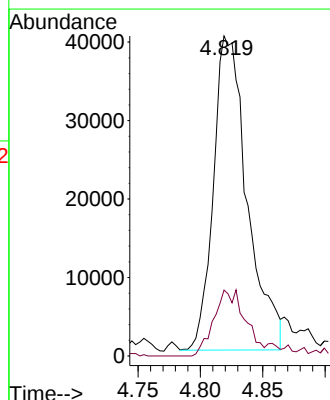
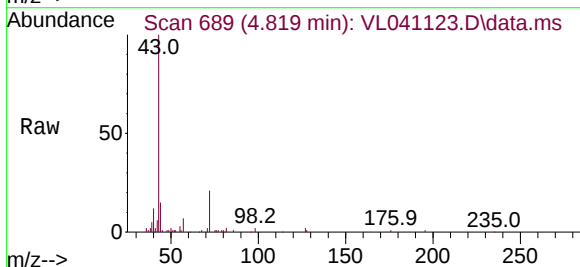
Acq: 4 Apr 2024 11:23

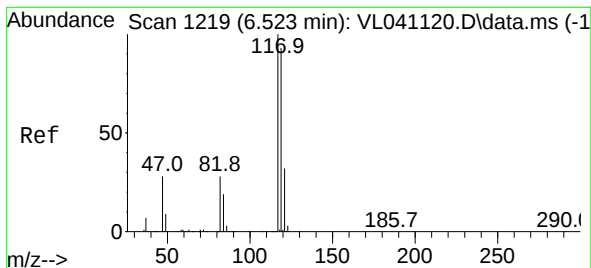
Tgt Ion: 43 Resp: 75524

Ion Ratio Lower Upper

43 100

72 21.6 17.6 26.4





#35

Carbon Tetrachloride

Concen: 0.509 ppbv

RT: 6.517 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

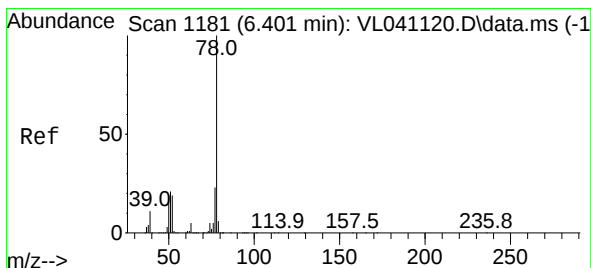
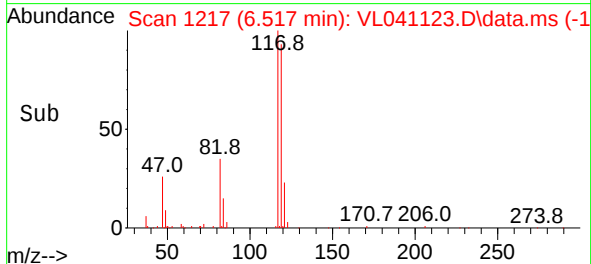
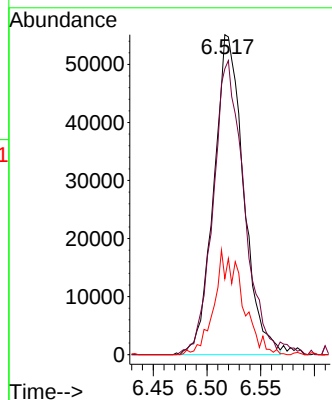
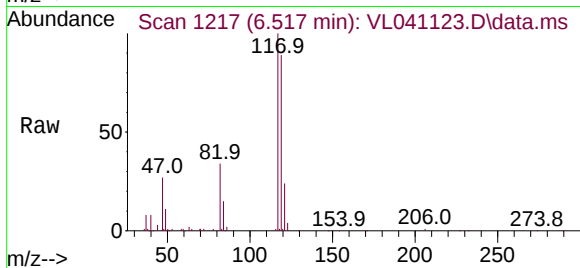
Tgt Ion:117 Resp: 106043

Ion Ratio Lower Upper

117 100

119 88.7 74.2 111.4

121 23.8 25.4 38.2#



#36

Benzene

Concen: 0.262 ppbv

RT: 6.394 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

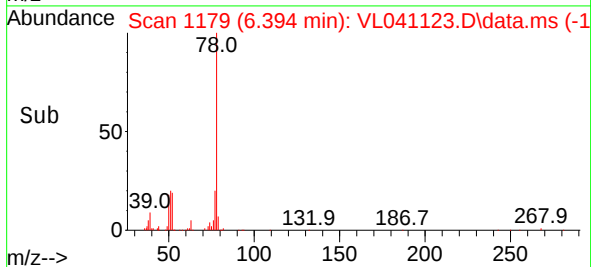
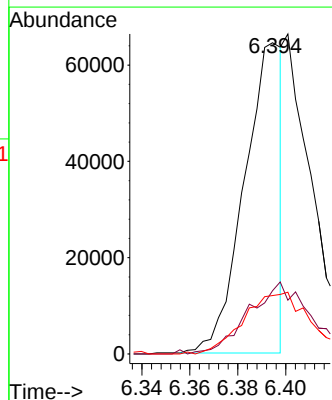
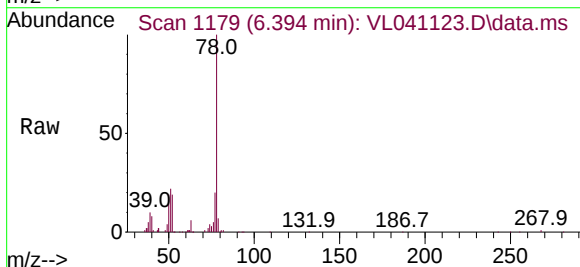
Tgt Ion: 78 Resp: 70069

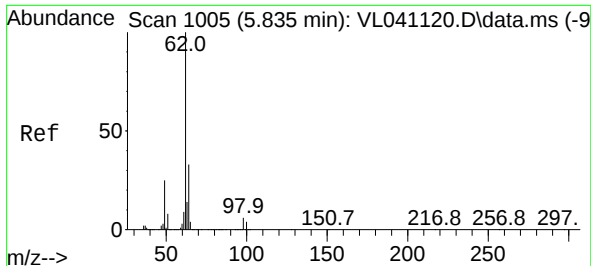
Ion Ratio Lower Upper

78 100

77 19.0 18.2 27.4

50 18.8 15.4 23.2

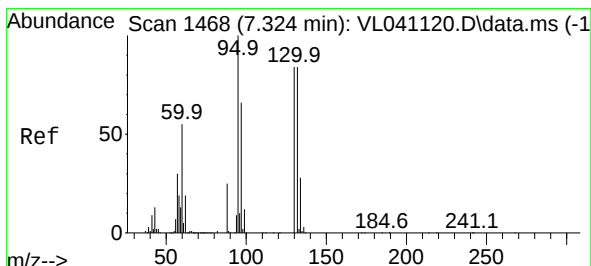
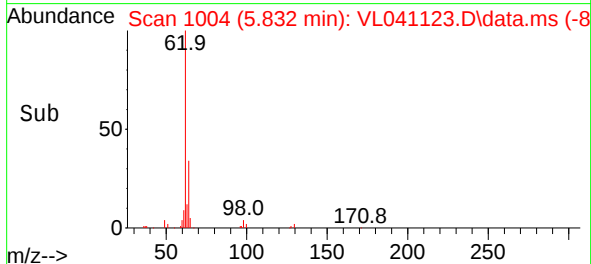
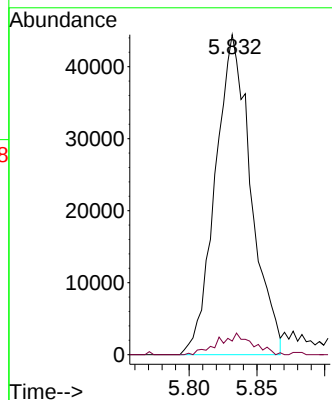
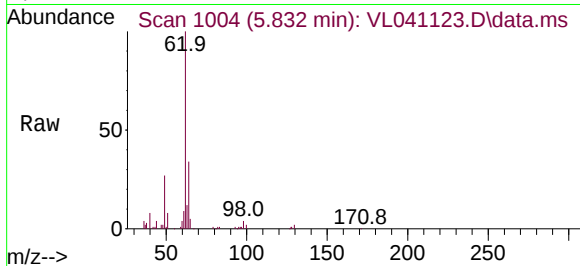




#37
1,2-Dichloroethane
Concen: 0.506 ppbv
RT: 5.832 min Scan# 1005
Delta R.T. -0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

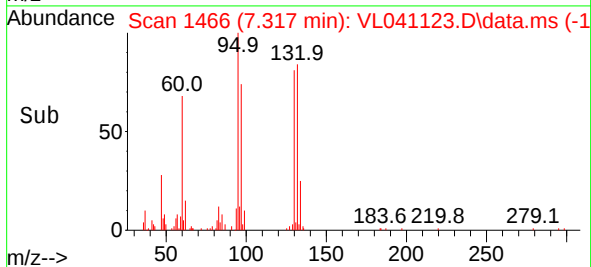
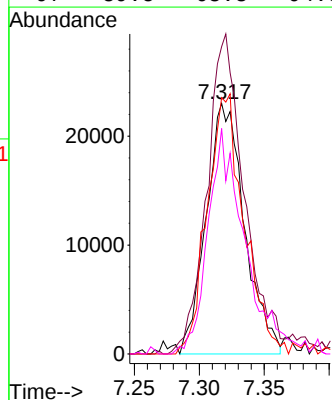
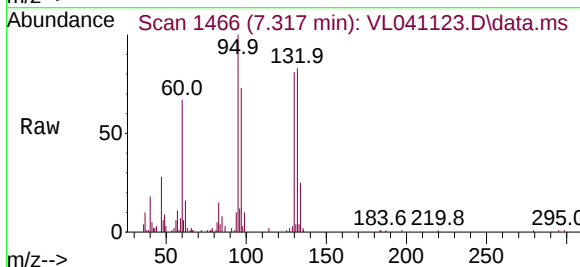
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

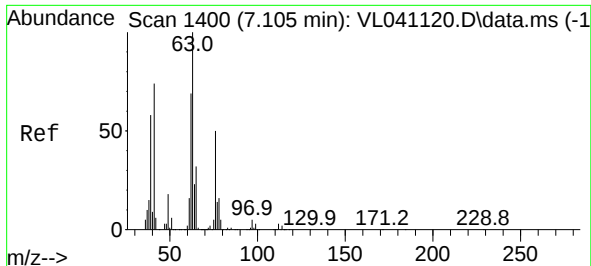
Tgt Ion: 62 Resp: 81410
Ion Ratio Lower Upper
62 100
98 6.3 4.6 7.0



#38
Trichloroethene
Concen: 0.484 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. -0.006 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion:130 Resp: 47038
Ion Ratio Lower Upper
130 100
95 120.1 95.4 143.0
132 102.6 80.0 120.0
97 89.5 63.3 94.9





#39

1,2-Dichloropropane

Concen: 0.306 ppbv

RT: 7.095 min Scan# 1400

Delta R.T. -0.010 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

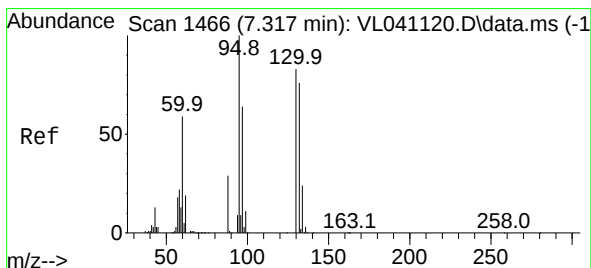
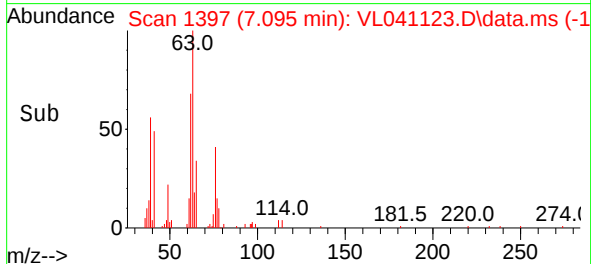
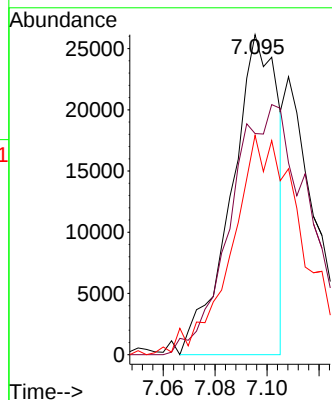
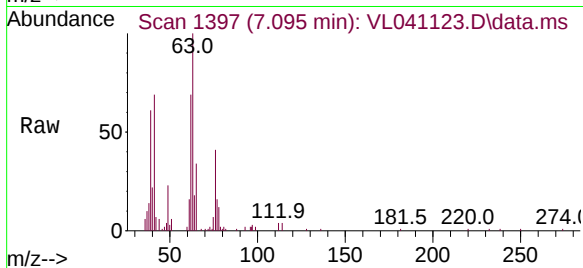
Tgt Ion: 63 Resp: 32505

Ion Ratio Lower Upper

63 100

41 64.0 58.7 88.1

62 60.3 55.5 83.3



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Tgt Ion: 88 Resp: 94

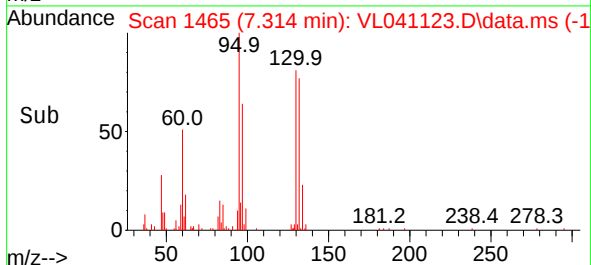
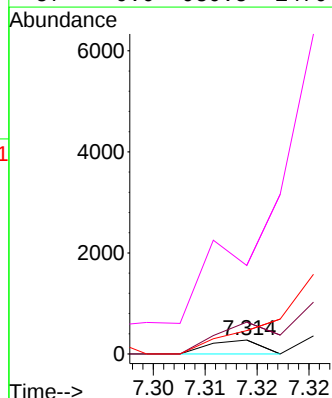
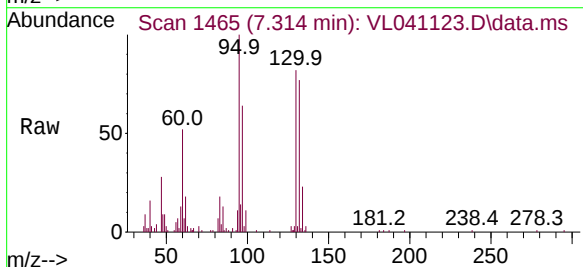
Ion Ratio Lower Upper

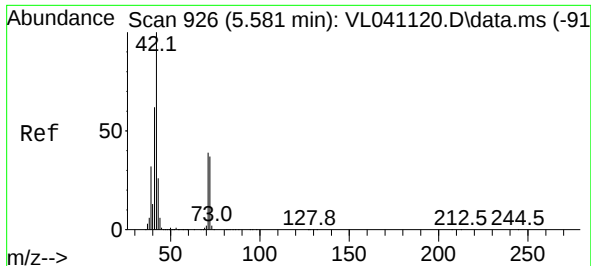
88 100

58 0.0 107.8 161.6#

43 0.0 223.8 335.6#

57 0.0 980.5 1470.7#

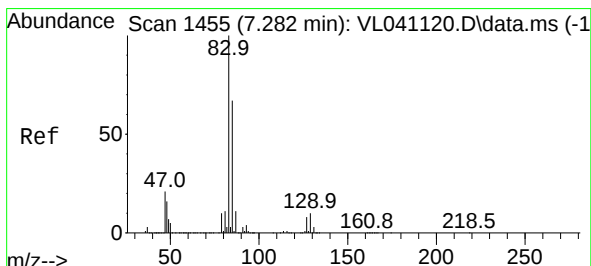
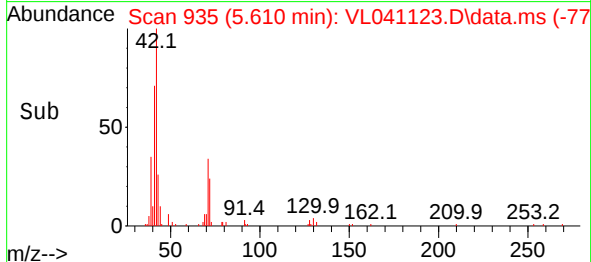
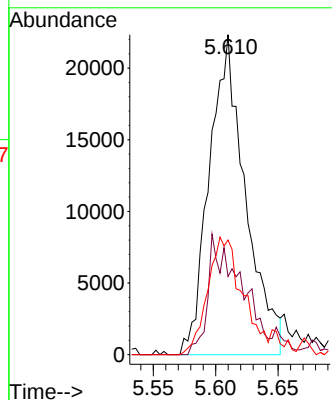
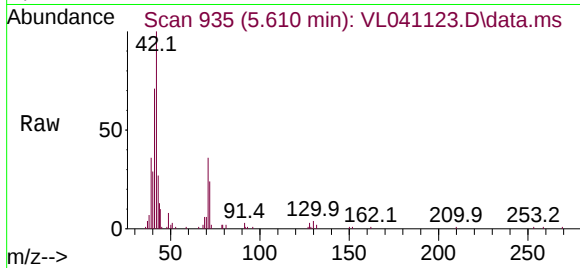




#41
Tetrahydrofuran
Concen: 0.447 ppbv
RT: 5.610 min Scan# 91
Delta R.T. 0.029 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

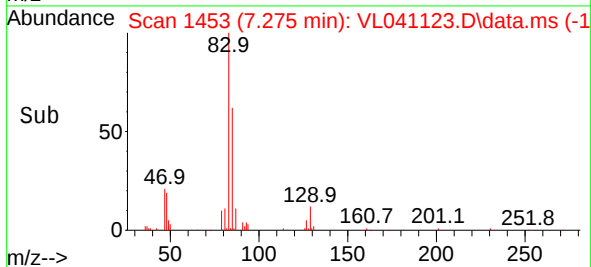
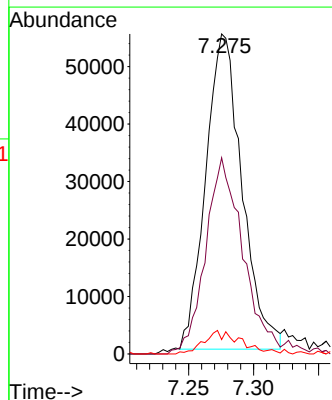
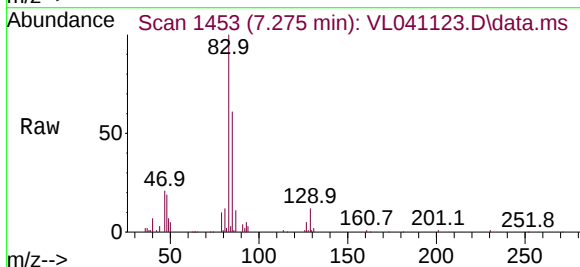
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

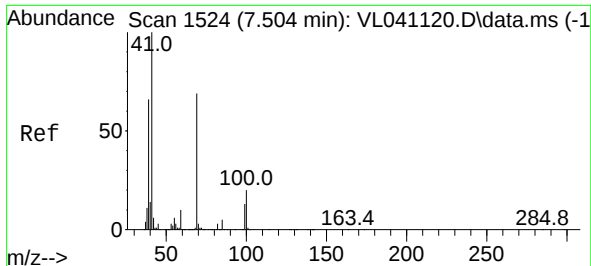
Tgt Ion: 42 Resp: 45117
Ion Ratio Lower Upper
42 100
72 39.3 31.2 46.8
71 39.5 29.9 44.9



#42
Bromodichloromethane
Concen: 0.463 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. -0.006 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 83 Resp: 106596
Ion Ratio Lower Upper
83 100
85 60.3 53.5 80.3
127 4.3 6.2 9.4#





#43

Methyl Methacrylate

Concen: 0.177 ppbv

RT: 7.504 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

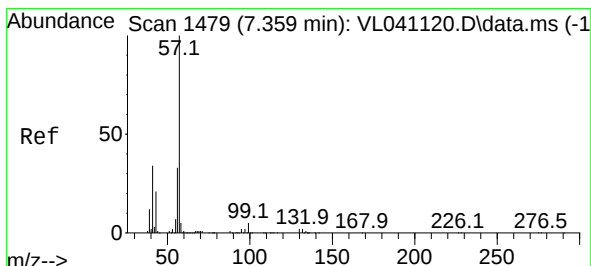
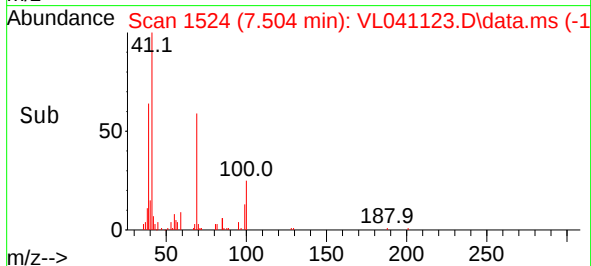
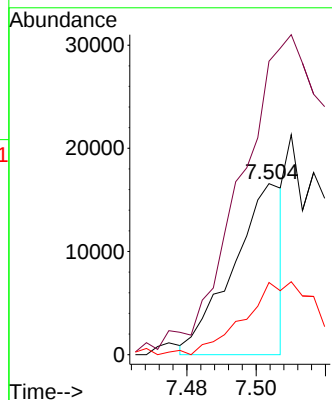
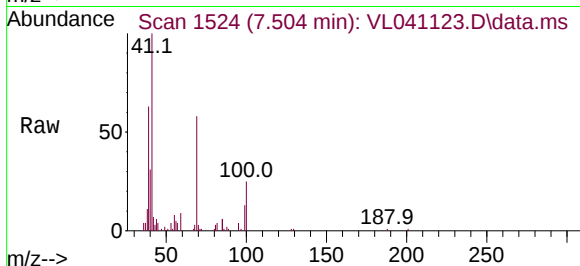
Tgt Ion: 69 Resp: 16495

Ion Ratio Lower Upper

69 100

41 0.0 119.2 178.8#

100 0.0 24.6 37.0#



#44

2,2,4-Trimethylpentane

Concen: 0.459 ppbv

RT: 7.356 min Scan# 1478

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

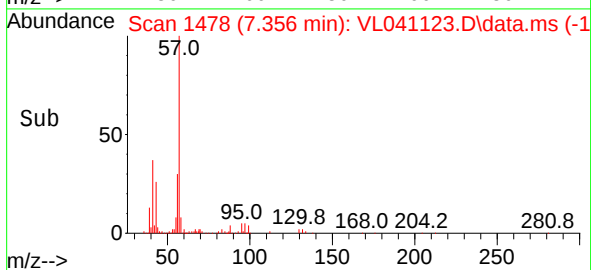
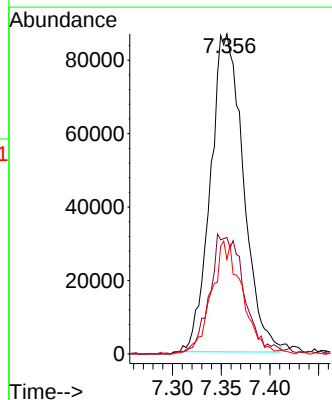
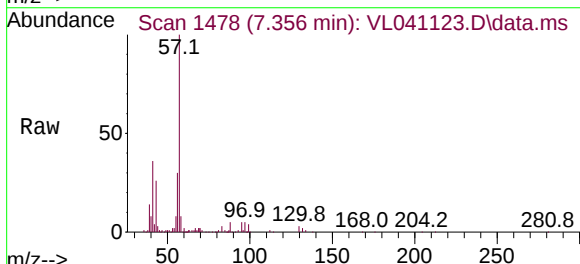
Tgt Ion: 57 Resp: 203674

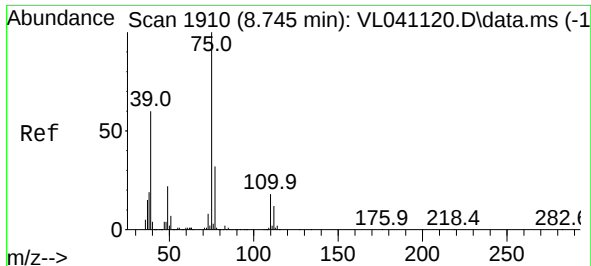
Ion Ratio Lower Upper

57 100

41 39.6 28.2 42.2

56 33.8 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 0.131 ppbv

RT: 8.748 min Scan# 1910

Delta R.T. 0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_1

ClientSampleId :

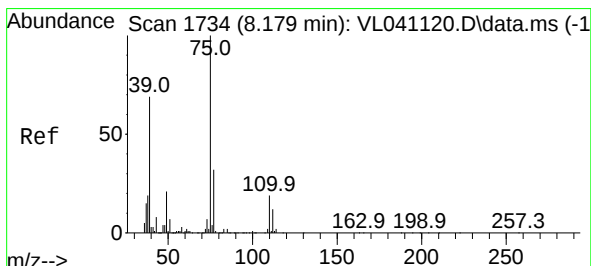
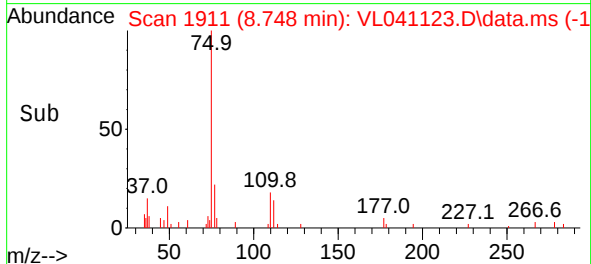
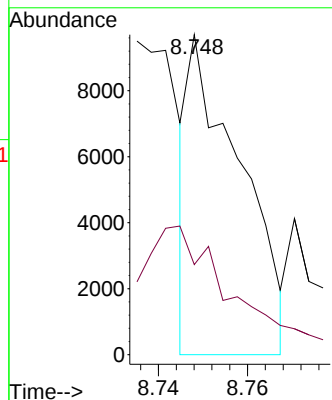
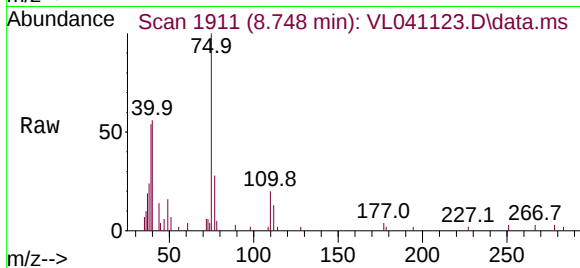
VSTDIC0.5

Tgt Ion: 75 Resp: 7854

Ion Ratio Lower Upper

75 100

77 28.2 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 0.232 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. -0.010 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

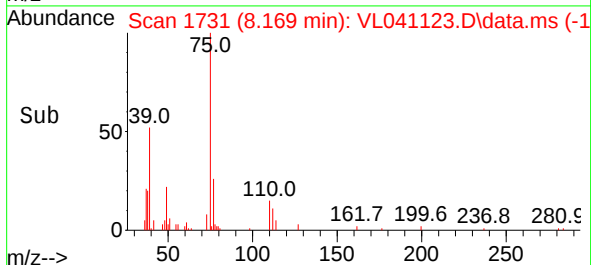
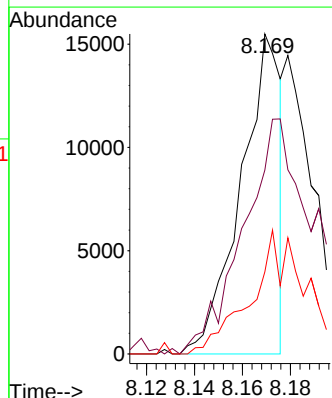
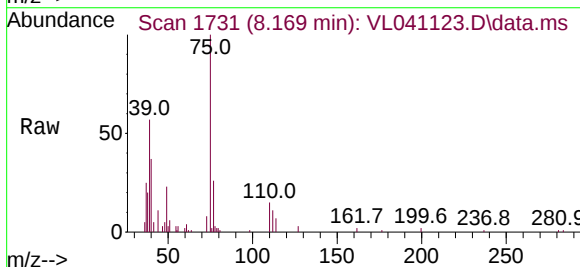
Tgt Ion: 75 Resp: 17690

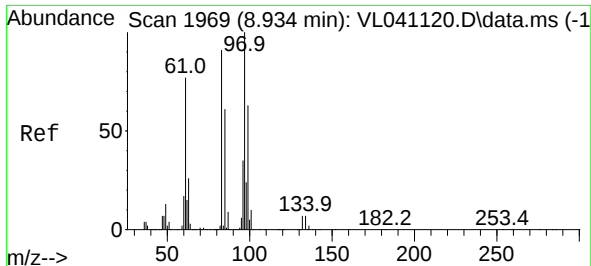
Ion Ratio Lower Upper

75 100

39 57.4 55.1 82.7

77 28.3 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.311 ppbv

RT: 8.931 min Scan# 1969

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 35572

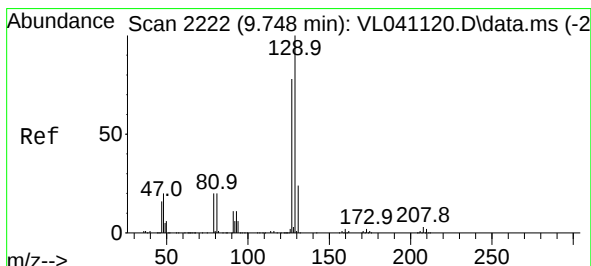
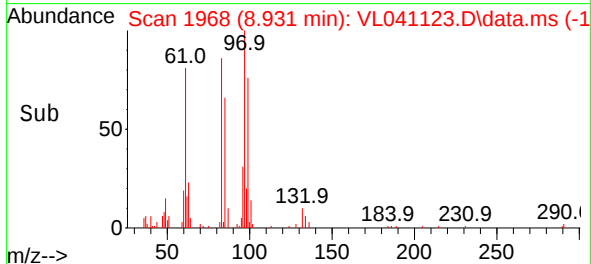
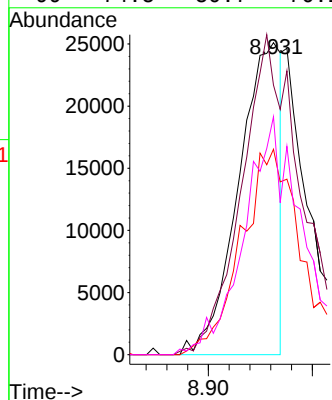
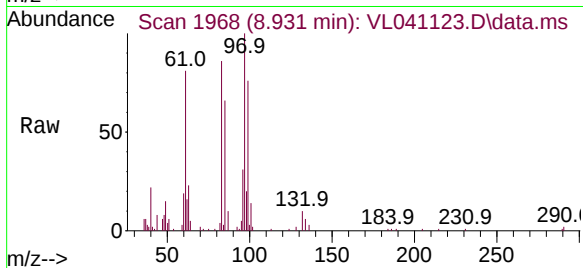
Ion Ratio Lower Upper

97 100

83 85.3 72.9 109.3

85 65.8 49.1 73.7

99 74.5 50.7 76.1



#48

Dibromochloromethane

Concen: 0.428 ppbv

RT: 9.742 min Scan# 2220

Delta R.T. -0.006 min

Lab File: VL041123.D

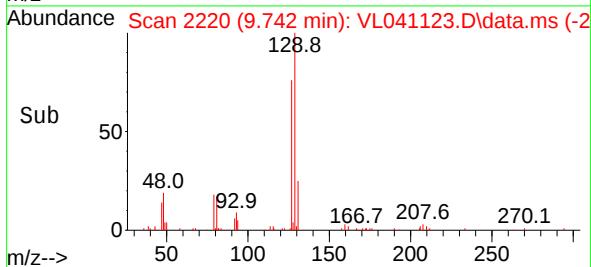
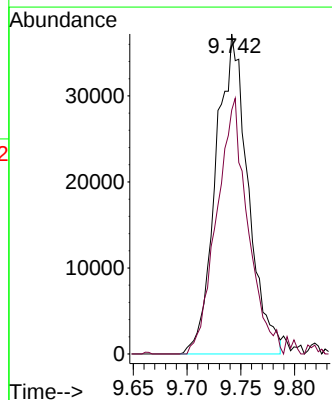
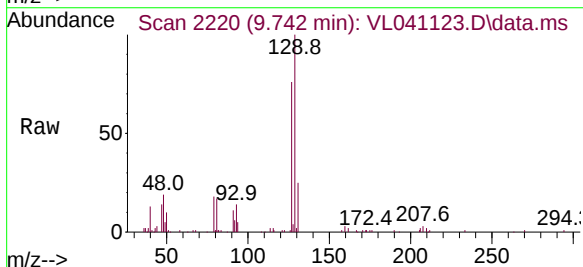
Acq: 4 Apr 2024 11:23

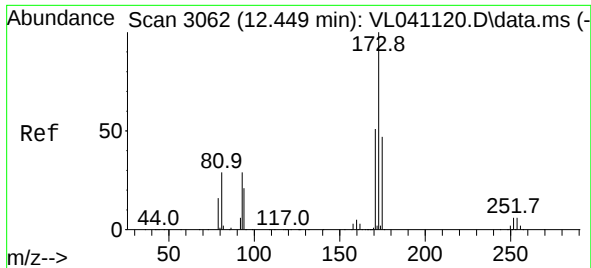
Tgt Ion: 129 Resp: 77548

Ion Ratio Lower Upper

129 100

127 79.3 39.3 117.9





#49

Bromoform

Concen: 0.363 ppbv

RT: 12.436 min Scan# 3062

Delta R.T. -0.013 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

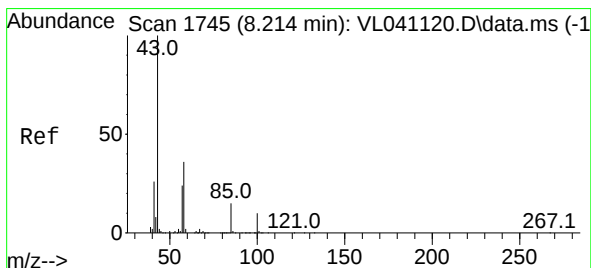
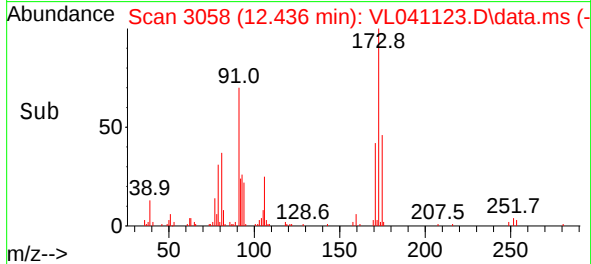
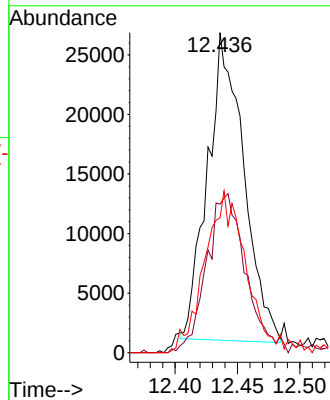
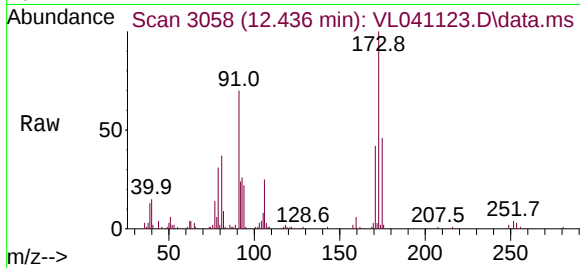
Tgt Ion:173 Resp: 52179

Ion Ratio Lower Upper

173 100

175 58.0 39.4 59.0

171 61.9 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 0.241 ppbv

RT: 8.227 min Scan# 1749

Delta R.T. 0.013 min

Lab File: VL041123.D

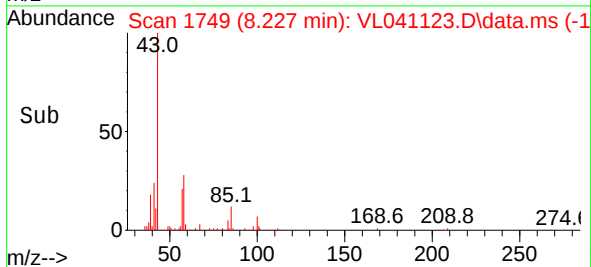
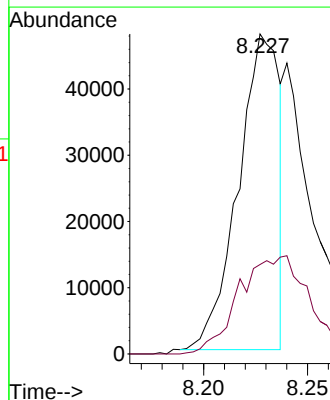
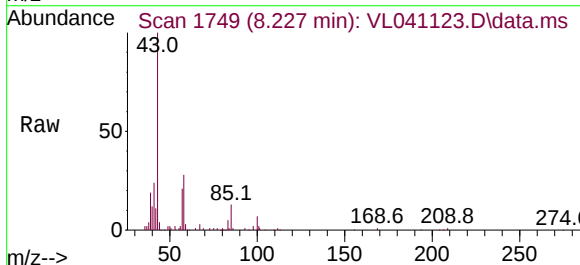
Acq: 4 Apr 2024 11:23

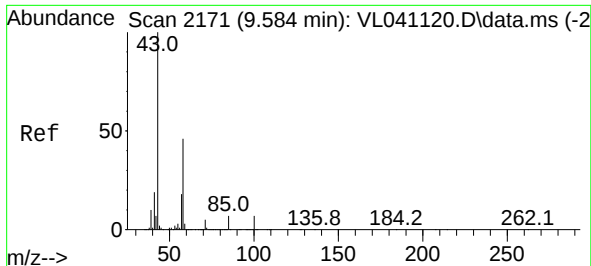
Tgt Ion: 43 Resp: 65233

Ion Ratio Lower Upper

43 100

58 0.0 27.7 41.5#

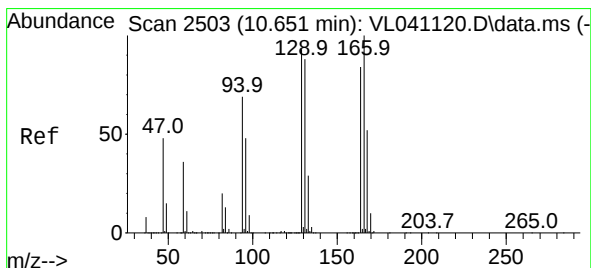
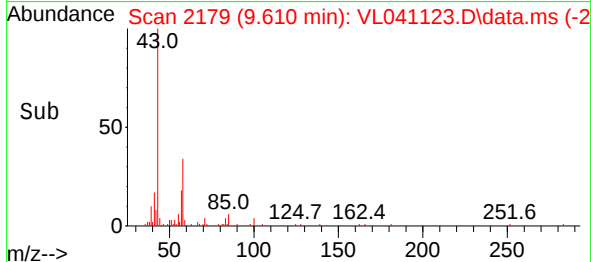
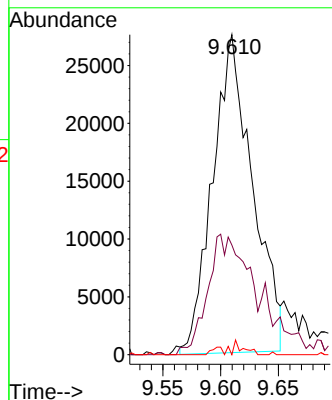
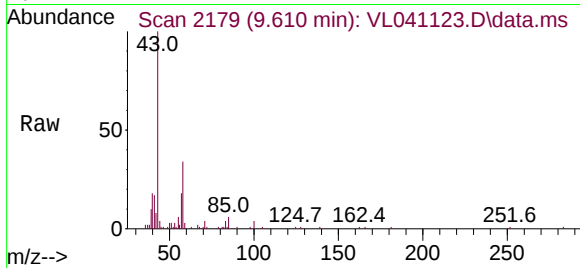




#51
2-Hexanone
Concen: 0.352 ppbv
RT: 9.610 min Scan# 2171
Delta R.T. 0.026 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

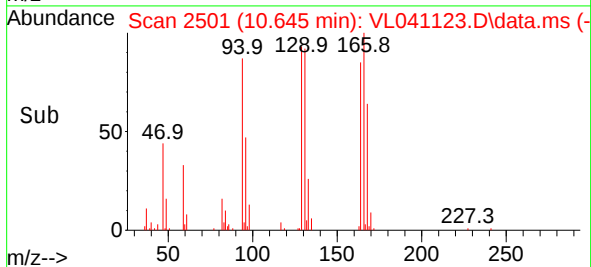
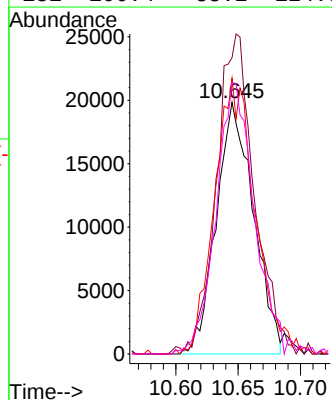
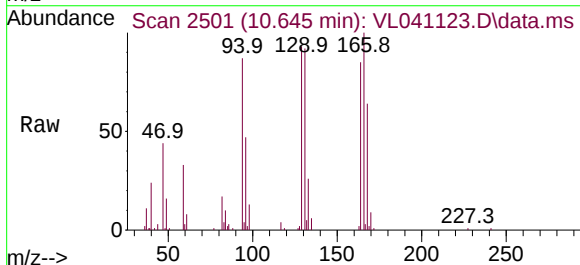
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

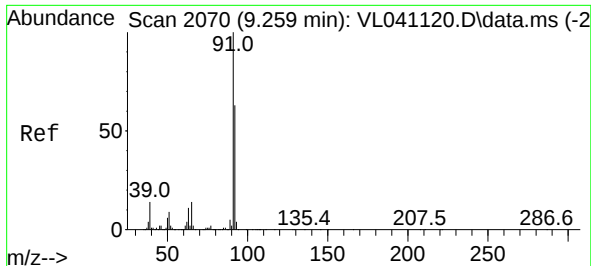
Tgt Ion: 43 Resp: 66086
Ion Ratio Lower Upper
43 100
58 51.9 37.3 55.9
98 0.8 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.480 ppbv
RT: 10.645 min Scan# 2501
Delta R.T. -0.006 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 164 Resp: 41258
Ion Ratio Lower Upper
164 100
166 119.4 95.0 142.6
129 109.6 88.7 133.1
131 106.4 83.2 124.8





#53

Toluene

Concen: 0.149 ppbv

RT: 9.259 min Scan# 2070

Delta R.T. 0.000 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

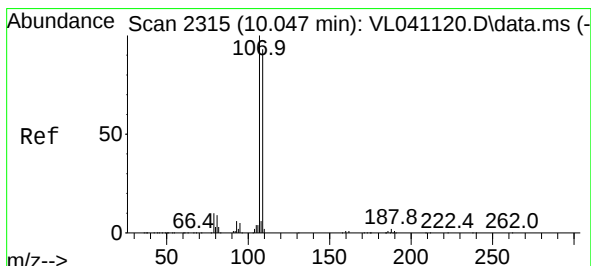
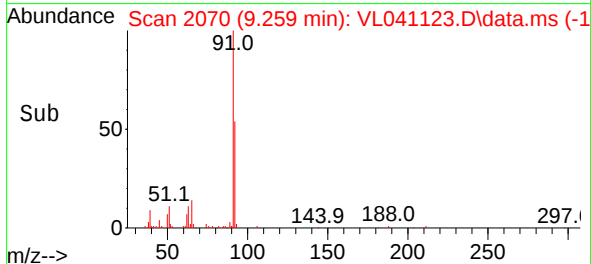
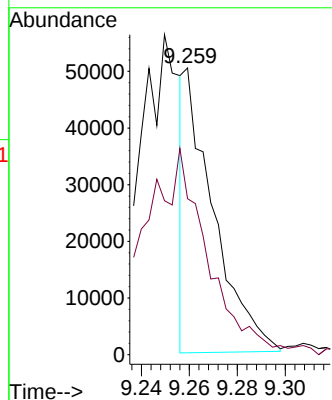
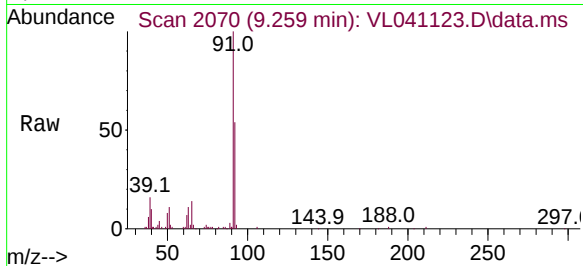
VSTDICC0.5

Tgt Ion: 91 Resp: 42357

Ion Ratio Lower Upper

91 100

92 164.1 49.0 73.4#



#54

1,2-Dibromoethane

Concen: 0.269 ppbv

RT: 10.041 min Scan# 2313

Delta R.T. -0.006 min

Lab File: VL041123.D

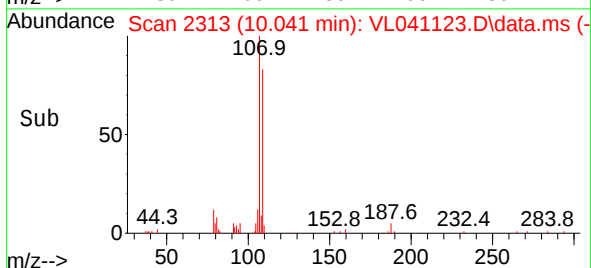
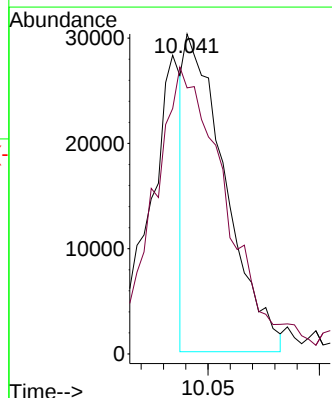
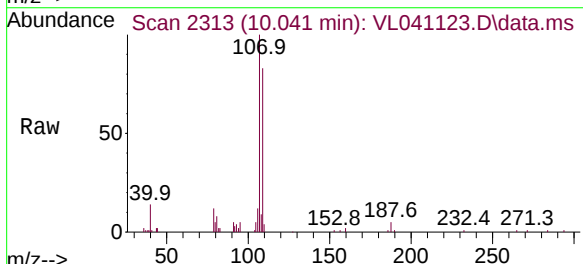
Acq: 4 Apr 2024 11:23

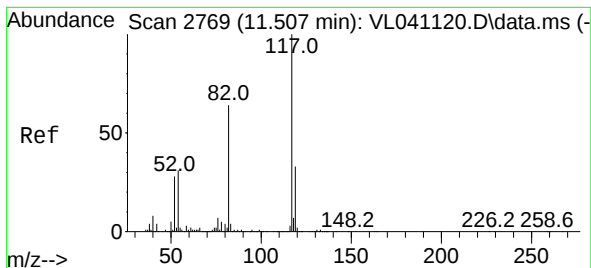
Tgt Ion: 107 Resp: 38330

Ion Ratio Lower Upper

107 100

109 78.8 74.3 111.5

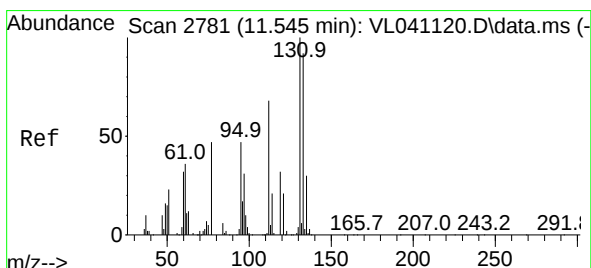
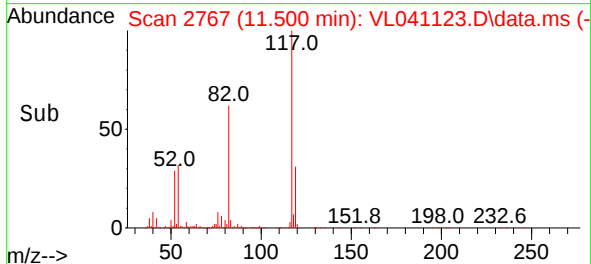
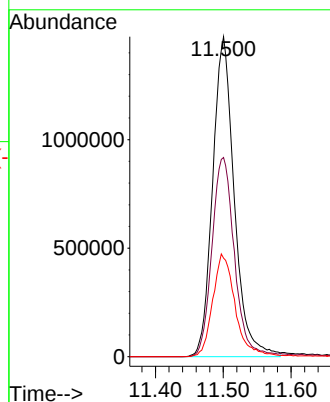
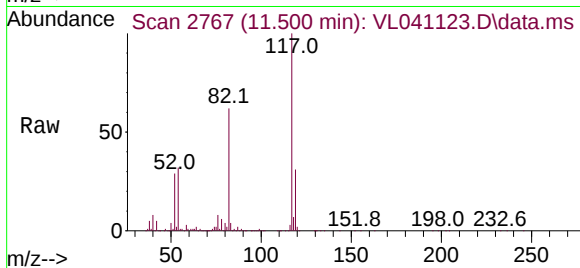




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.500 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

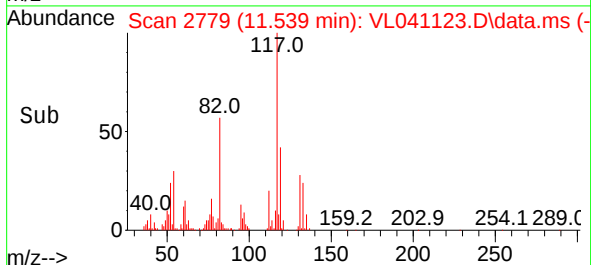
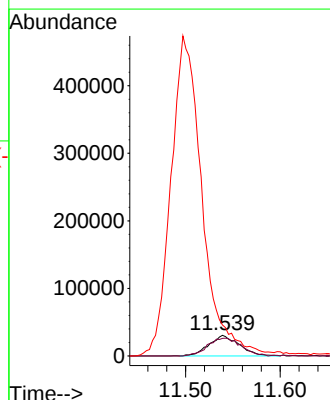
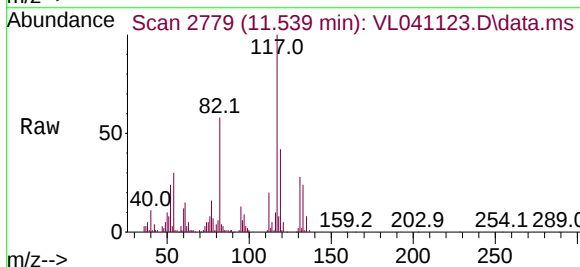
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

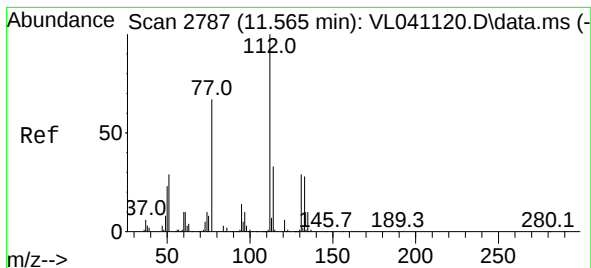
Tgt Ion:117 Resp: 3267363
Ion Ratio Lower Upper
117 100
82 65.9 51.0 76.6
119 34.0 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.508 ppbv
RT: 11.539 min Scan# 2779
Delta R.T. -0.006 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion:131 Resp: 67861
Ion Ratio Lower Upper
131 100
133 97.8 76.6 115.0
119 1634.7 49.9 74.9#

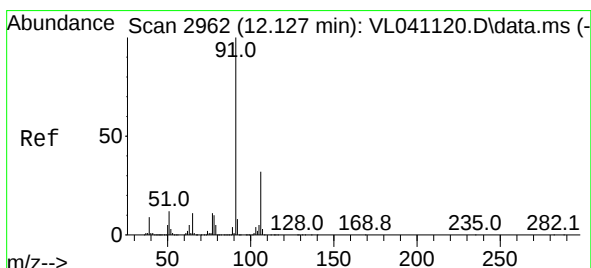
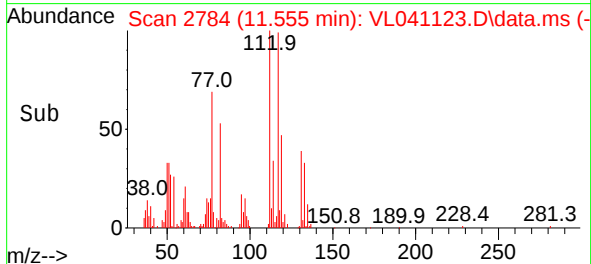
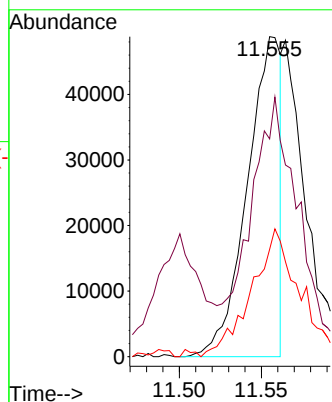
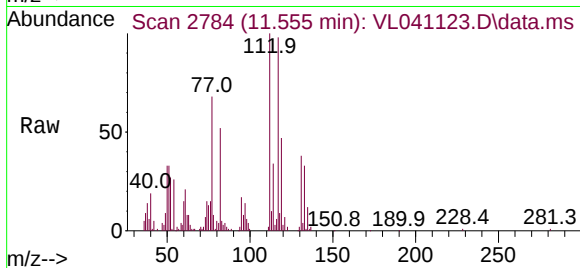




#57
Chlorobenzene
Concen: 0.313 ppbv
RT: 11.555 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

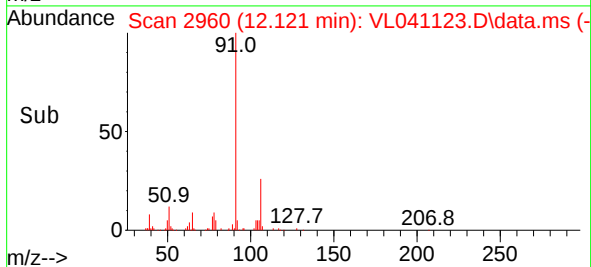
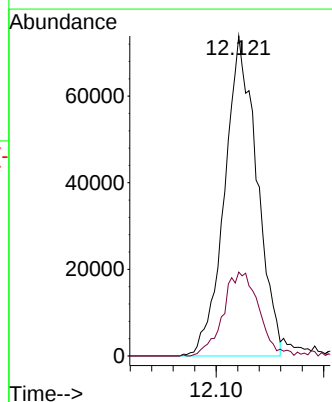
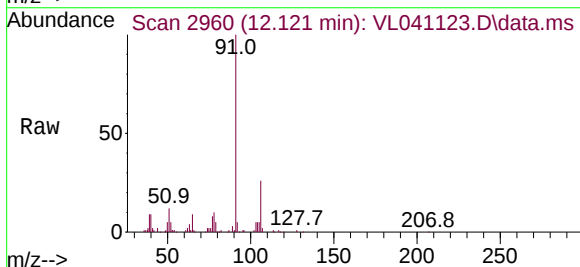
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

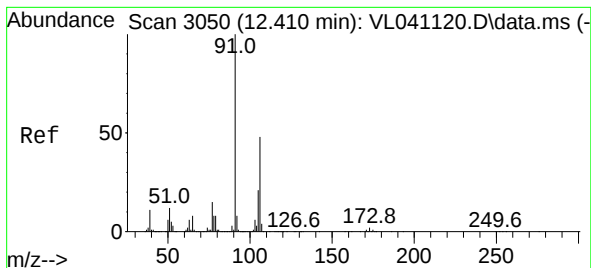
Tgt Ion:112 Resp: 69119
Ion Ratio Lower Upper
112 100
77 29.6 54.0 81.0#
114 33.6 29.3 35.9



#58
Ethyl Benzene
Concen: 0.434 ppbv
RT: 12.121 min Scan# 2960
Delta R.T. -0.006 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 91 Resp: 154261
Ion Ratio Lower Upper
91 100
106 26.2 25.6 38.4





#59

m/p-Xylene

Concen: 0.336 ppbv

RT: 12.407 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

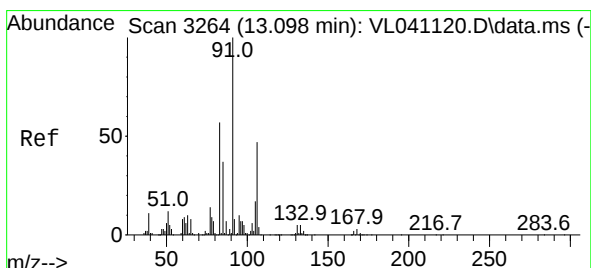
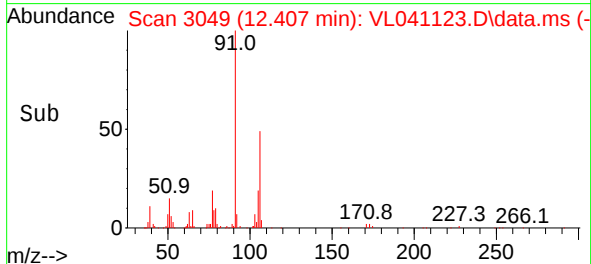
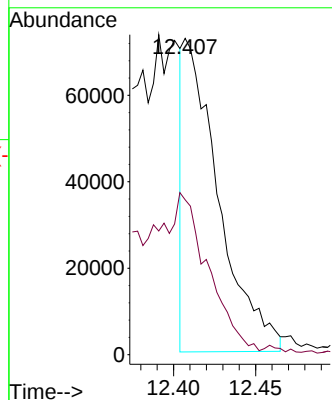
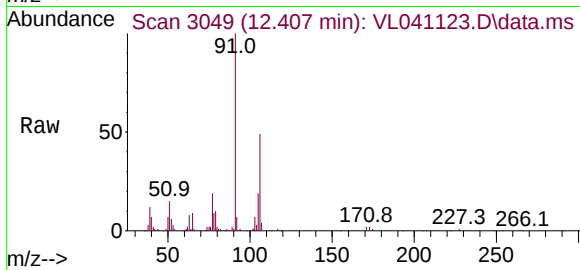
VSTDICC0.5

Tgt Ion: 91 Resp: 108071

Ion Ratio Lower Upper

91 100

106 116.0 35.4 53.2#



#60

o-Xylene

Concen: 0.232 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. -0.010 min

Lab File: VL041123.D

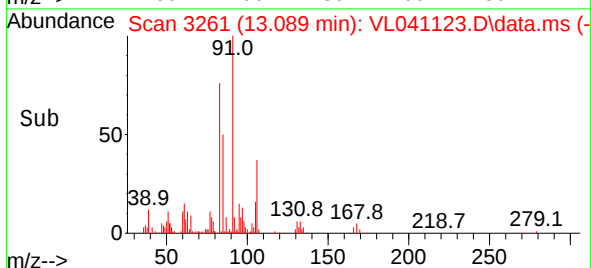
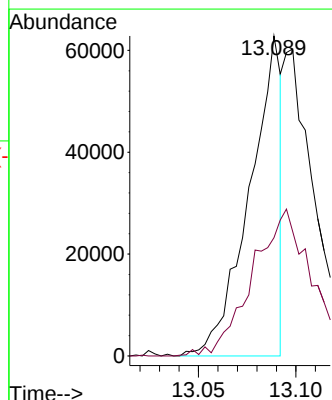
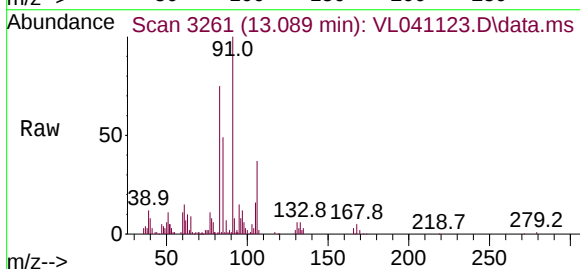
Acq: 4 Apr 2024 11:23

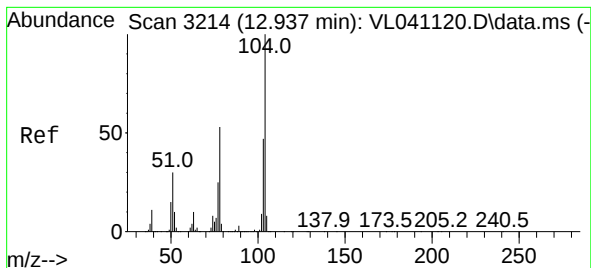
Tgt Ion: 91 Resp: 70828

Ion Ratio Lower Upper

91 100

106 0.0 22.9 68.5#





#61

Styrene

Concen: 0.344 ppbv

RT: 12.934 min Scan# 3214

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

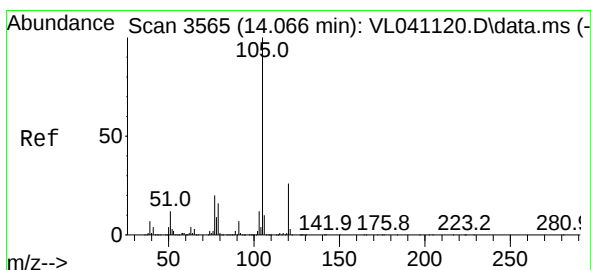
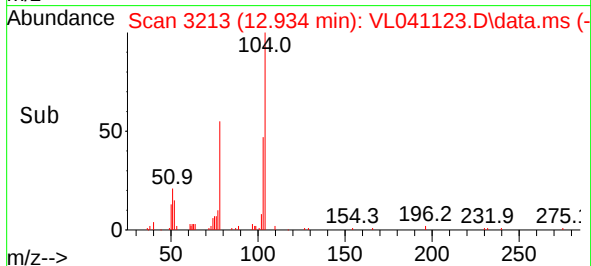
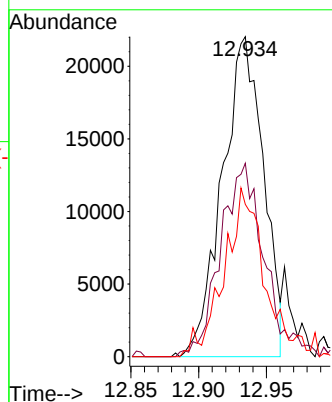
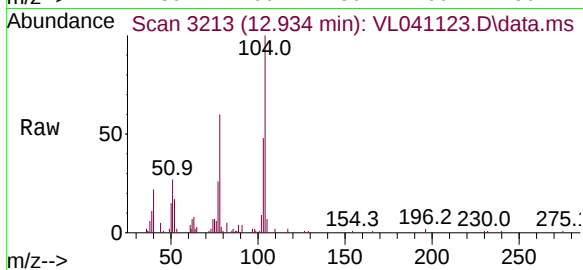
Tgt Ion:104 Resp: 46513

Ion Ratio Lower Upper

104 100

78 64.2 43.3 64.9

103 52.6 38.2 57.2



#62

Isopropylbenzene

Concen: 0.246 ppbv

RT: 14.060 min Scan# 3563

Delta R.T. -0.006 min

Lab File: VL041123.D

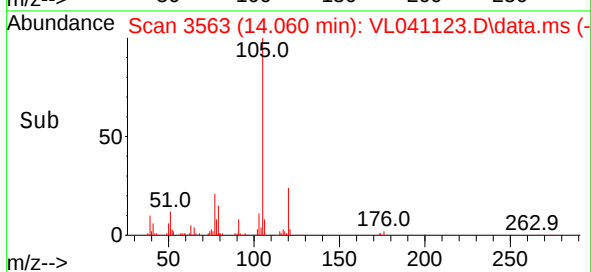
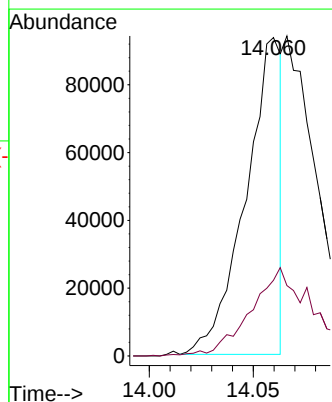
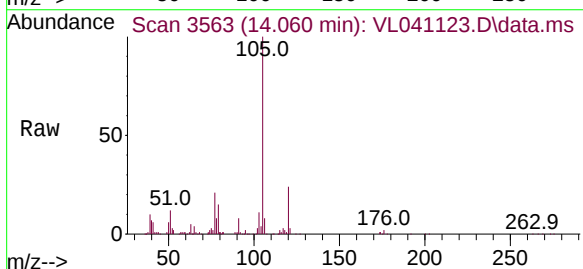
Acq: 4 Apr 2024 11:23

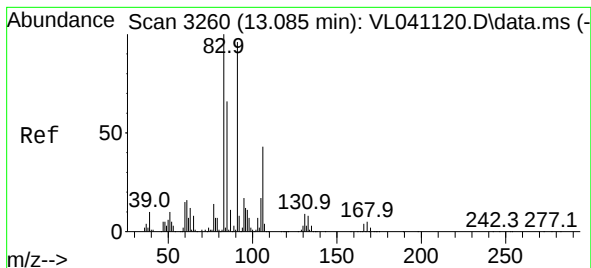
Tgt Ion:105 Resp: 111544

Ion Ratio Lower Upper

105 100

120 0.0 21.0 31.4#

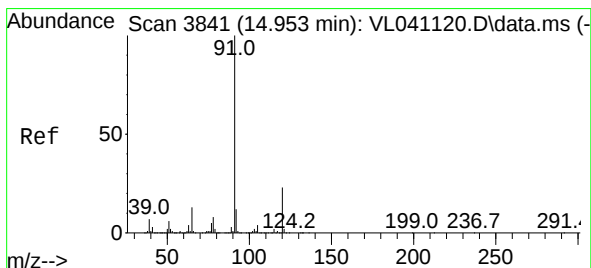
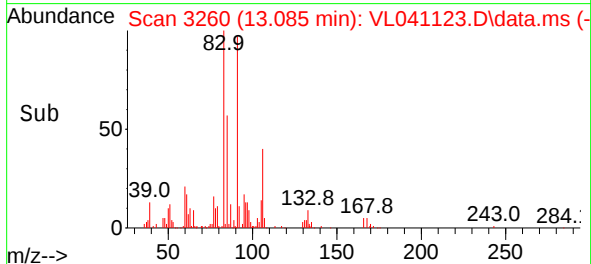
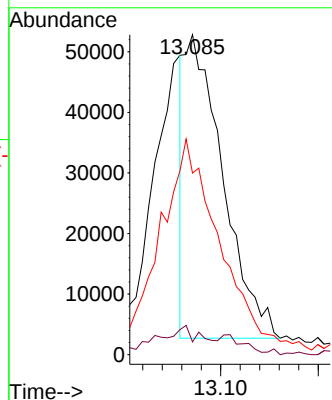
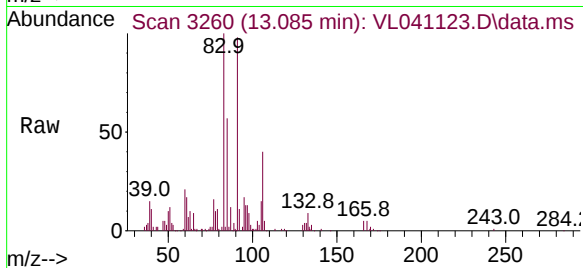




#63
1,1,2,2-Tetrachloroethane
Concen: 0.282 ppbv
RT: 13.085 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

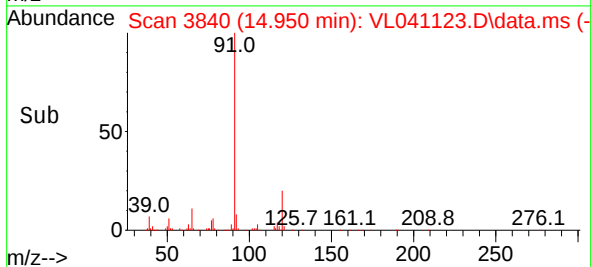
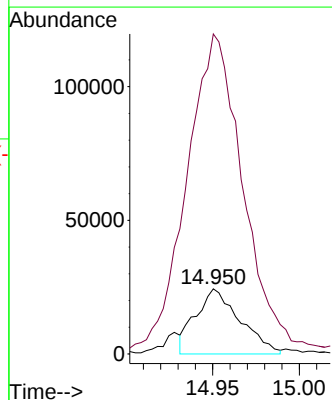
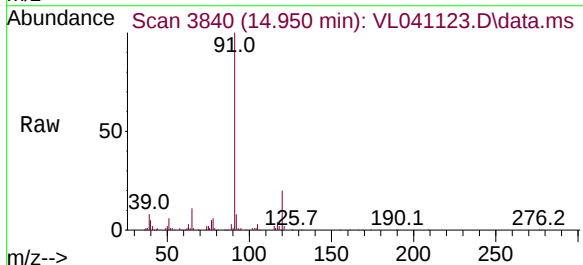
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

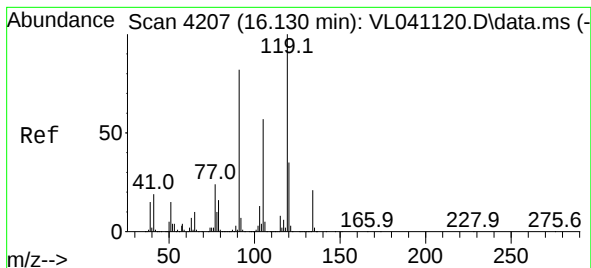
Tgt Ion: 83 Resp: 67990
Ion Ratio Lower Upper
83 100
131 16.2 4.7 14.0#
85 116.1 33.1 99.2#



#64
n-propylbenzene
Concen: 0.381 ppbv
RT: 14.950 min Scan# 3840
Delta R.T. -0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion:120 Resp: 43324
Ion Ratio Lower Upper
120 100
91 640.9 395.0 592.6#





#65

tert-Butylbenzene

Concen: 0.261 ppbv

RT: 16.124 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

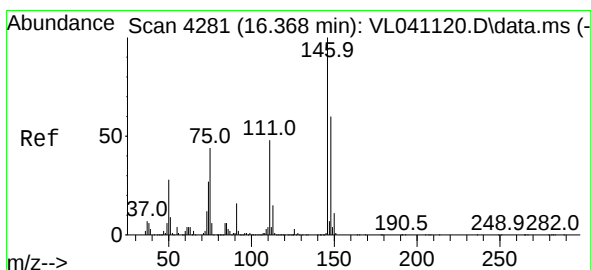
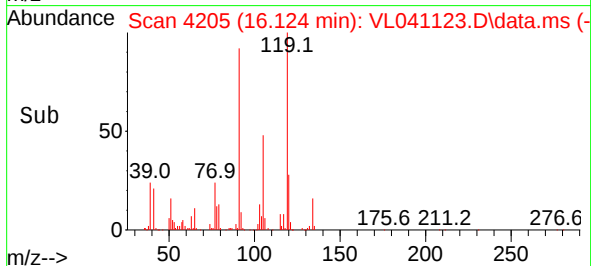
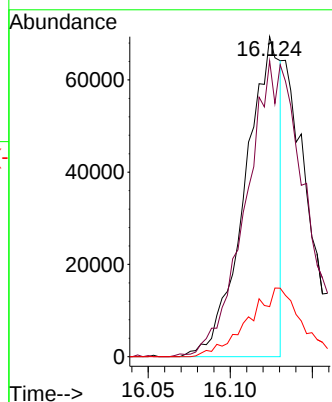
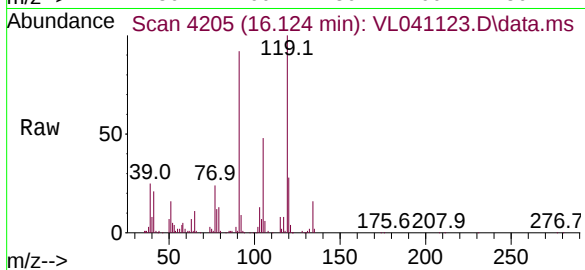
Tgt Ion:119 Resp: 103719

Ion Ratio Lower Upper

119 100

91 162.3 67.8 101.8#

134 33.5 16.0 24.0#



#66

Benzyl Chloride

Concen: 0.046 ppbv

RT: 16.362 min Scan# 4279

Delta R.T. -0.006 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

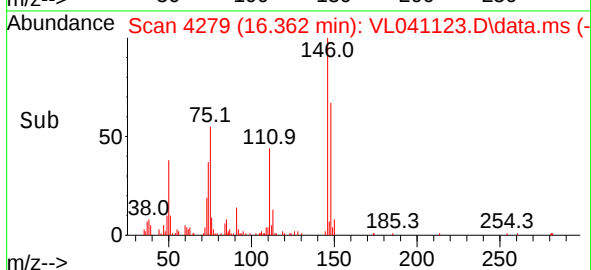
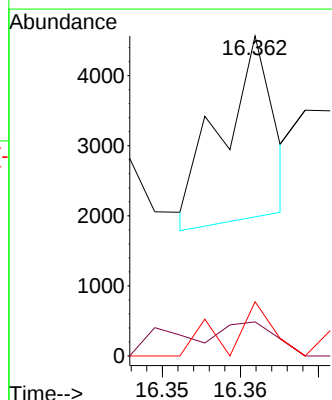
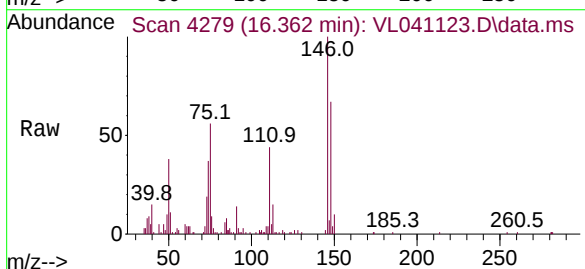
Tgt Ion: 91 Resp: 1209

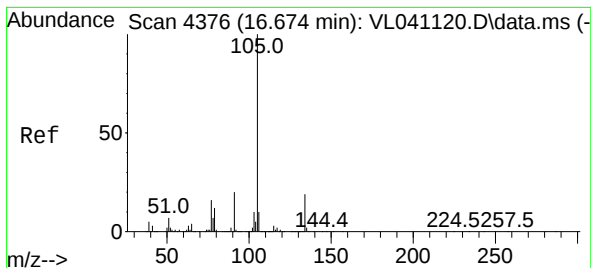
Ion Ratio Lower Upper

91 100

126 39.8 13.4 20.2#

128 0.0 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.464 ppbv

RT: 16.674 min Scan# 4376

Delta R.T. 0.000 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

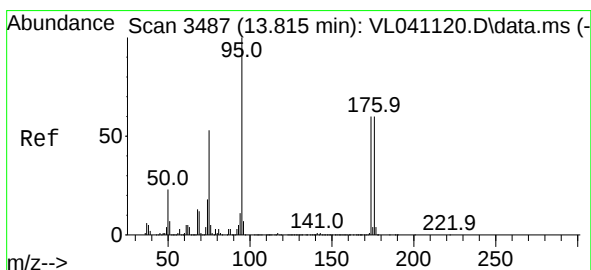
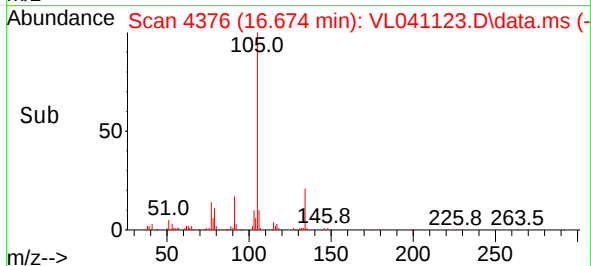
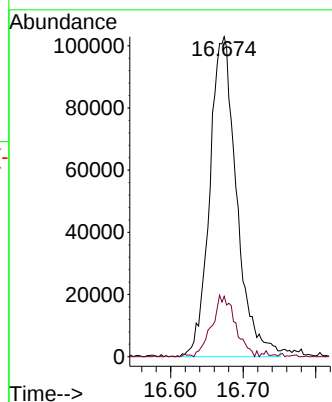
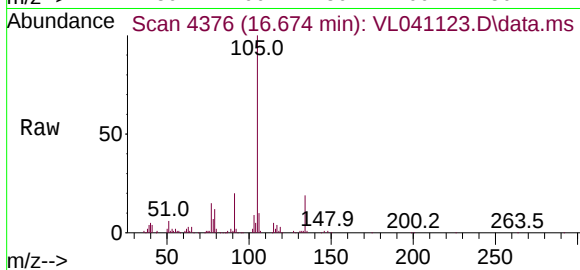
VSTDIC0.5

Tgt Ion:105 Resp: 265180

Ion Ratio Lower Upper

105 100

134 17.3 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.284 ppbv

RT: 13.809 min Scan# 3485

Delta R.T. -0.006 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

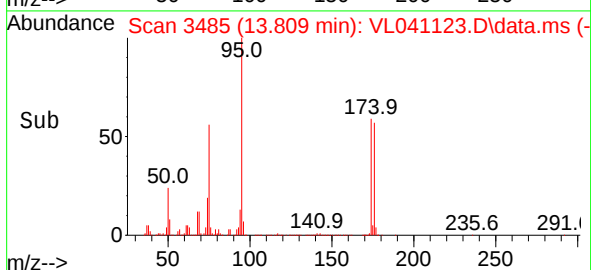
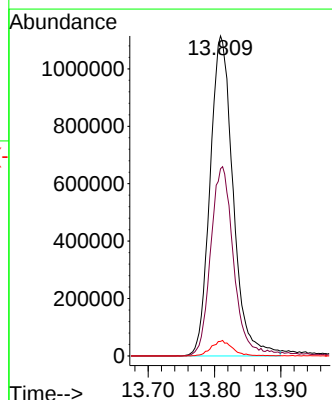
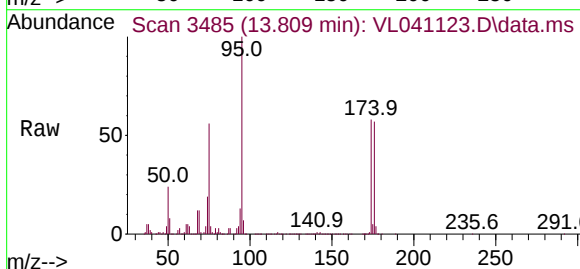
Tgt Ion: 95 Resp: 2692141

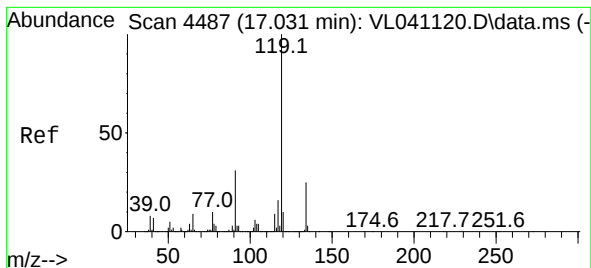
Ion Ratio Lower Upper

95 100

174 60.3 49.3 73.9

175 4.5 3.6 5.4





#69

p-Isopropyltoluene

Concen: 0.431 ppbv

RT: 17.034 min Scan# 4487

Delta R.T. 0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

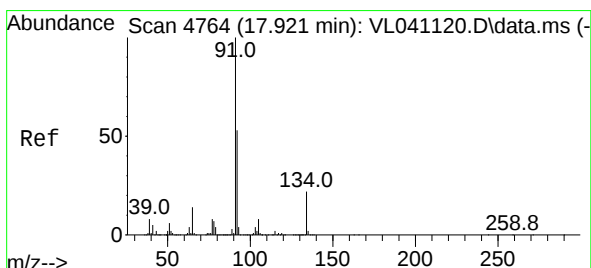
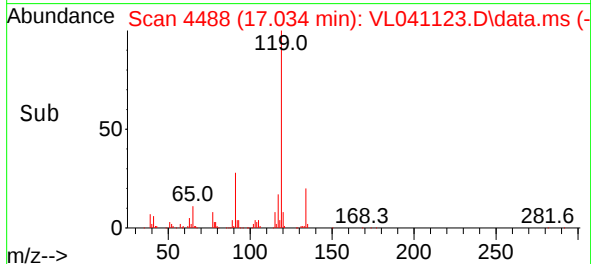
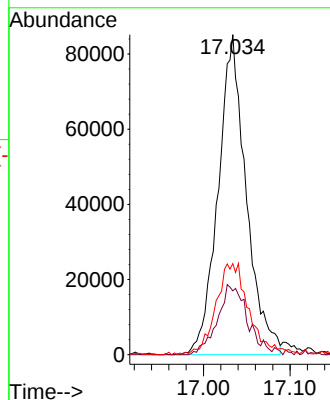
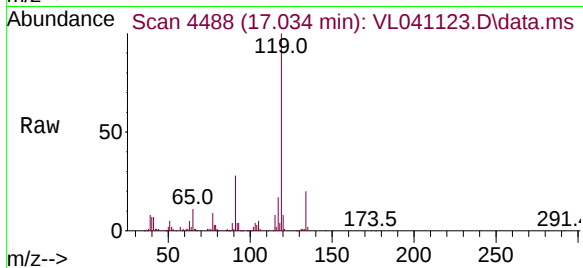
Tgt Ion:119 Resp: 192236

Ion Ratio Lower Upper

119 100

134 24.1 20.5 30.7

91 33.9 24.8 37.2



#70

n-Butylbenzene

Concen: 0.395 ppbv

RT: 17.925 min Scan# 4765

Delta R.T. 0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

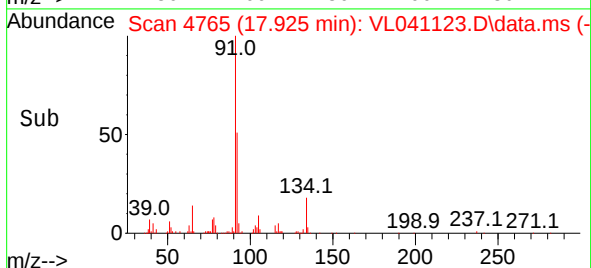
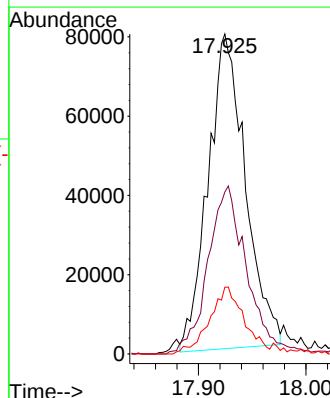
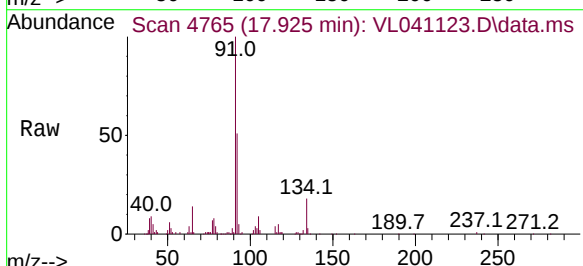
Tgt Ion: 91 Resp: 191803

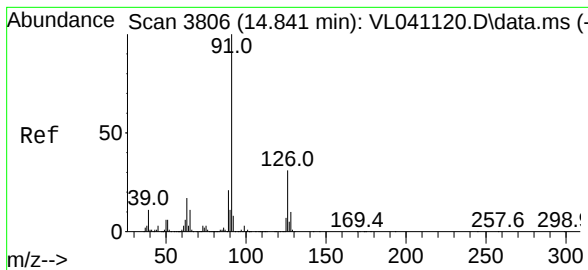
Ion Ratio Lower Upper

91 100

92 56.3 43.4 65.0

134 21.3 17.1 25.7

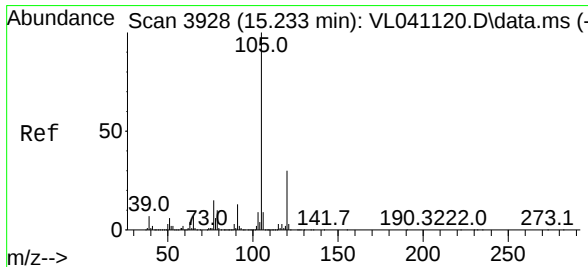
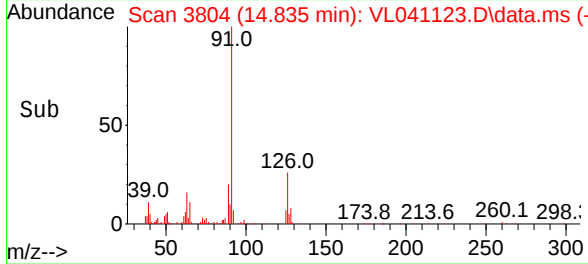
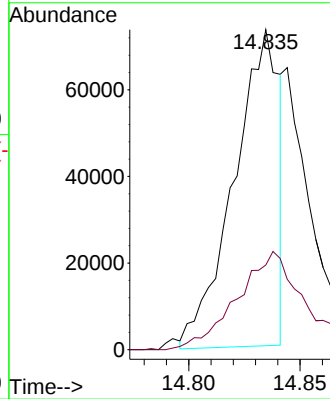
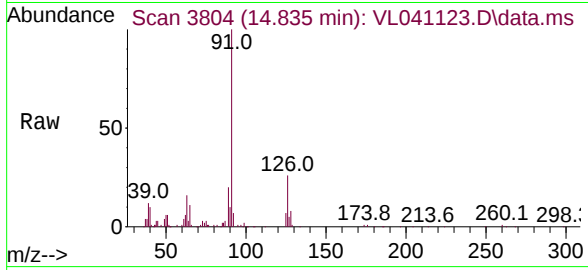




#71
2-Chlorotoluene
Concen: 0.296 ppbv
RT: 14.835 min Scan# 3804
Delta R.T. -0.006 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

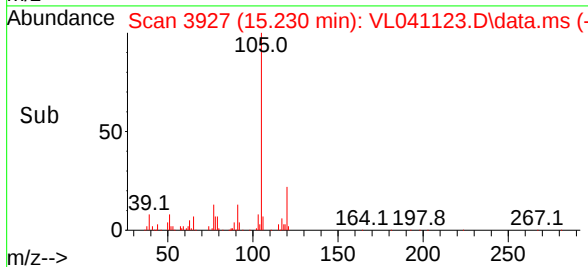
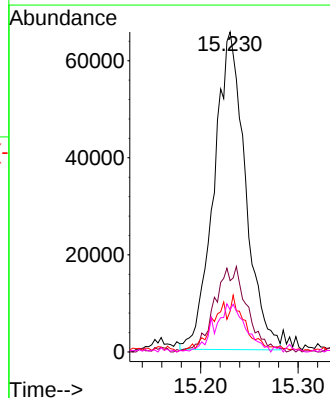
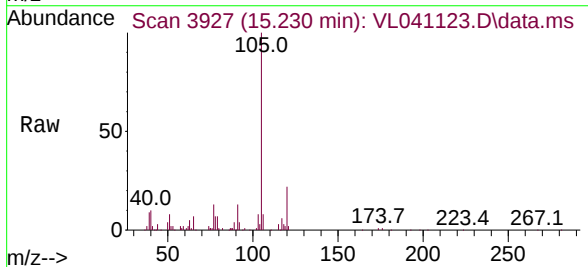
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

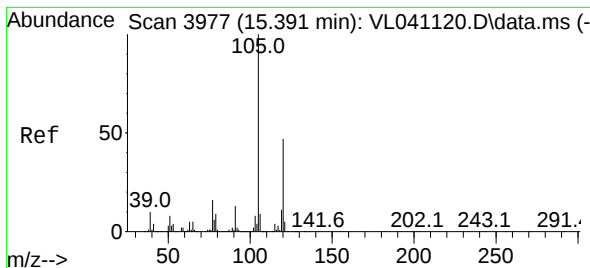
Tgt Ion: 91 Resp: 103054
Ion Ratio Lower Upper
91 100
126 48.5 12.5 50.1



#72
4-Ethyltoluene
Concen: 0.434 ppbv
RT: 15.230 min Scan# 3927
Delta R.T. -0.003 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion: 105 Resp: 146578
Ion Ratio Lower Upper
105 100
120 28.2 24.2 36.2
91 17.1 11.2 16.8#
77 15.2 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 0.413 ppbv

RT: 15.388 min Scan# 3976

Delta R.T. -0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

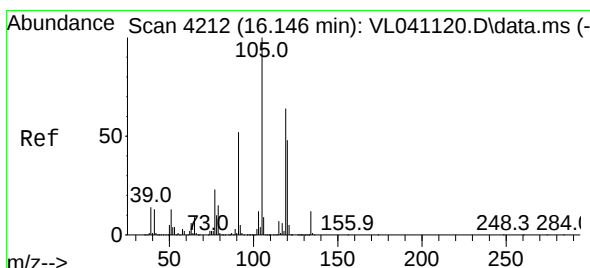
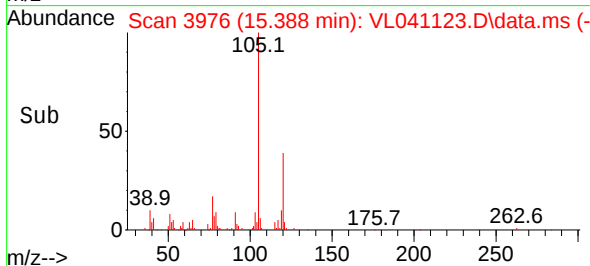
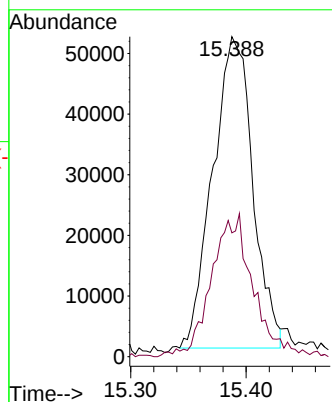
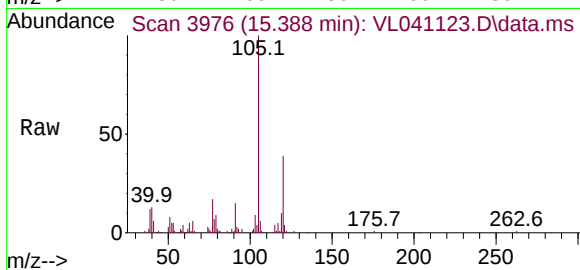
VSTDIC0.5

Tgt Ion:105 Resp: 124123

Ion Ratio Lower Upper

105 100

120 42.1 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 0.444 ppbv

RT: 16.140 min Scan# 4210

Delta R.T. -0.006 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Tgt Ion:105 Resp: 153563

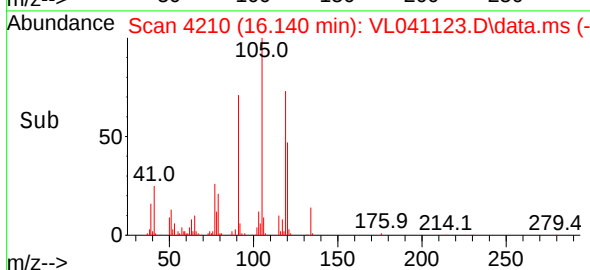
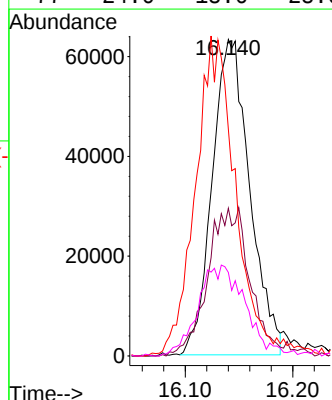
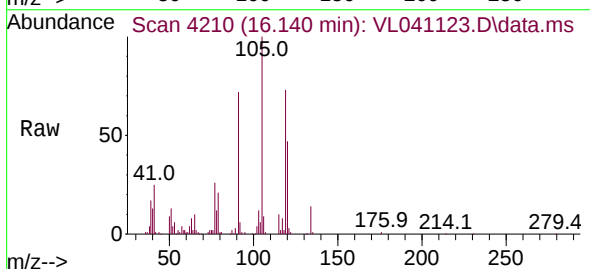
Ion Ratio Lower Upper

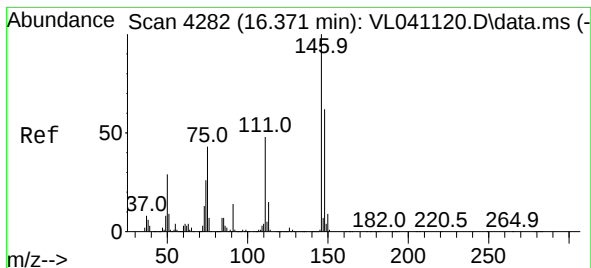
105 100

120 44.0 38.9 58.3

91 66.9 43.0 64.6#

77 24.0 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 0.453 ppbv

RT: 16.375 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

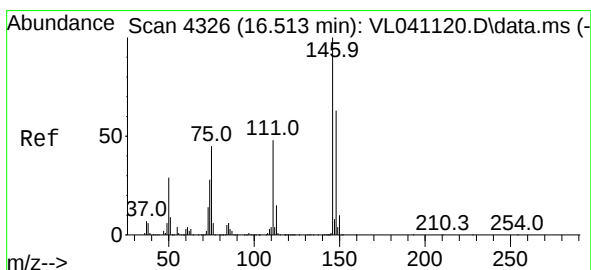
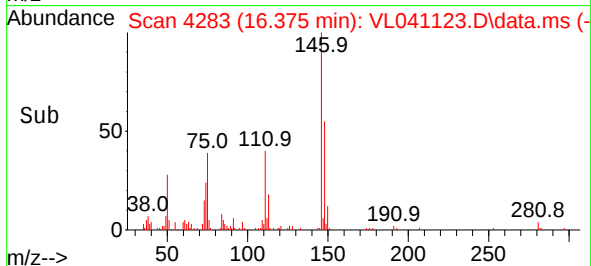
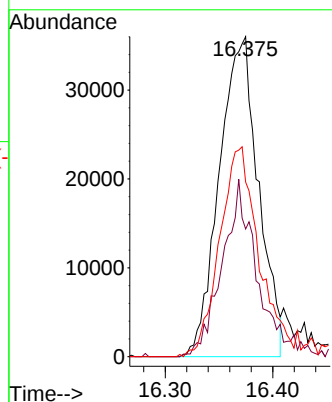
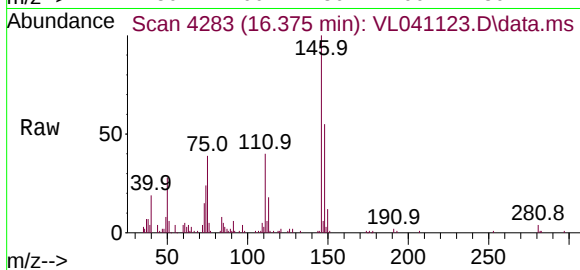
Tgt Ion:146 Resp: 90946

Ion Ratio Lower Upper

146 100

111 49.7 24.1 72.4

148 67.6 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 0.165 ppbv

RT: 16.500 min Scan# 4322

Delta R.T. -0.013 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

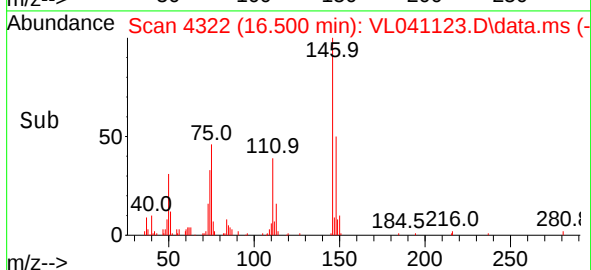
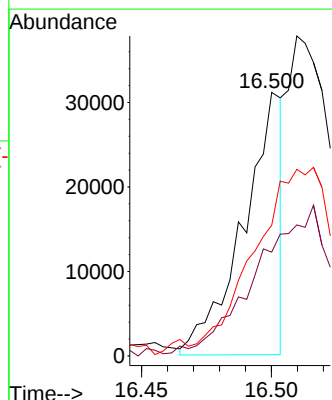
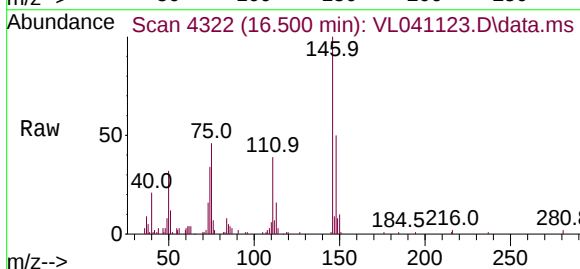
Tgt Ion:146 Resp: 32355

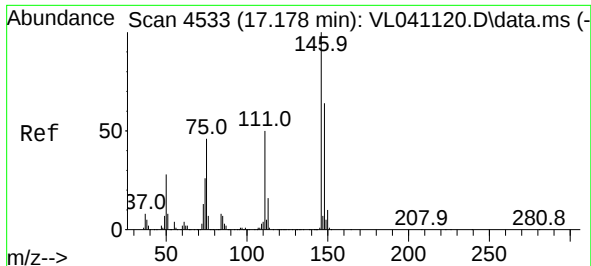
Ion Ratio Lower Upper

146 100

111 0.0 24.1 72.3#

148 0.0 33.1 99.2#

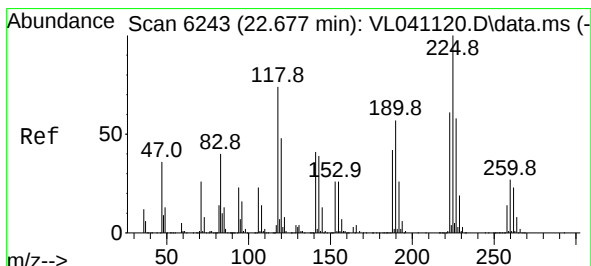
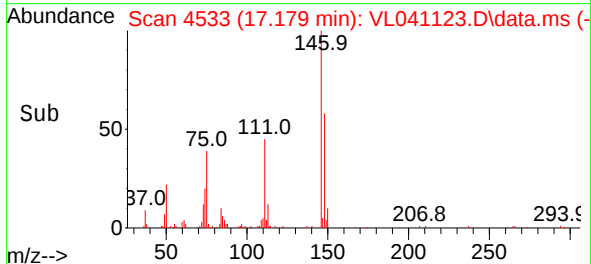
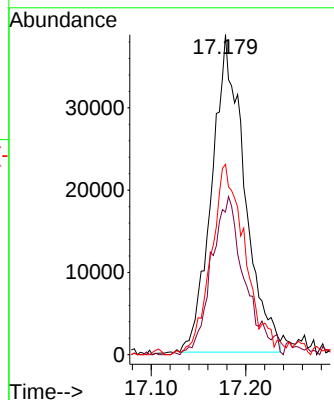
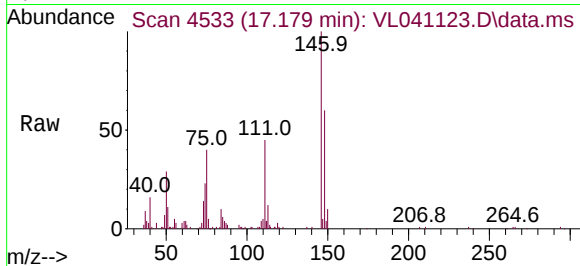




#77
1,2-Dichlorobenzene
Concen: 0.476 ppbv
RT: 17.179 min Scan# 4533
Delta R.T. 0.000 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

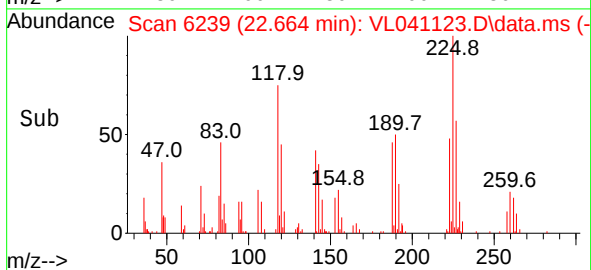
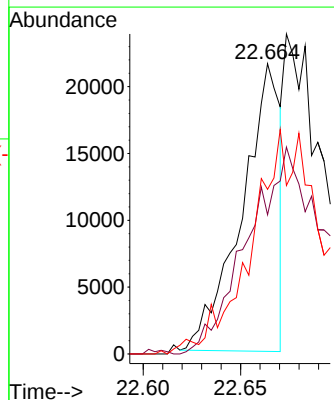
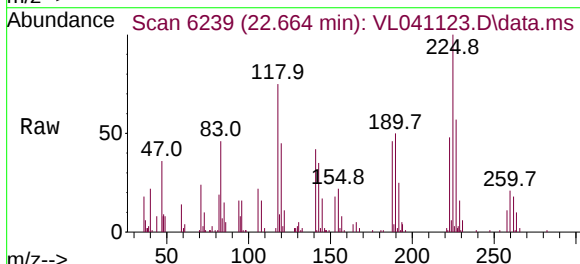
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

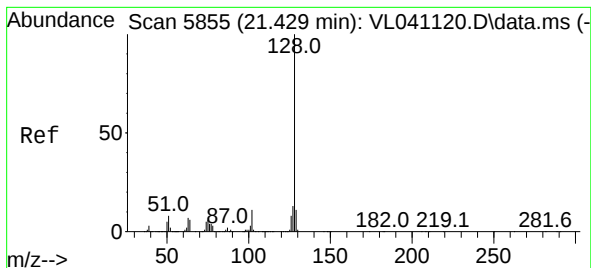
Tgt Ion:146 Resp: 92831
Ion Ratio Lower Upper
146 100
111 52.5 25.1 75.3
148 64.7 32.6 97.7



#78
Hexachloro-1,3-Butadiene
Concen: 0.227 ppbv
RT: 22.664 min Scan# 6239
Delta R.T. -0.013 min
Lab File: VL041123.D
Acq: 4 Apr 2024 11:23

Tgt Ion:225 Resp: 29394
Ion Ratio Lower Upper
225 100
223 0.0 50.9 76.3#
227 0.0 51.3 76.9#





#79

Naphthalene

Concen: 0.035 ppbv

RT: 21.416 min Scan# 5851

Delta R.T. -0.013 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

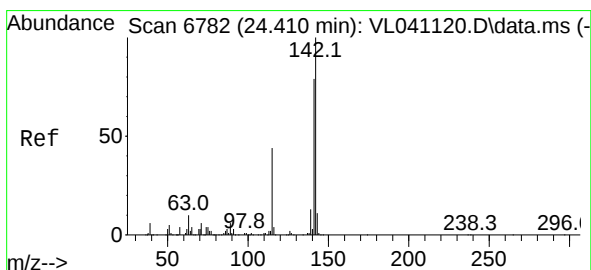
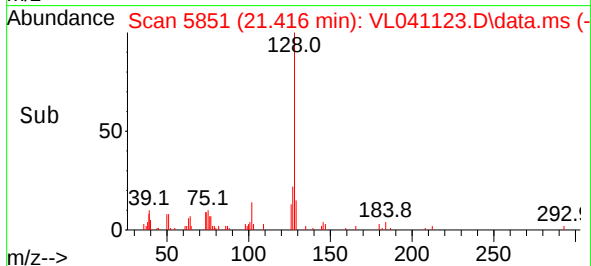
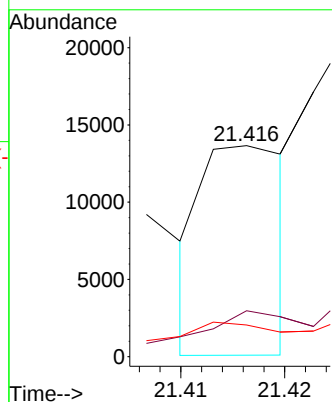
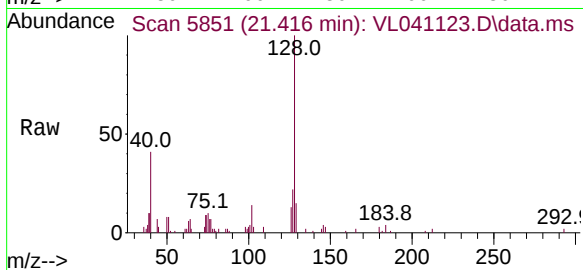
Tgt Ion:128 Resp: 7703

Ion Ratio Lower Upper

128 100

127 27.3 10.6 15.8#

129 12.1 8.6 12.8



#80

Naphthalene, 2-methyl-

Concen: 0.108 ppbv

RT: 24.432 min Scan# 6789

Delta R.T. 0.023 min

Lab File: VL041123.D

Acq: 4 Apr 2024 11:23

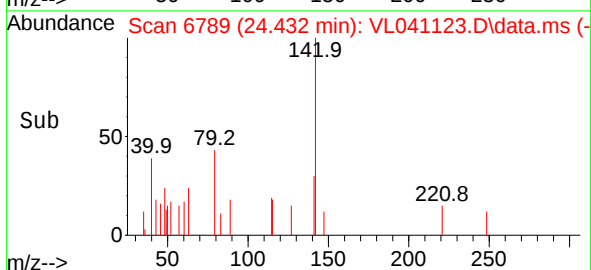
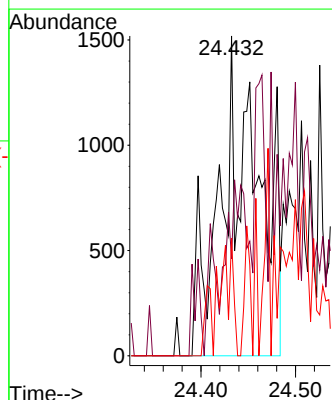
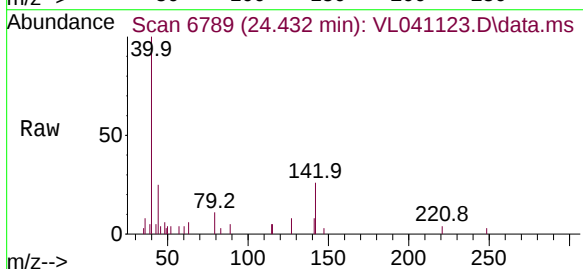
Tgt Ion:142 Resp: 4111

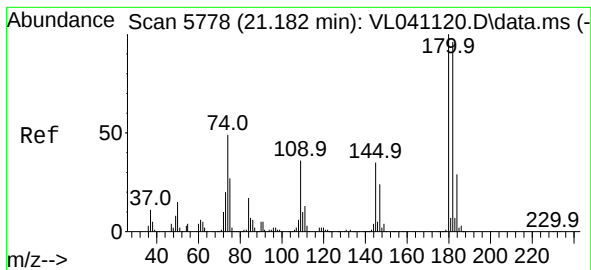
Ion Ratio Lower Upper

142 100

141 0.0 64.4 96.6#

115 21.7 33.5 50.3#





#81

1,2,4-Trichlorobenzene

Concen: 0.120 ppbv

RT: 21.178 min Scan# 5

Delta R.T. -0.003 min

Lab File: VL041123.D

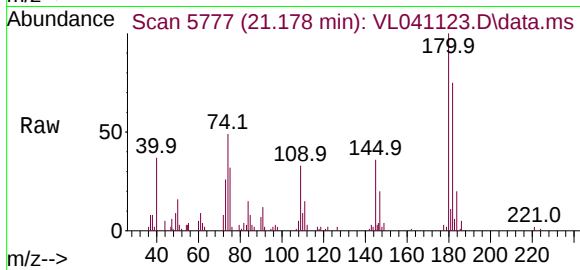
Acq: 4 Apr 2024 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 15047

Ion Ratio Lower Upper

180 100

182 0.0 77.4 116.2#

184 0.0 24.9 37.3#

