

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041085.D
 Acq On : 11 Mar 2024 13:00
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Mar 12 05:50:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 05:47:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1447474	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3708598	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	3320277	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2648169	10.201	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	143814	0.521	ppbv	95
3) Chlorodifluoromethane	2.671	51	112247	0.528	ppbv	96
4) Chloromethane	2.809	50	42688	0.531	ppbv	95
5) Vinyl Chloride	2.922	62	41556	0.508	ppbv #	87
6) Bromomethane	3.118	94	15987	0.492	ppbv	82
7) Chloroethane	3.198	64	9827	0.341	ppbv #	80
8) Dichlorotetrafluoroethane	2.851	85	104327	0.521	ppbv	98
9) Propene	2.693	41	35473	0.501	ppbv	93
10) Heptane	7.590	43	79593	0.470	ppbv	97
11) Trichlorofluoromethane	3.565	101	108833	0.512	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.070	101	82415	0.527	ppbv	100
13) Ethanol	3.240	45	496	0.028	ppbv #	38
14) Bromoethene	3.365	108	30791	0.505	ppbv #	93
15) Acetone	3.484	43	92027	0.558	ppbv	97
16) 1,3-Butadiene	2.983	39	36200	0.466	ppbv	91
17) tert-Butyl alcohol	3.899	59	62399	0.509	ppbv	99
18) 1,1-Dichloroethene	3.880	96	35916	0.522	ppbv	88
19) Isopropyl Alcohol	3.594	45	45571	0.517	ppbv	100
20) Methylene Chloride	3.941	84	39444	0.614	ppbv	85
21) Allyl Chloride	4.002	41	48715	0.523	ppbv	96
22) trans-1,2-Dichloroethene	4.452	96	33083	0.404	ppbv	97
23) Vinyl Acetate	4.642	43	69155	0.378	ppbv #	92
24) 1,1-Dichloroethane	4.571	63	70290	0.417	ppbv	99
25) Ethyl Acetate	5.221	43	141461	0.476	ppbv #	97
26) Hexane	5.221	57	36796	0.276	ppbv #	1
27) Carbon Disulfide	4.127	76	71306	0.448	ppbv #	89
28) Methyl tert-Butyl Ether	4.607	73	50447	0.430	ppbv	95
29) Chloroform	5.279	83	109139	0.476	ppbv	85
30) Cyclohexane	6.610	84	31109	0.285	ppbv #	46
31) cis-1,2-Dichloroethene	5.082	61	57894	0.449	ppbv	95
32) 1,1,1-Trichloroethane	6.012	97	100532	0.490	ppbv	92
34) 2-Butanone	4.799	43	77292	0.420	ppbv	94
35) Carbon Tetrachloride	6.500	117	55942	0.259	ppbv	94
36) Benzene	6.375	78	132588	0.480	ppbv #	92
37) 1,2-Dichloroethane	5.819	62	80242	0.483	ppbv #	95
38) Trichloroethene	7.304	130	48804	0.474	ppbv	93
39) 1,2-Dichloropropane	7.082	63	50241	0.455	ppbv	95
40) 1,4-Dioxane	7.304	88	685	0.016	ppbv #	1
41) Tetrahydrofuran	5.590	42	47293	0.433	ppbv	95
42) Bromodichloromethane	7.259	83	110283	0.463	ppbv	91
43) Methyl Methacrylate	7.494	69	30109	0.282	ppbv #	40
44) 2,2,4-Trimethylpentane	7.343	57	131415	0.285	ppbv #	54
45) t-1,3-Dichloropropene	8.729	75	12940	0.175	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041085.D
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC0.5

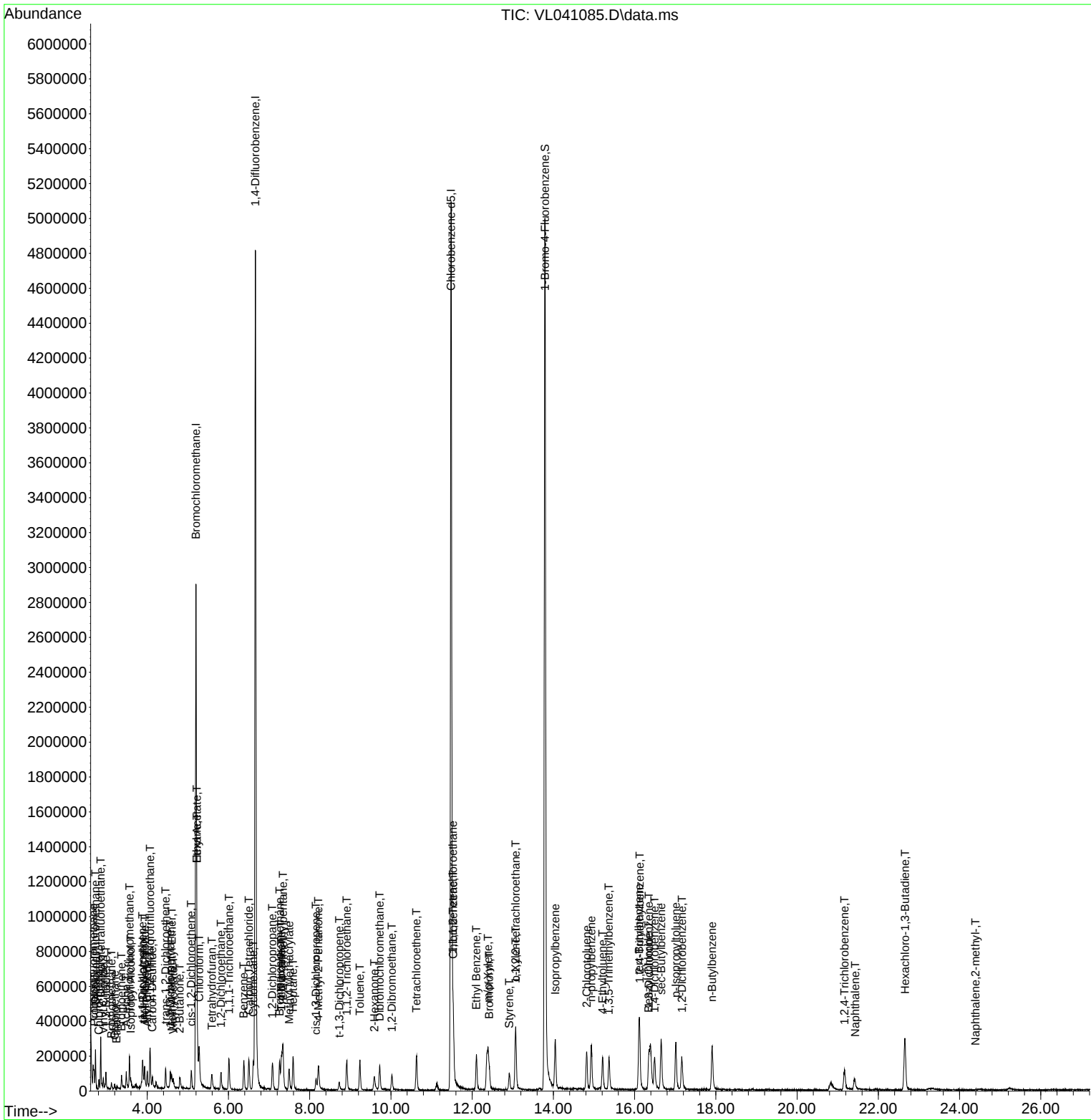
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 05:47:21 2024
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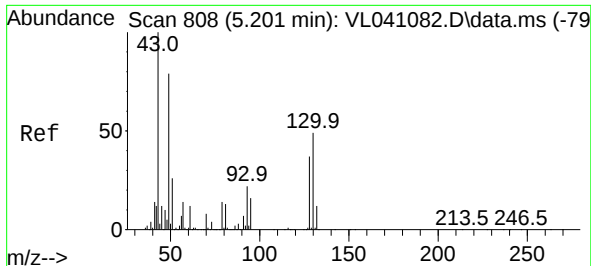
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	18741	0.203	ppbv	91
47) 1,1,2-Trichloroethane	8.912	97	35817	0.304	ppbv	92
48) Dibromochloromethane	9.722	129	78354	0.408	ppbv	95
49) Bromoform	12.420	173	59717	0.391	ppbv	98
50) 4-Methyl-2-Pentanone	8.211	43	112325	0.415	ppbv	96
51) 2-Hexanone	9.594	43	51462	0.257	ppbv #	31
52) Tetrachloroethene	10.629	164	29373	0.342	ppbv	91
53) Toluene	9.237	91	126110	0.424	ppbv	99
54) 1,2-Dibromoethane	10.018	107	30516	0.202	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.529	131	34695	0.244	ppbv #	9
57) Chlorobenzene	11.536	112	115492	0.486	ppbv #	85
58) Ethyl Benzene	12.105	91	173860	0.447	ppbv	93
59) m/p-Xylene	12.388	91	169880	0.498	ppbv #	47
60) o-Xylene	13.072	91	79118	0.244	ppbv #	47
61) Styrene	12.912	104	36053	0.244	ppbv #	58
62) Isopropylbenzene	14.047	105	232617	0.483	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.069	83	128400	0.519	ppbv	99
64) n-propylbenzene	14.934	120	37822	0.312	ppbv #	1
65) tert-Butylbenzene	16.108	119	115977	0.278	ppbv #	36
66) Benzyl Chloride	16.342	91	2100	0.075	ppbv #	49
67) sec-Butylbenzene	16.654	105	282060	0.469	ppbv	97
69) p-Isopropyltoluene	17.014	119	204998	0.437	ppbv	98
70) n-Butylbenzene	17.908	91	216852	0.428	ppbv	99
71) 2-Chlorotoluene	14.822	91	169024	0.459	ppbv	100
72) 4-Ethyltoluene	15.211	105	148632	0.417	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.365	105	137727	0.436	ppbv	88
74) 1,2,4-Trimethylbenzene	16.127	105	166779	0.463	ppbv	92
75) 1,3-Dichlorobenzene	16.349	146	96158	0.467	ppbv	94
76) 1,4-Dichlorobenzene	16.494	146	64504	0.312	ppbv #	55
77) 1,2-Dichlorobenzene	17.162	146	94635	0.466	ppbv	94
78) Hexachloro-1,3-Butadiene	22.657	225	50331	0.354	ppbv #	58
79) Naphthalene	21.432	128	18375	0.087	ppbv	97
80) Naphthalene,2-methyl-	24.390	142	814	0.029	ppbv #	35
81) 1,2,4-Trichlorobenzene	21.165	180	2952	0.024	ppbv #	11

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

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCO.5

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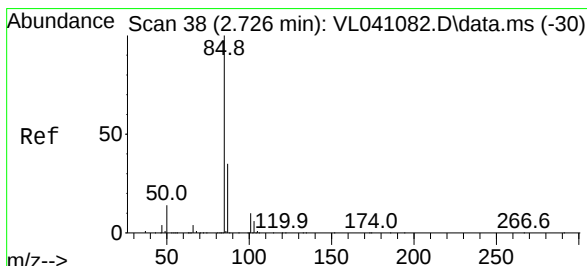
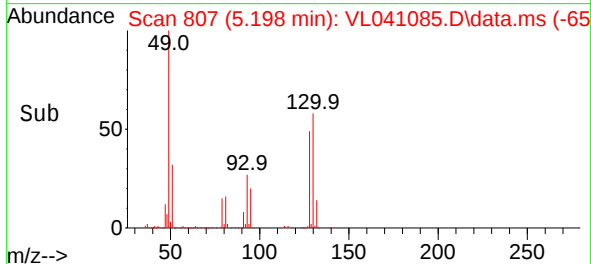
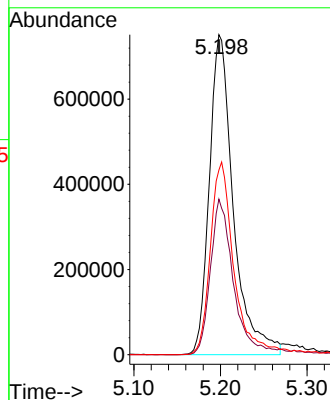
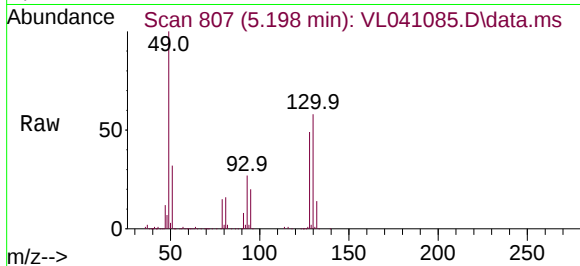




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

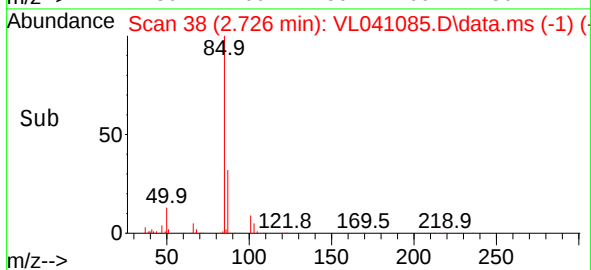
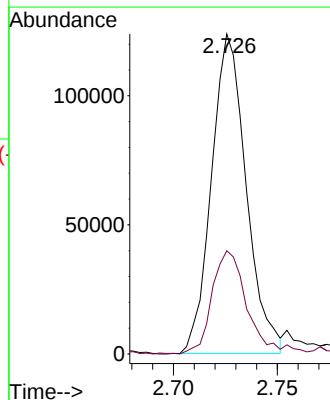
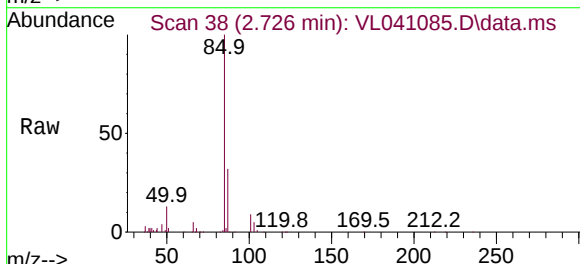
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MSVOA_L
ClientSampleId :
VSTDIC0.5

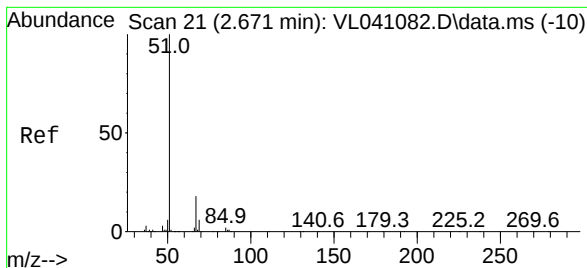
Tgt Ion: 49 Resp: 1447474
Ion Ratio Lower Upper
49 100
128 48.9 23.8 71.5
130 61.6 30.3 90.9



#2
Dichlorodifluoromethane
Concen: 0.521 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion: 85 Resp: 143814
Ion Ratio Lower Upper
85 100
87 32.3 28.1 42.1

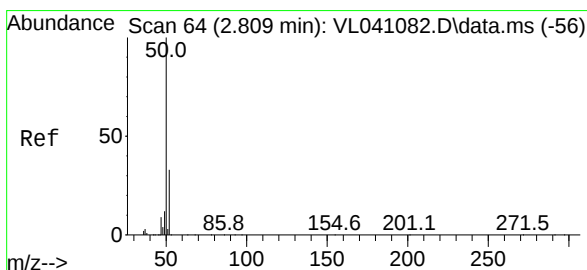
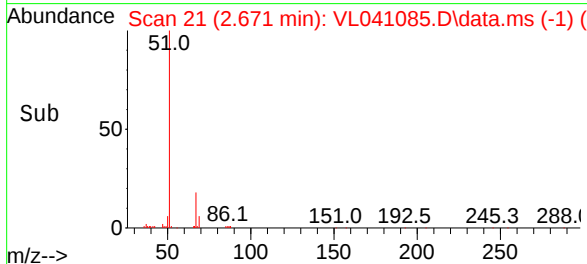
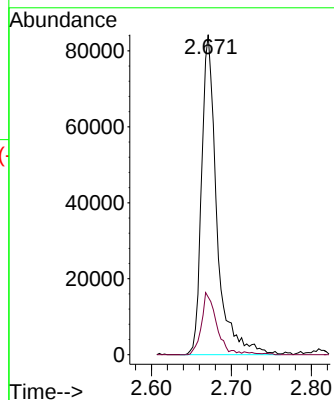
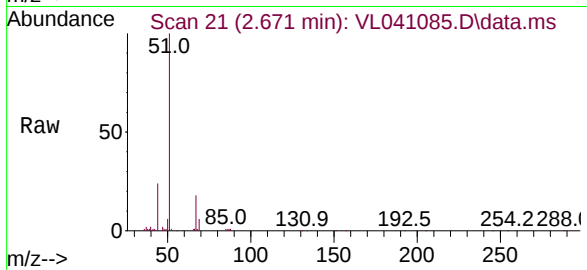




#3
Chlorodifluoromethane
Concen: 0.528 ppbv
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

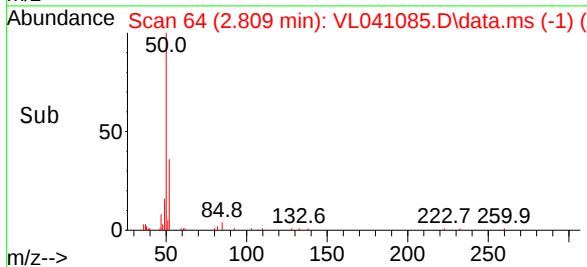
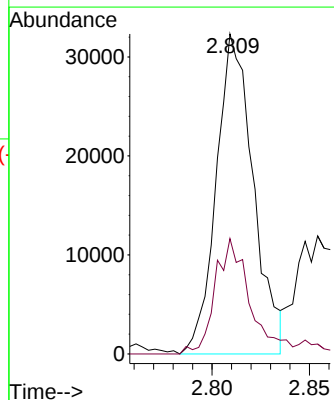
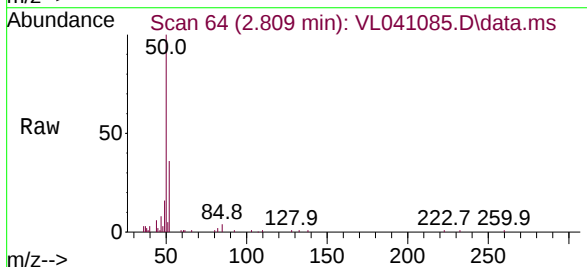
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

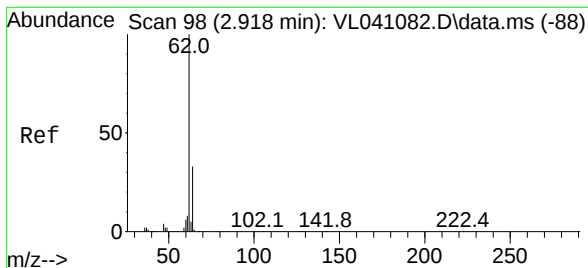
Tgt Ion: 51 Resp: 112247
Ion Ratio Lower Upper
51 100
67 19.8 14.5 21.7



#4
Chloromethane
Concen: 0.531 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion: 50 Resp: 42688
Ion Ratio Lower Upper
50 100
52 36.0 26.6 40.0

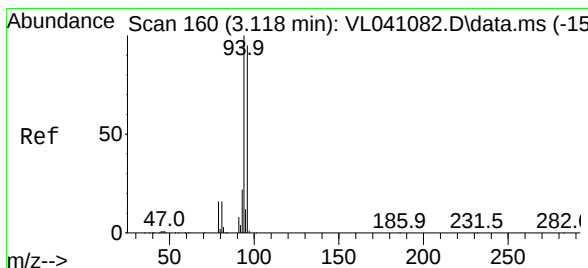
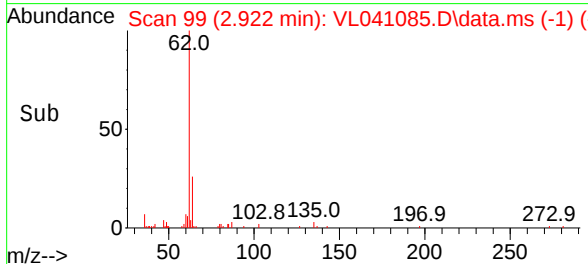
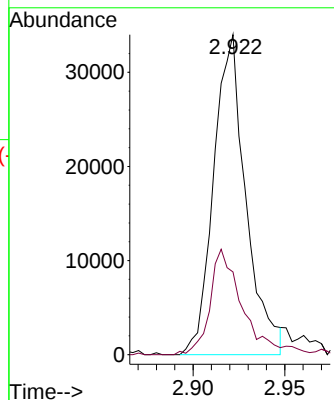
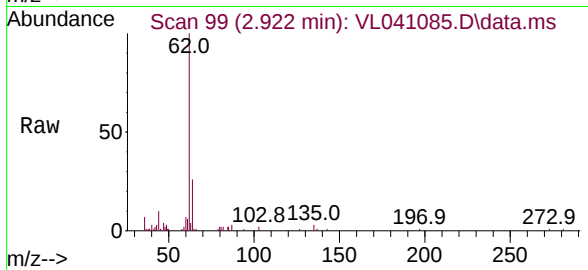




#5
 Vinyl Chloride
 Concen: 0.508 ppbv
 RT: 2.922 min Scan# 98
 Delta R.T. 0.003 min
 Lab File: VL041085.D
 Acq: 11 Mar 2024 13:00

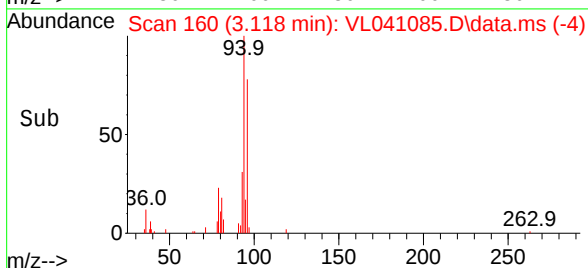
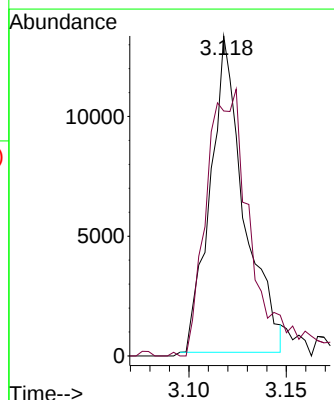
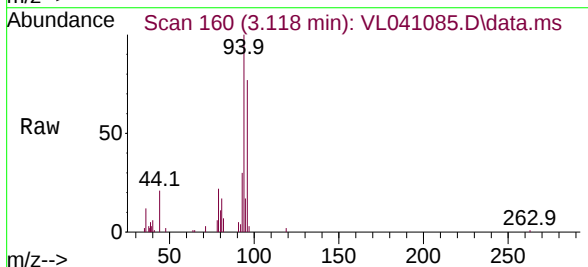
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

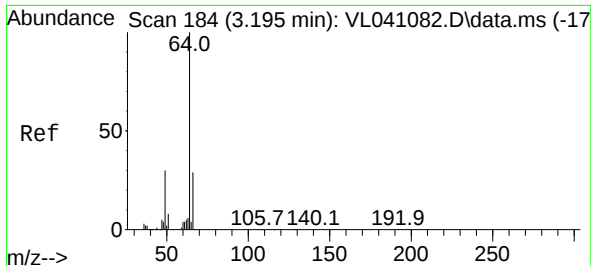
Tgt Ion: 62 Resp: 41556
 Ion Ratio Lower Upper
 62 100
 64 25.9 26.5 39.7#



#6
 Bromomethane
 Concen: 0.492 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. 0.000 min
 Lab File: VL041085.D
 Acq: 11 Mar 2024 13:00

Tgt Ion: 94 Resp: 15987
 Ion Ratio Lower Upper
 94 100
 96 77.5 76.0 114.0

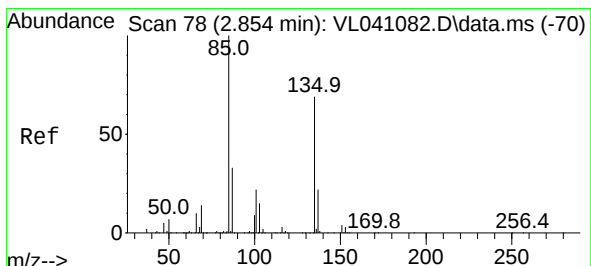
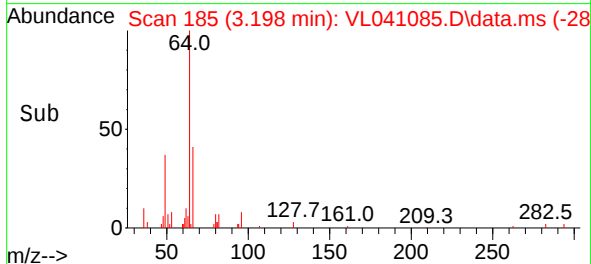
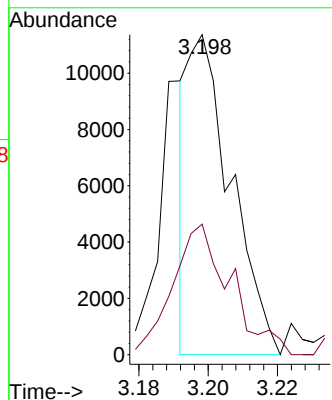
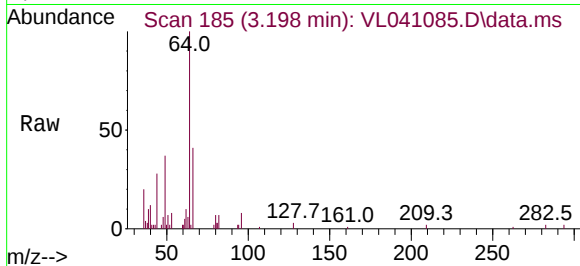




#7
Chloroethane
Concen: 0.341 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

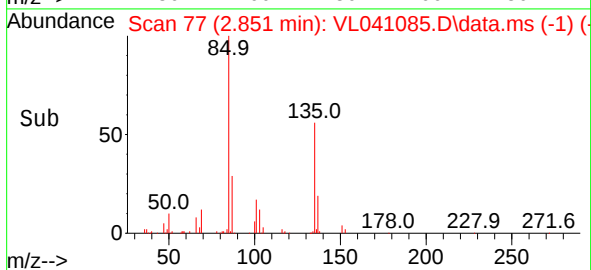
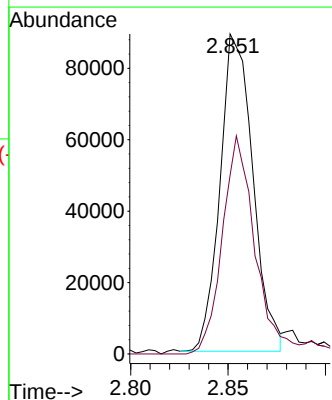
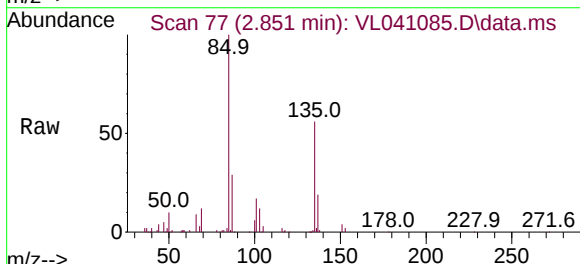
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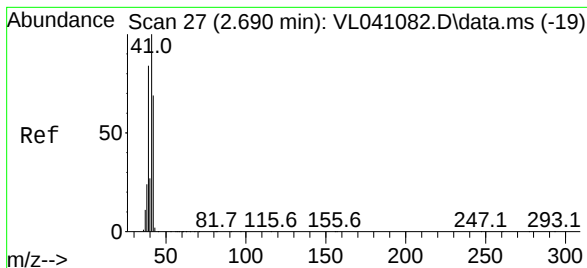
Tgt Ion: 64 Resp: 9827
Ion Ratio Lower Upper
64 100
66 39.9 23.2 34.8#



#8
Dichlorotetrafluoroethane
Concen: 0.521 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion: 85 Resp: 104327
Ion Ratio Lower Upper
85 100
135 72.6 56.7 85.1





#9

Propene

Concen: 0.501 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

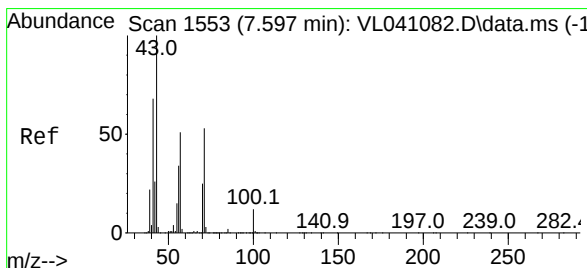
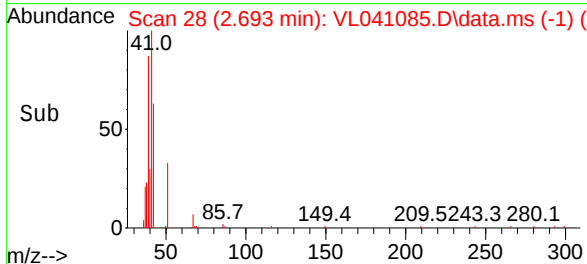
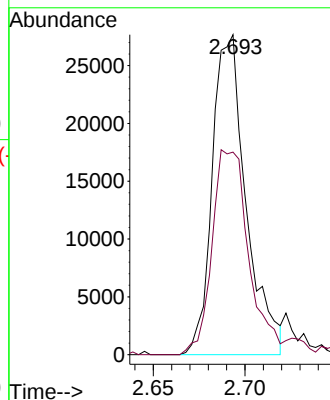
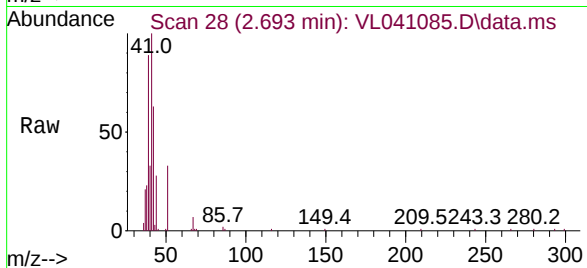
VSTDICC0.5

Tgt Ion: 41 Resp: 35473

Ion Ratio Lower Upper

41 100

42 75.2 55.9 83.9



#10

Heptane

Concen: 0.470 ppbv

RT: 7.590 min Scan# 1551

Delta R.T. -0.006 min

Lab File: VL041085.D

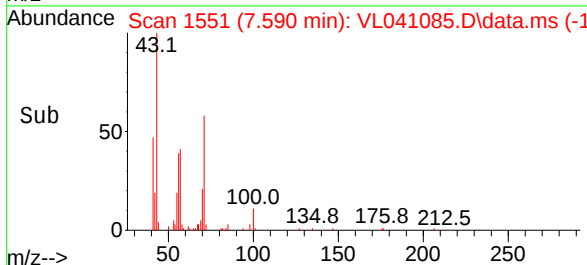
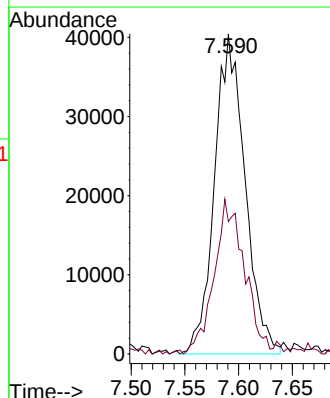
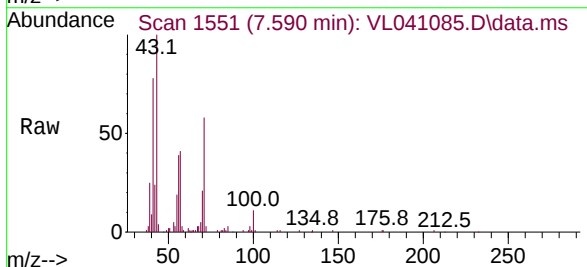
Acq: 11 Mar 2024 13:00

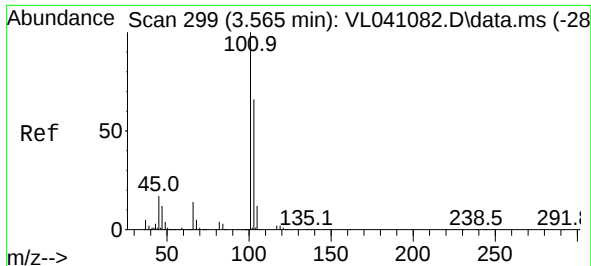
Tgt Ion: 43 Resp: 79593

Ion Ratio Lower Upper

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57 49.1 41.0 61.6

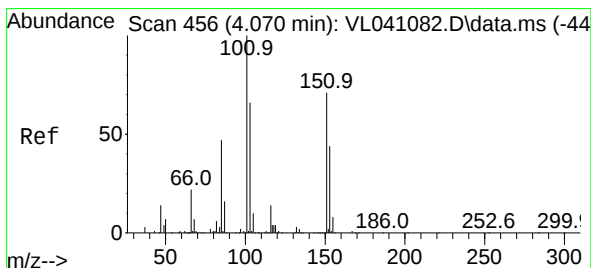
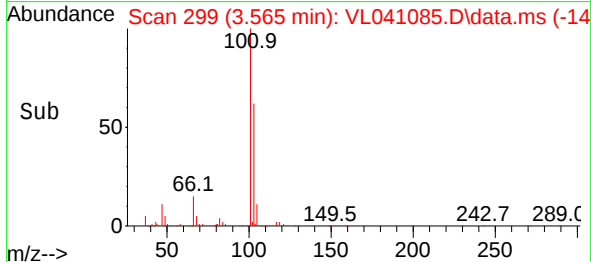
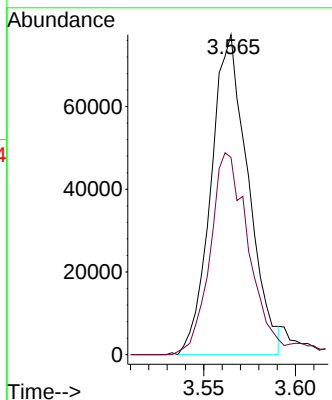
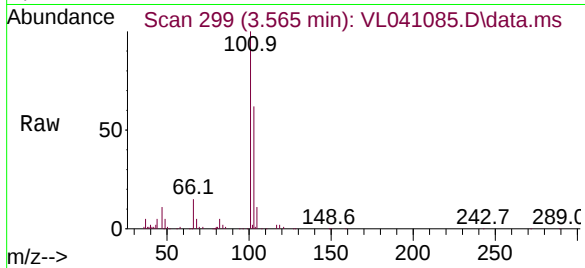




#11
 Trichlorofluoromethane
 Concen: 0.512 ppbv
 RT: 3.565 min Scan# 299
 Delta R.T. 0.000 min
 Lab File: VL041085.D
 Acq: 11 Mar 2024 13:00

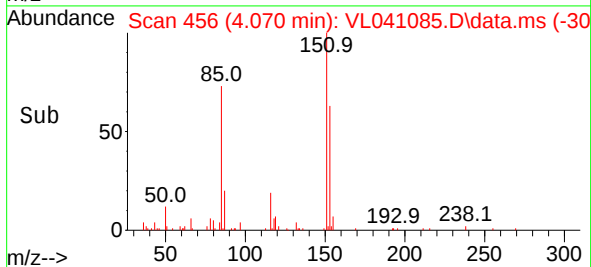
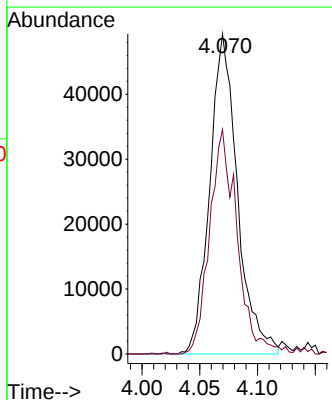
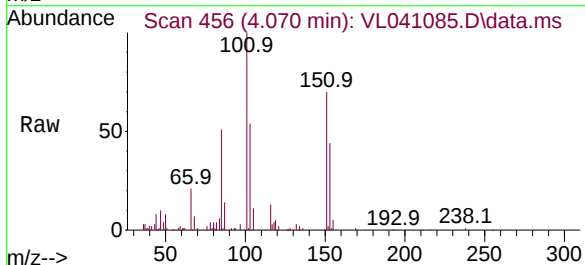
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

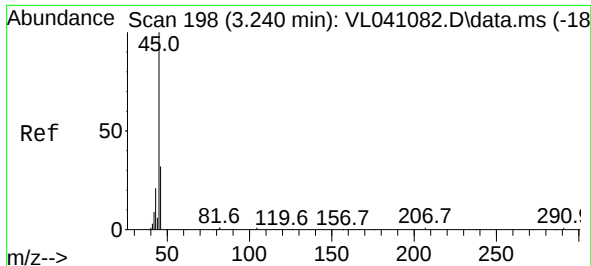
Tgt Ion:101 Resp: 108833
 Ion Ratio Lower Upper
 101 100
 103 60.7 53.0 79.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.527 ppbv
 RT: 4.070 min Scan# 456
 Delta R.T. 0.000 min
 Lab File: VL041085.D
 Acq: 11 Mar 2024 13:00

Tgt Ion:101 Resp: 82415
 Ion Ratio Lower Upper
 101 100
 151 69.8 55.8 83.8





#13

Ethanol

Concen: 0.028 ppbv

RT: 3.240 min Scan# 198

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

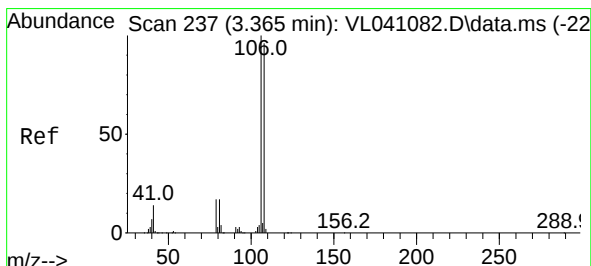
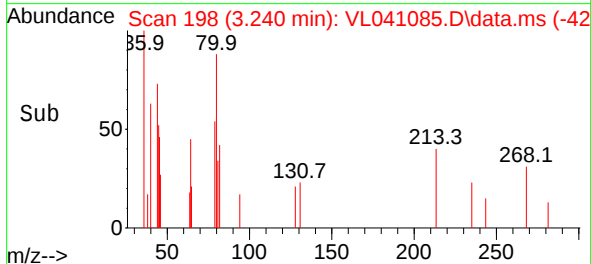
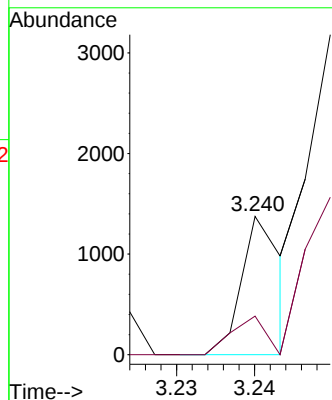
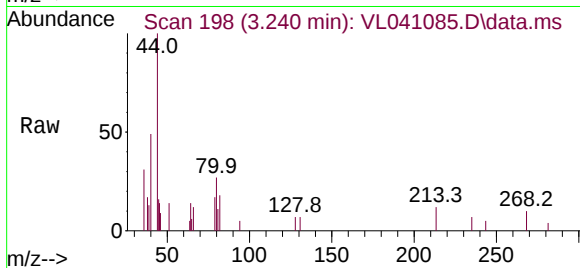
VSTDIC0.5

Tgt Ion: 45 Resp: 496

Ion Ratio Lower Upper

45 100

46 0.0 14.6 58.2#



#14

Bromoethene

Concen: 0.505 ppbv

RT: 3.365 min Scan# 237

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

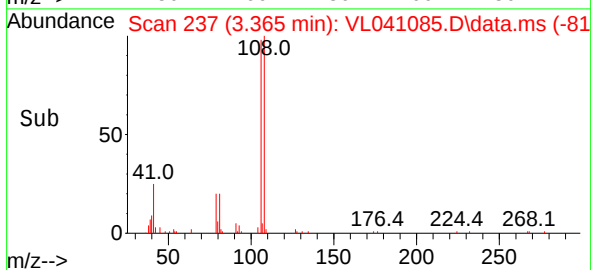
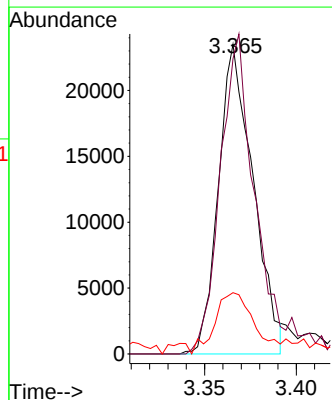
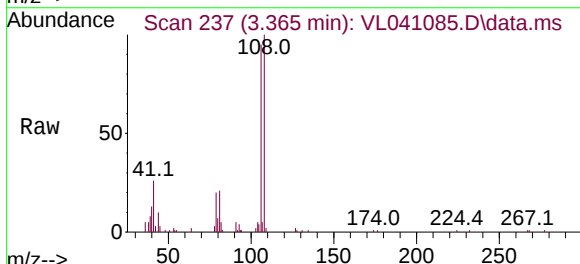
Tgt Ion: 108 Resp: 30791

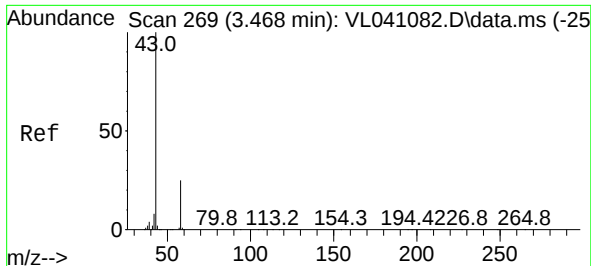
Ion Ratio Lower Upper

108 100

106 114.7 88.1 132.1

79 28.7 15.6 23.4#





#15

Acetone

Concen: 0.558 ppbv

RT: 3.484 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

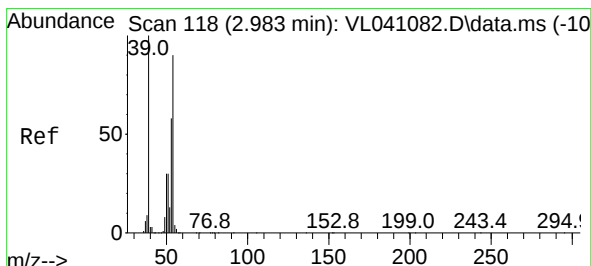
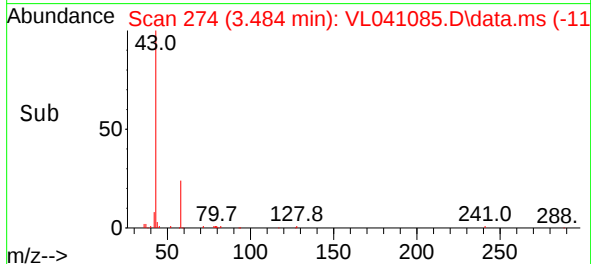
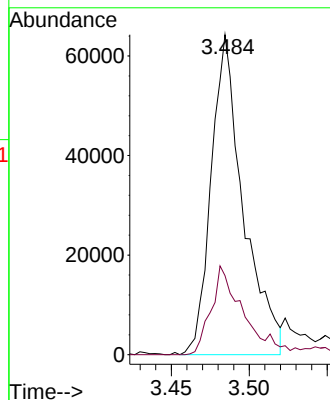
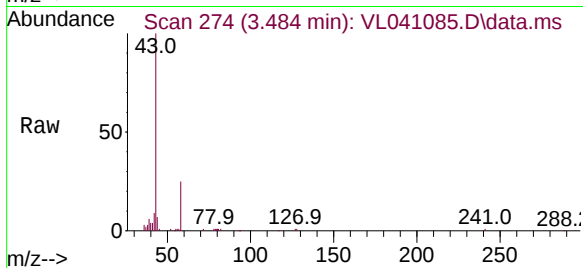
VSTDIC0.5

Tgt Ion: 43 Resp: 92027

Ion Ratio Lower Upper

43 100

58 28.4 21.7 32.5



#16

1,3-Butadiene

Concen: 0.466 ppbv

RT: 2.983 min Scan# 118

Delta R.T. 0.000 min

Lab File: VL041085.D

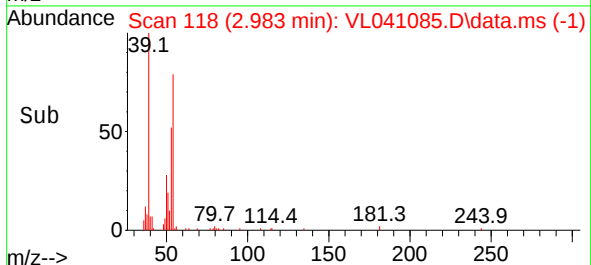
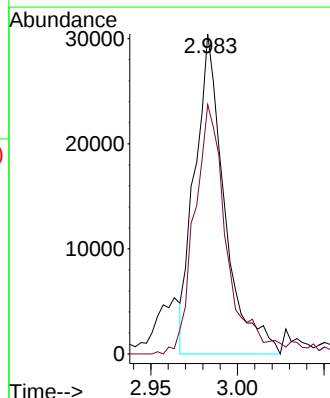
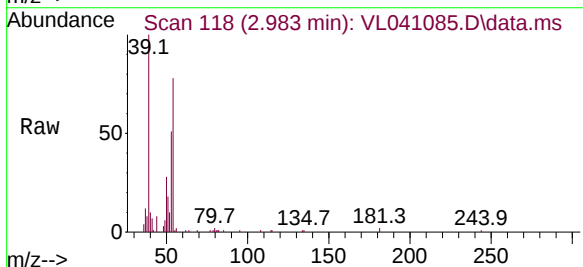
Acq: 11 Mar 2024 13:00

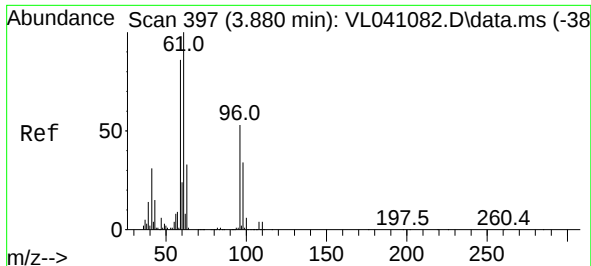
Tgt Ion: 39 Resp: 36200

Ion Ratio Lower Upper

39 100

54 87.7 64.0 96.0





#17

tert-Butyl alcohol

Concen: 0.509 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.019 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

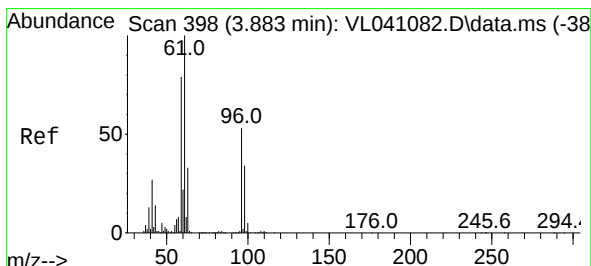
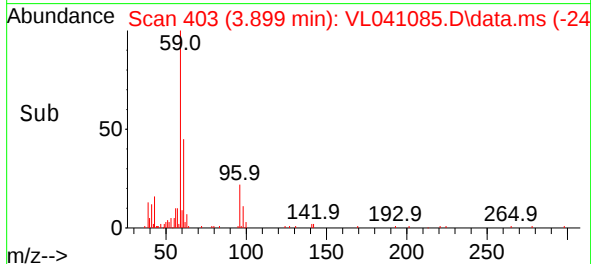
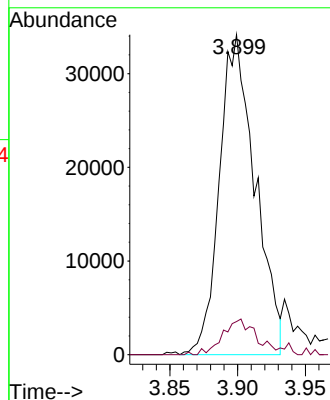
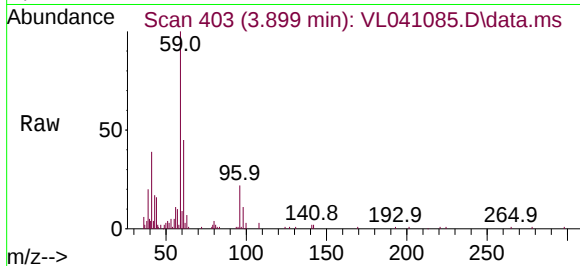
VSTDICC0.5

Tgt Ion: 59 Resp: 62399

Ion Ratio Lower Upper

59 100

57 11.6 9.0 13.6



#18

1,1-Dichloroethene

Concen: 0.522 ppbv

RT: 3.880 min Scan# 397

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

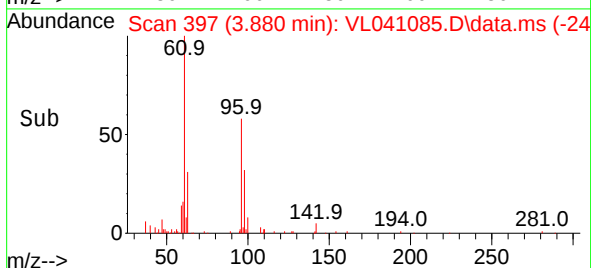
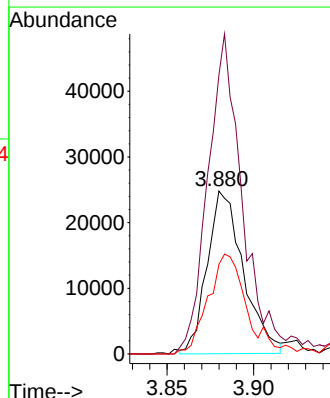
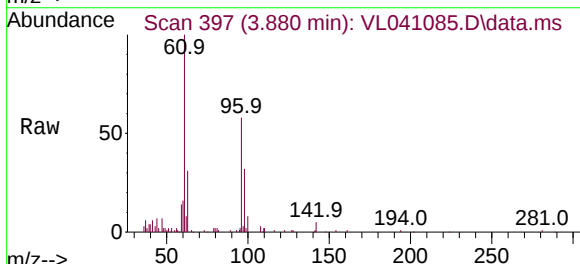
Tgt Ion: 96 Resp: 35916

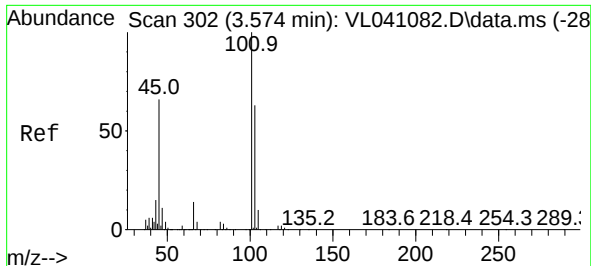
Ion Ratio Lower Upper

96 100

61 171.0 150.2 225.2

98 53.8 50.7 76.1





#19

Isopropyl Alcohol

Concen: 0.517 ppbv

RT: 3.594 min Scan# 302

Delta R.T. 0.019 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

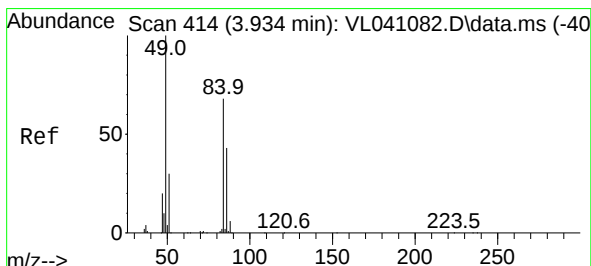
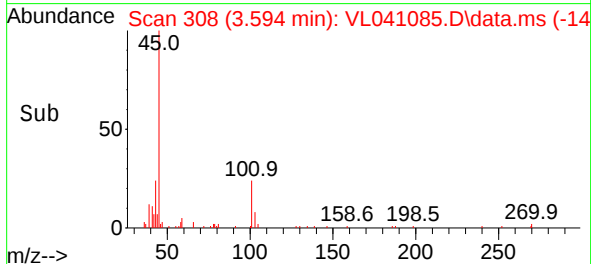
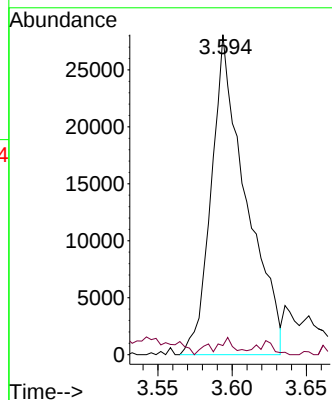
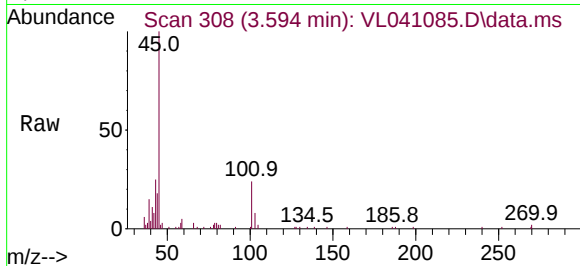
VSTDICC0.5

Tgt Ion: 45 Resp: 45571

Ion Ratio Lower Upper

45 100

58 2.8 2.2 3.4



#20

Methylene Chloride

Concen: 0.614 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.007 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Tgt Ion: 84 Resp: 39444

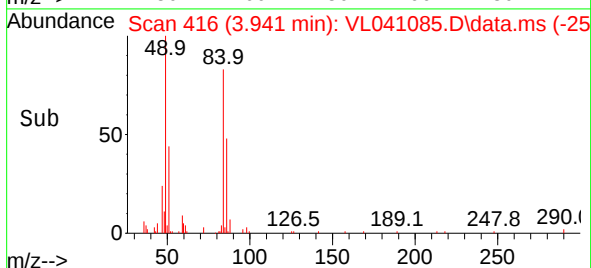
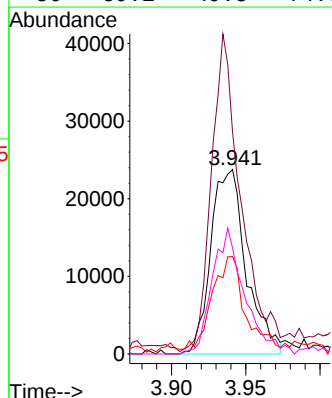
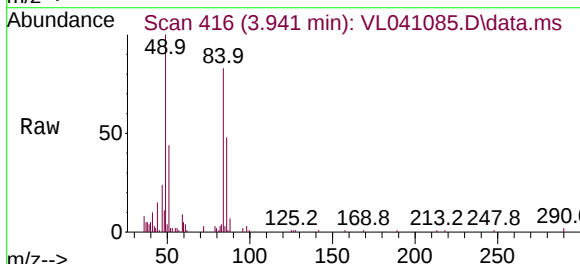
Ion Ratio Lower Upper

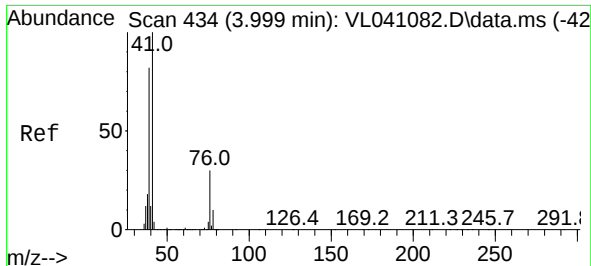
84 100

49 119.3 117.0 175.6

51 50.3 34.9 52.3

86 59.1 49.8 74.6





#21

Allyl Chloride

Concen: 0.523 ppbv

RT: 4.002 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

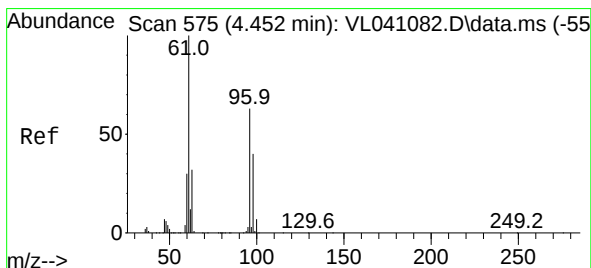
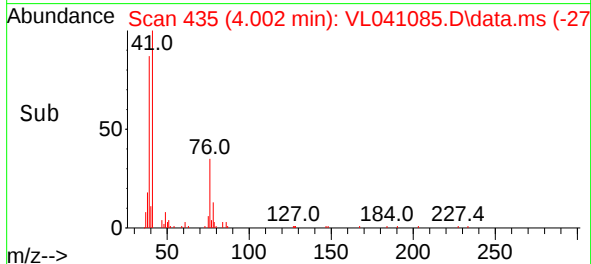
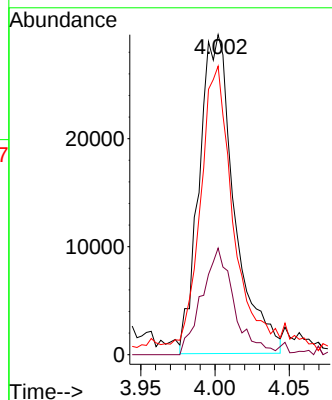
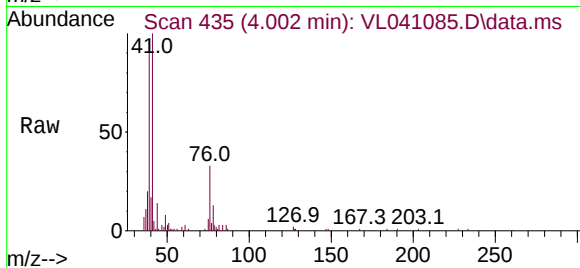
Tgt Ion: 41 Resp: 48715

Ion Ratio Lower Upper

41 100

76 32.2 25.5 38.3

39 89.6 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 0.404 ppbv

RT: 4.452 min Scan# 575

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

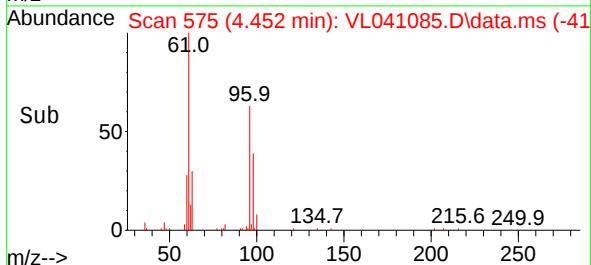
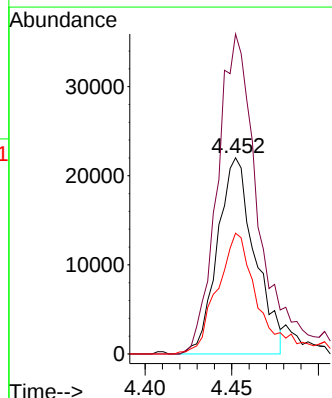
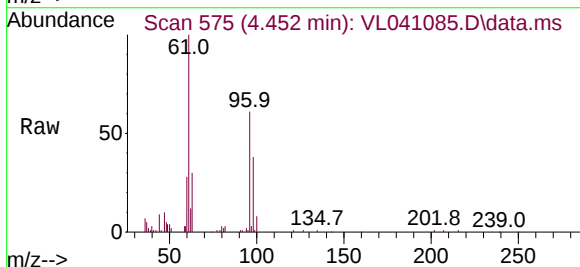
Tgt Ion: 96 Resp: 33083

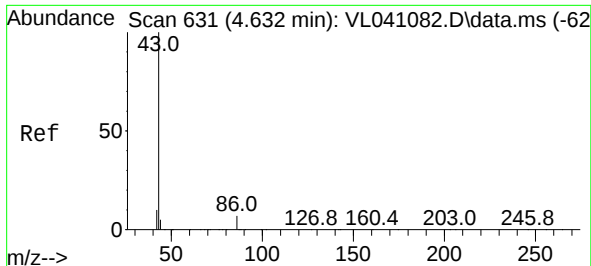
Ion Ratio Lower Upper

96 100

61 163.1 126.7 190.1

98 61.6 50.1 75.1

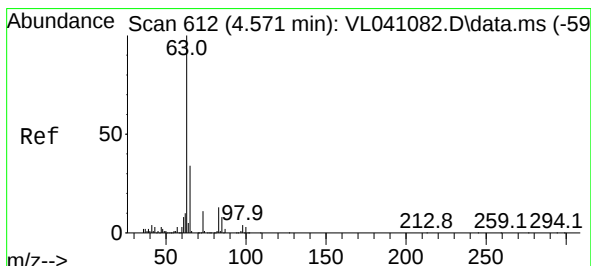
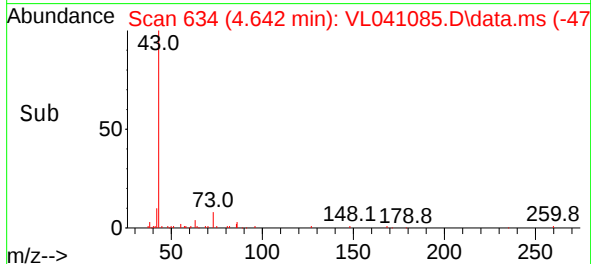
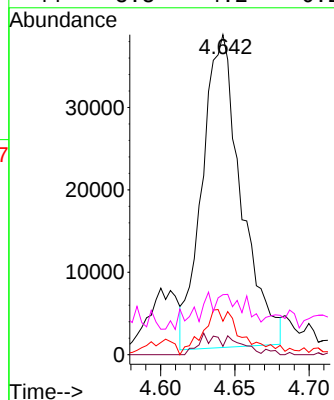
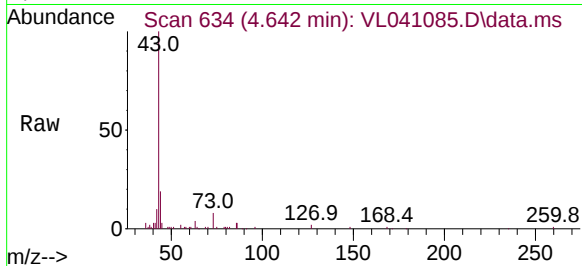




#23
 Vinyl Acetate
 Concen: 0.378 ppbv
 RT: 4.642 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL041085.D
 Acq: 11 Mar 2024 13:00

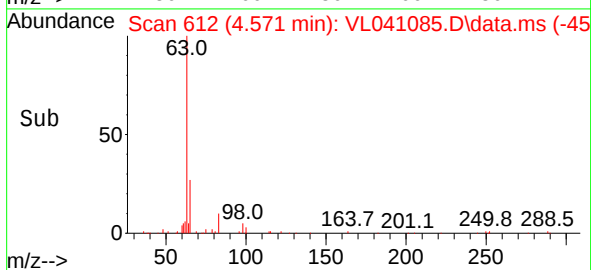
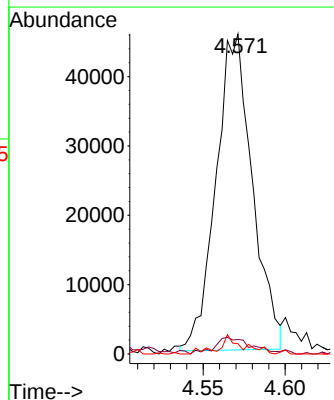
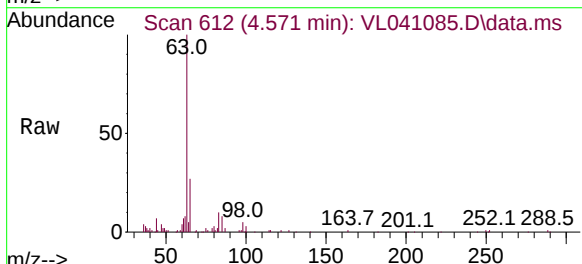
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

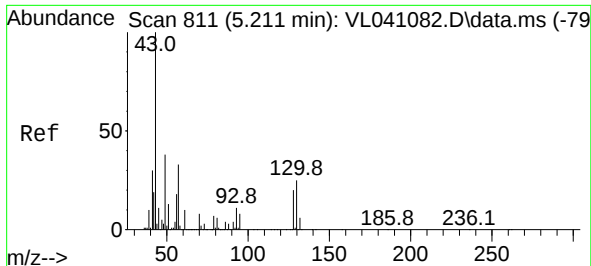
Tgt Ion:	43	Resp:	69155
Ion Ratio	Lower	Upper	
43	100		
86	3.0	5.4	8.2#
42	11.8	8.0	12.0
44	8.3	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.417 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL041085.D
 Acq: 11 Mar 2024 13:00

Tgt Ion:	63	Resp:	70290
Ion Ratio	Lower	Upper	
63	100		
98	3.9	2.1	6.5
100	3.3	1.4	4.2





#25

Ethyl Acetate

Concen: 0.476 ppbv

RT: 5.221 min Scan# 811

Delta R.T. 0.010 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 43 Resp: 141461

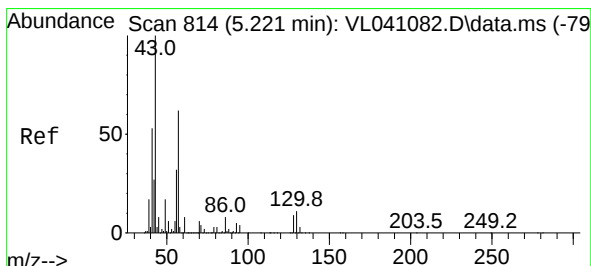
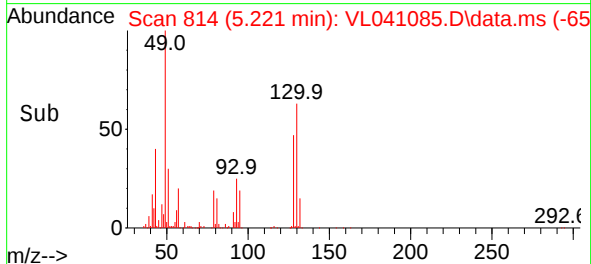
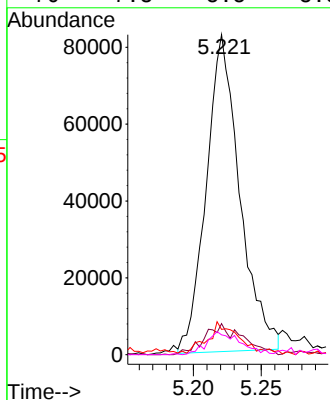
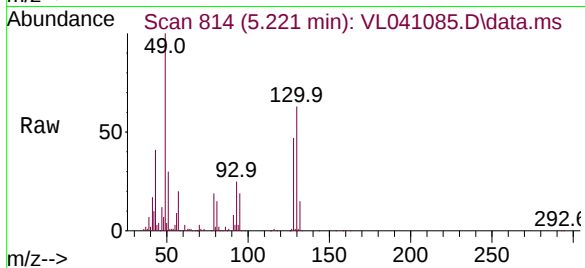
Ion Ratio Lower Upper

43 100

45 12.3 8.2 12.2#

61 10.4 8.2 12.2

70 7.3 5.5 8.3



#26

Hexane

Concen: 0.276 ppbv

RT: 5.221 min Scan# 814

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Tgt Ion: 57 Resp: 36796

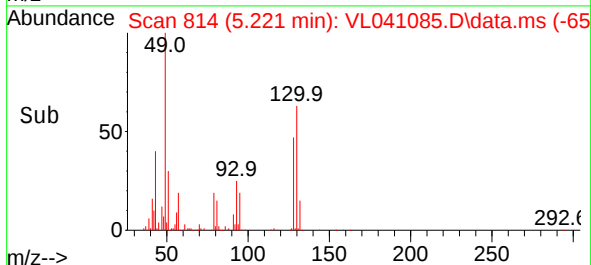
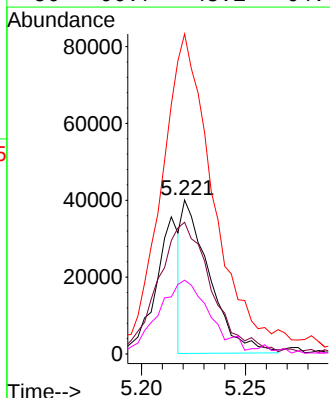
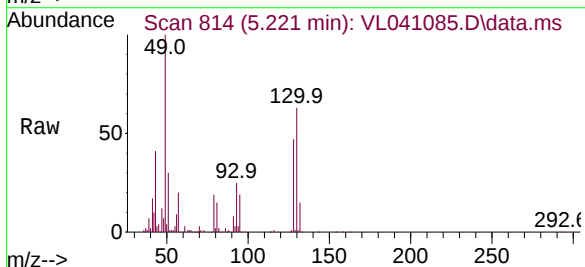
Ion Ratio Lower Upper

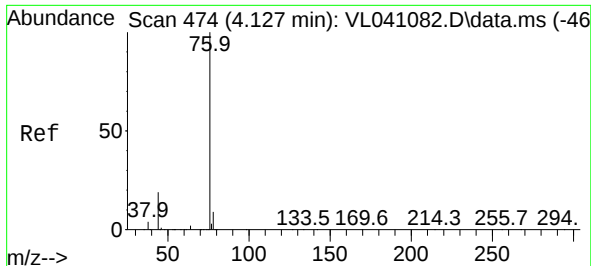
57 100

41 176.8 73.8 110.6#

43 433.0 184.2 276.2#

56 96.7 43.1 64.7#

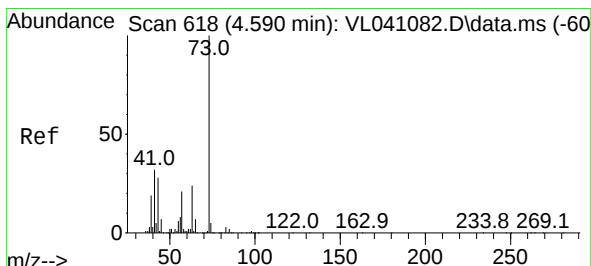
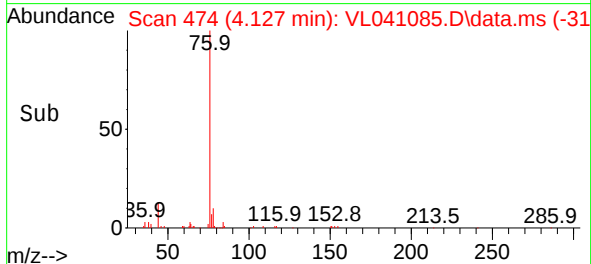
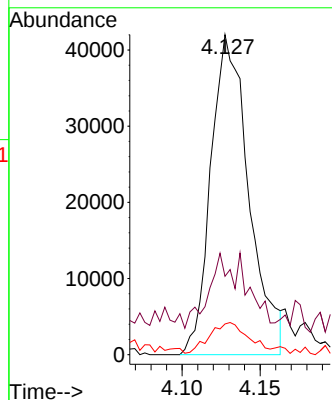
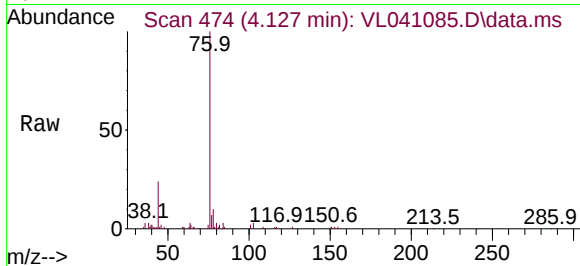




#27
Carbon Disulfide
Concen: 0.448 ppbv
RT: 4.127 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

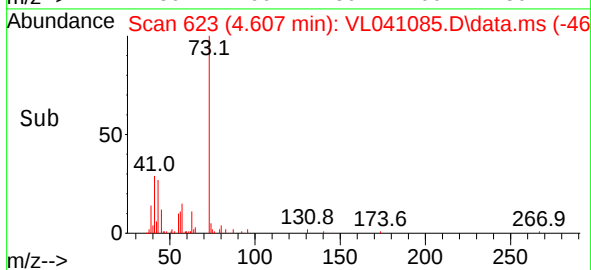
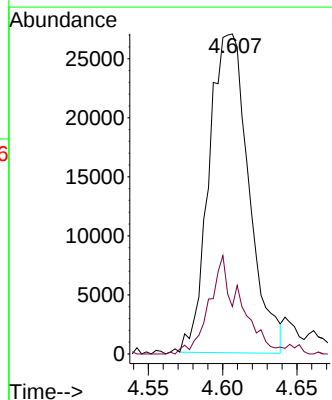
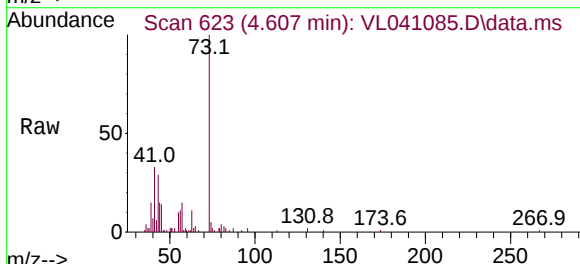
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

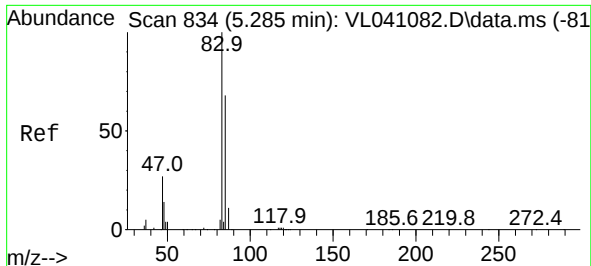
Tgt Ion: 76 Resp: 71306
Ion Ratio Lower Upper
76 100
44 25.6 16.0 24.0#
78 12.6 7.5 11.3#



#28
Methyl tert-Butyl Ether
Concen: 0.430 ppbv
RT: 4.607 min Scan# 623
Delta R.T. 0.016 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion: 73 Resp: 50447
Ion Ratio Lower Upper
73 100
57 25.3 18.2 27.4





#29

Chloroform

Concen: 0.476 ppbv

RT: 5.279 min Scan# 84

Delta R.T. -0.006 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

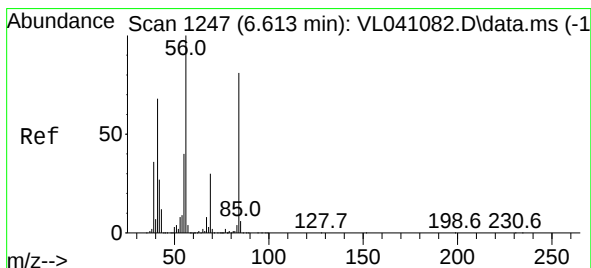
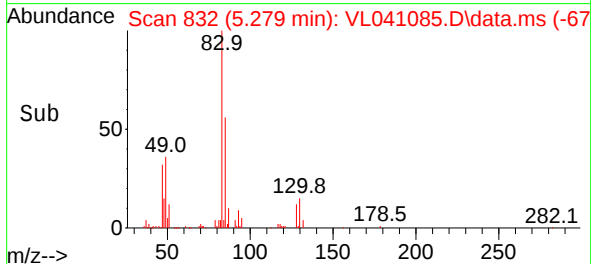
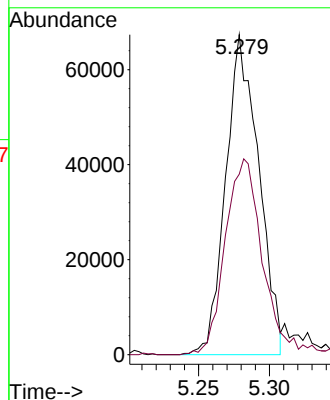
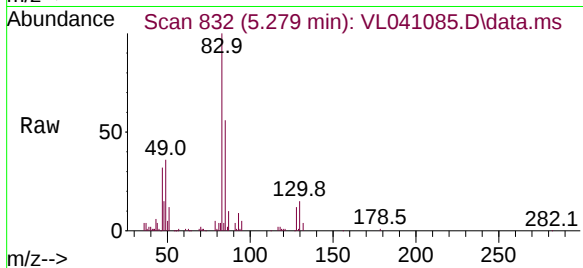
VSTDIC0.5

Tgt Ion: 83 Resp: 109139

Ion Ratio Lower Upper

83 100

85 56.4 54.6 82.0



#30

Cyclohexane

Concen: 0.285 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

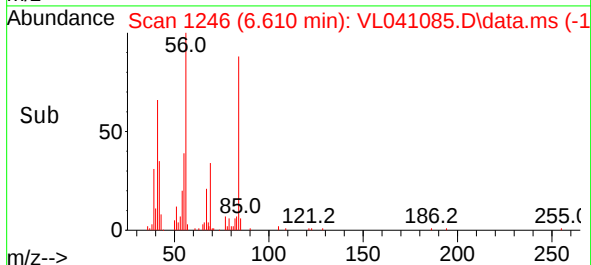
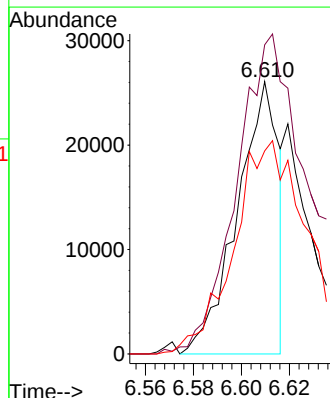
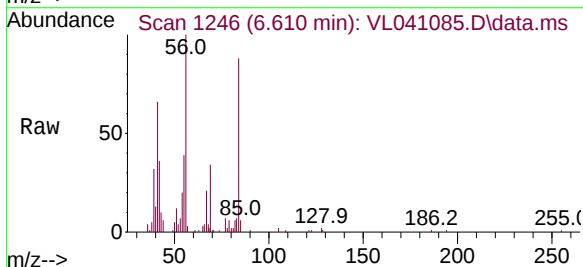
Tgt Ion: 84 Resp: 31109

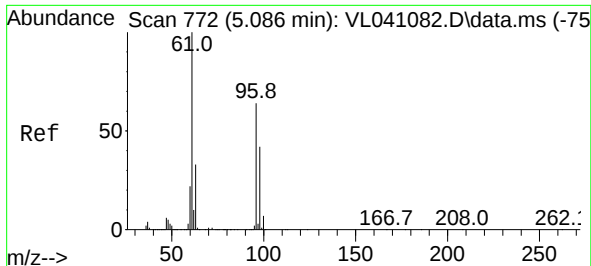
Ion Ratio Lower Upper

84 100

56 197.1 110.4 165.6#

41 145.0 70.6 105.8#





#31

cis-1,2-Dichloroethene

Concen: 0.449 ppbv

RT: 5.082 min Scan# 771

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

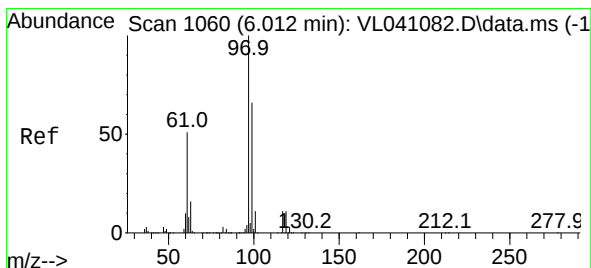
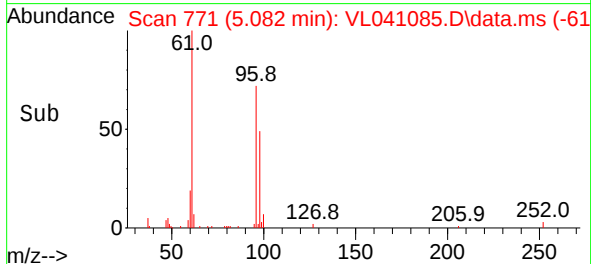
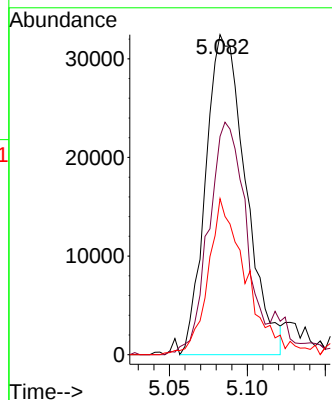
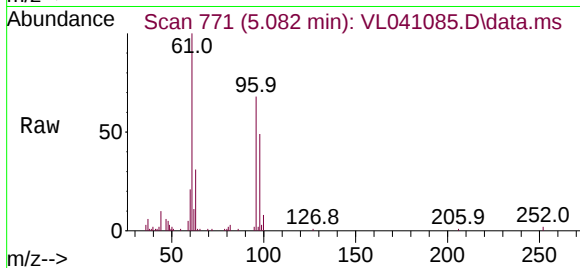
Tgt Ion: 61 Resp: 57894

Ion Ratio Lower Upper

61 100

96 65.7 51.2 76.8

98 47.4 33.4 50.0



#32

1,1,1-Trichloroethane

Concen: 0.490 ppbv

RT: 6.012 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

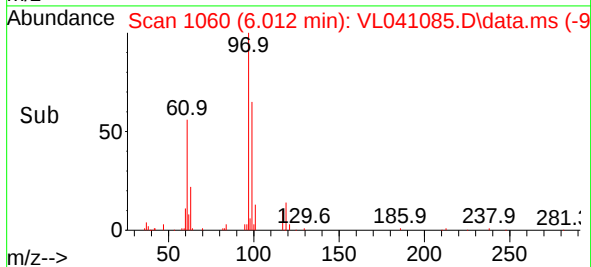
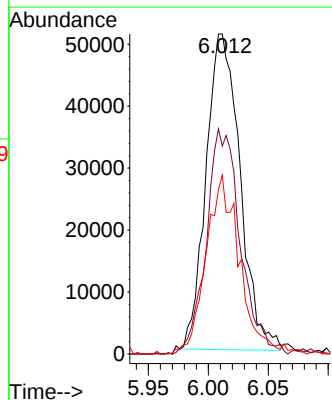
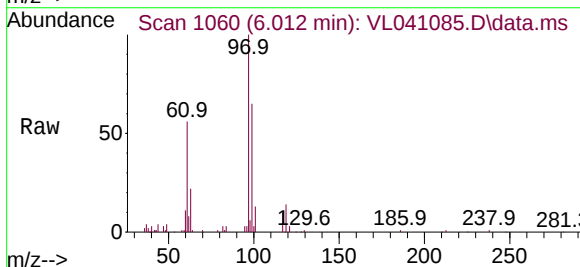
Tgt Ion: 97 Resp: 100532

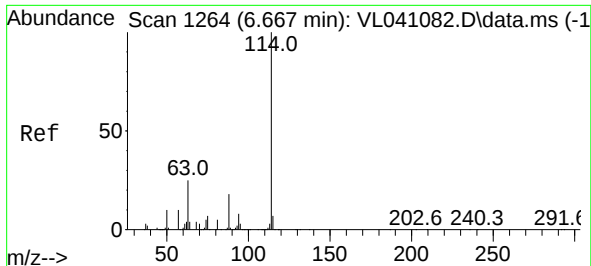
Ion Ratio Lower Upper

97 100

99 72.0 52.4 78.6

61 56.1 40.4 60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

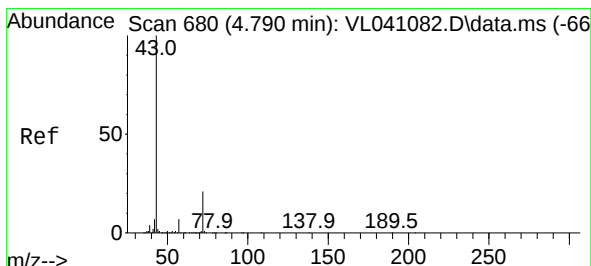
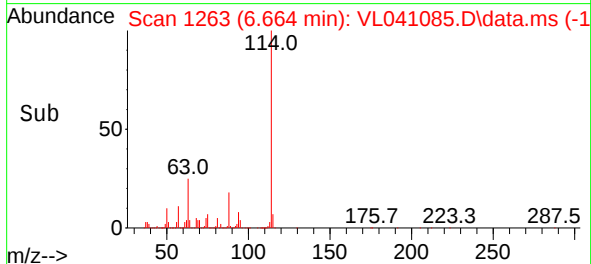
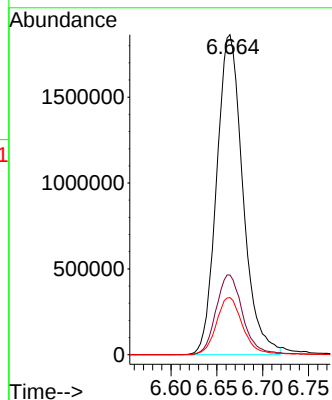
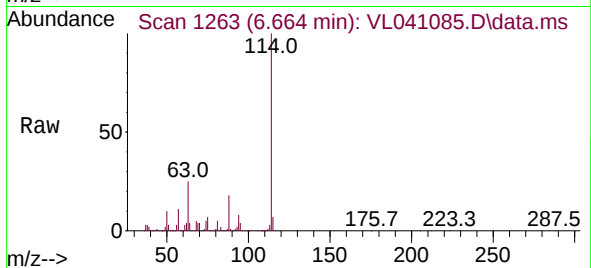
Tgt Ion:114 Resp: 3708598

Ion Ratio Lower Upper

114 100

63 25.7 21.0 31.6

88 18.1 14.6 22.0



#34

2-Butanone

Concen: 0.420 ppbv

RT: 4.799 min Scan# 683

Delta R.T. 0.010 min

Lab File: VL041085.D

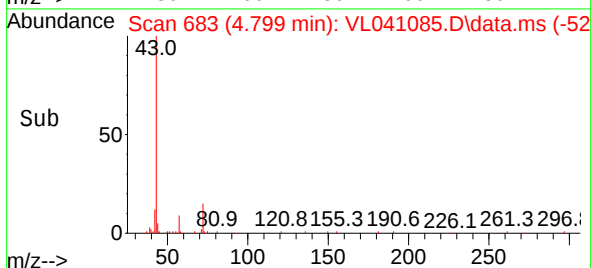
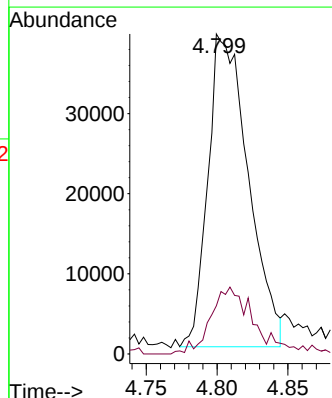
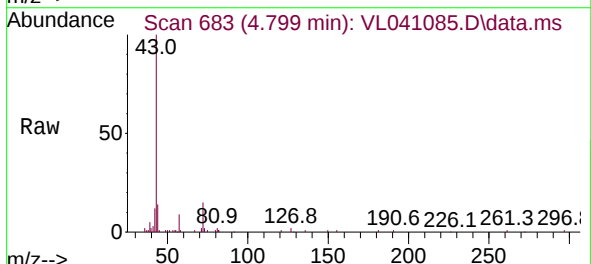
Acq: 11 Mar 2024 13:00

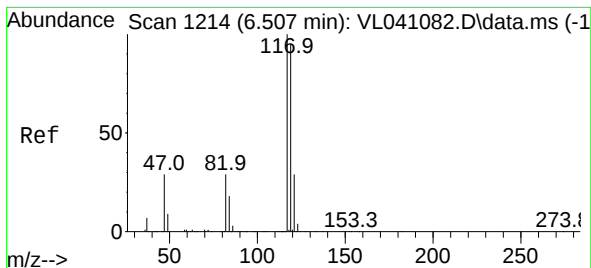
Tgt Ion: 43 Resp: 77292

Ion Ratio Lower Upper

43 100

72 24.4 17.4 26.0





#35

Carbon Tetrachloride

Concen: 0.259 ppbv

RT: 6.500 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

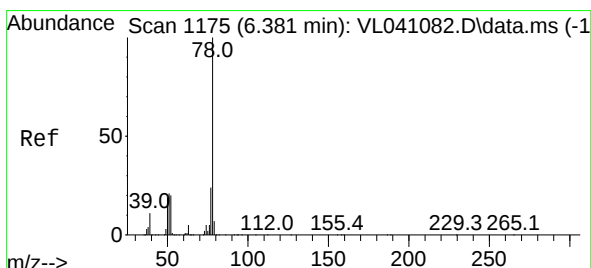
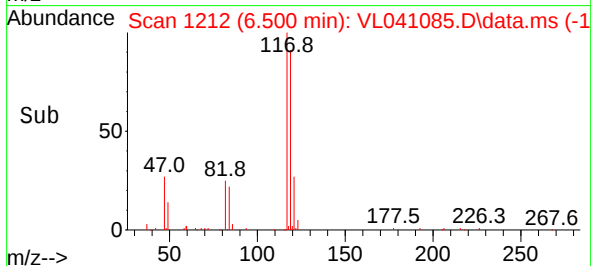
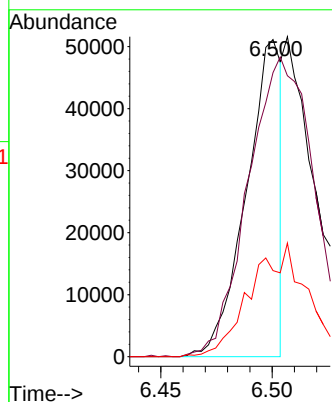
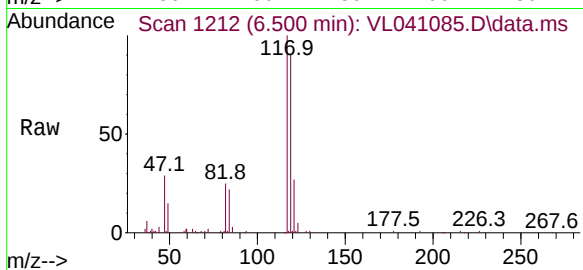
Tgt Ion:117 Resp: 55942

Ion Ratio Lower Upper

117 100

119 88.3 75.6 113.4

121 26.8 23.4 35.2



#36

Benzene

Concen: 0.480 ppbv

RT: 6.375 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

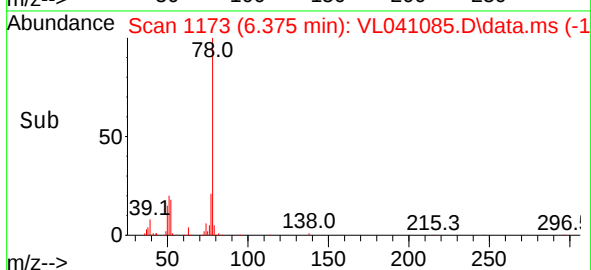
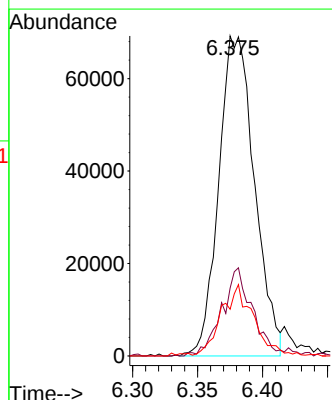
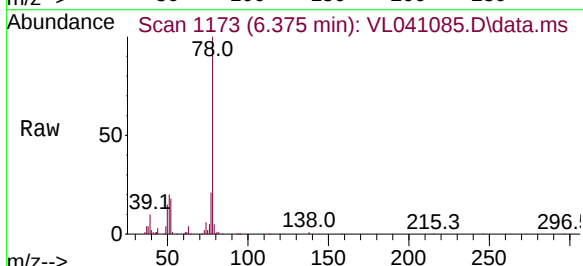
Tgt Ion: 78 Resp: 132588

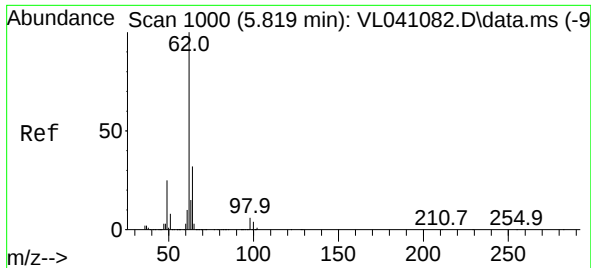
Ion Ratio Lower Upper

78 100

77 21.3 18.8 28.2

50 14.0 15.5 23.3#

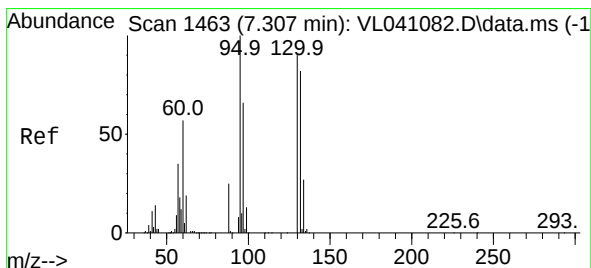
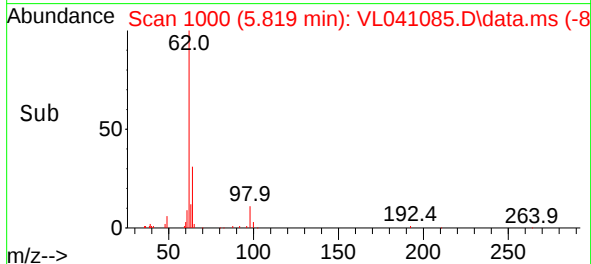
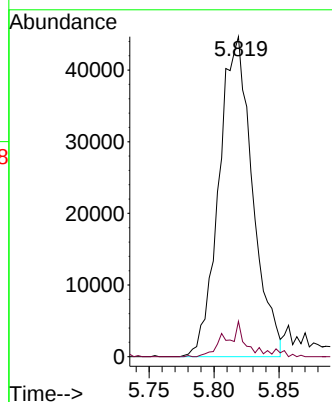
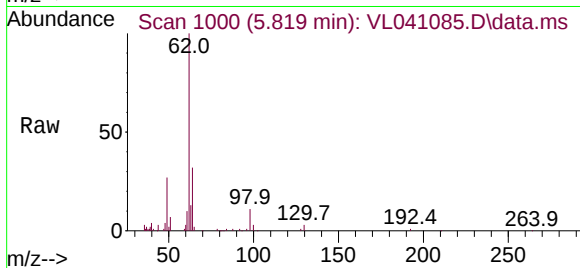




#37
1,2-Dichloroethane
Concen: 0.483 ppbv
RT: 5.819 min Scan# 1000
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

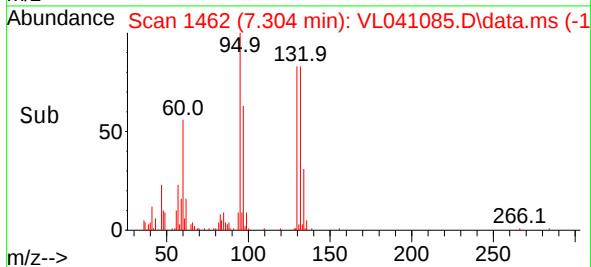
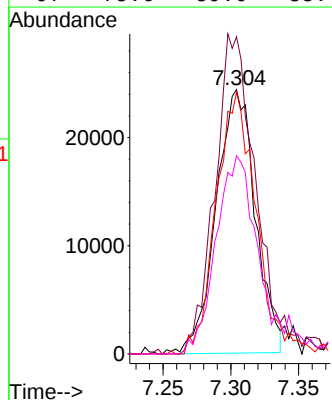
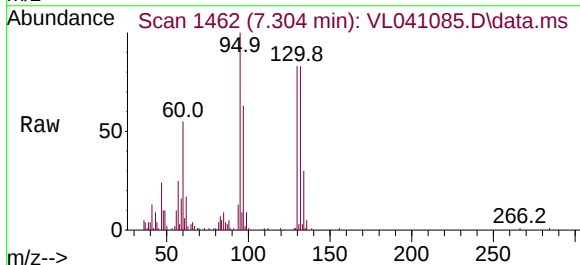
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

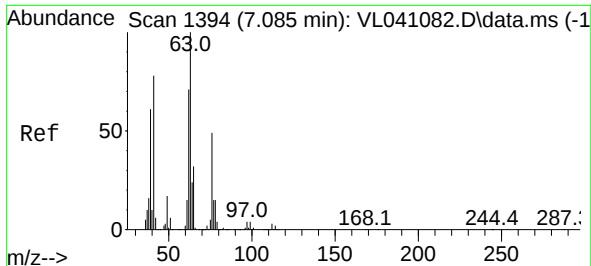
Tgt Ion: 62 Resp: 80242
Ion Ratio Lower Upper
62 100
98 7.3 4.6 6.8#



#38
Trichloroethene
Concen: 0.474 ppbv
RT: 7.304 min Scan# 1462
Delta R.T. -0.003 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion:130 Resp: 48804
Ion Ratio Lower Upper
130 100
95 120.9 88.8 133.2
132 99.8 73.0 109.4
97 75.6 59.0 88.4





#39

1,2-Dichloropropane

Concen: 0.455 ppbv

RT: 7.082 min Scan# 1394

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

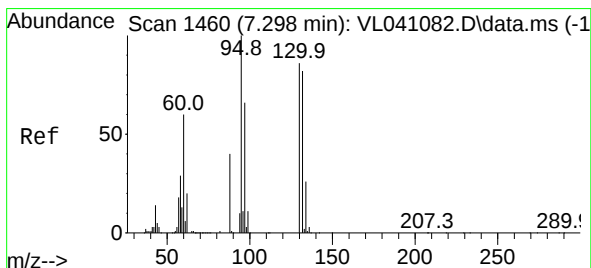
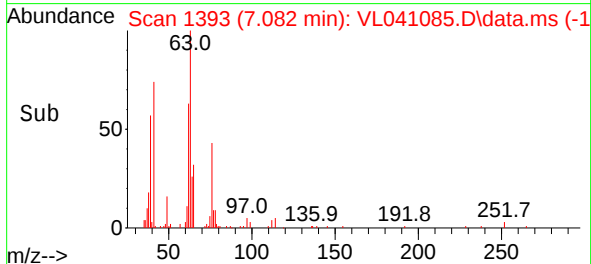
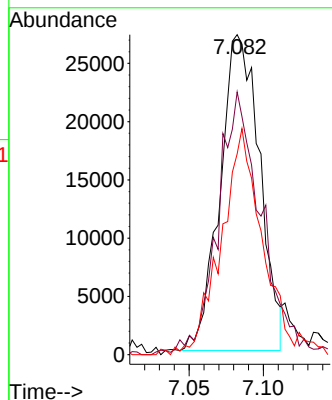
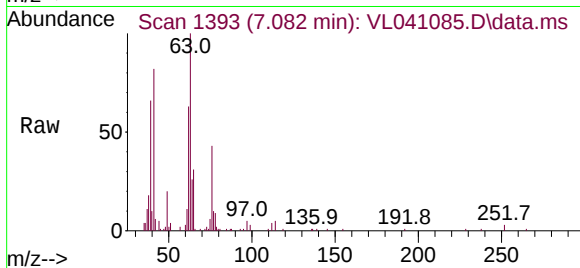
Tgt Ion: 63 Resp: 50241

Ion Ratio Lower Upper

63 100

41 78.4 62.2 93.4

62 62.4 57.0 85.4



#40

1,4-Dioxane

Concen: 0.016 ppbv

RT: 7.304 min Scan# 1462

Delta R.T. 0.007 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Tgt Ion: 88 Resp: 685

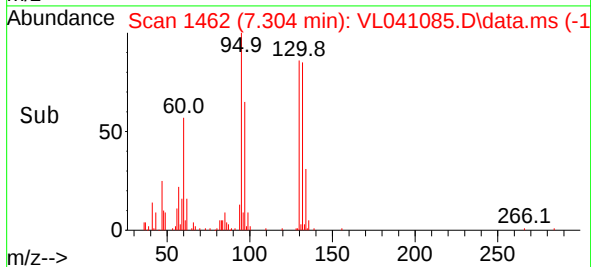
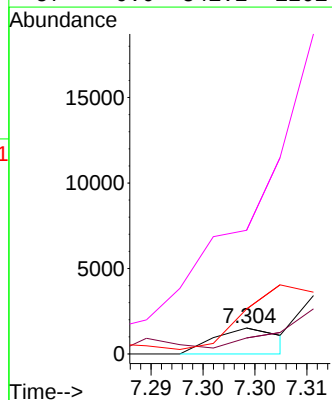
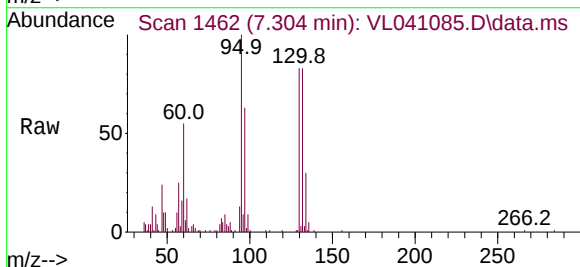
Ion Ratio Lower Upper

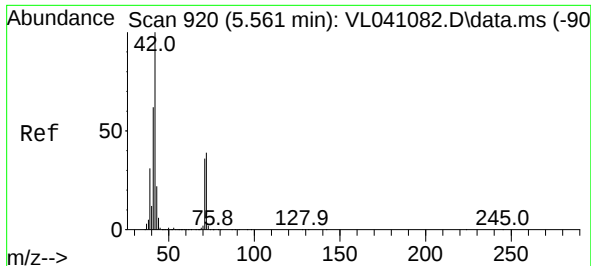
88 100

58 0.0 96.3 144.5#

43 0.0 195.7 293.5#

57 0.0 841.2 1261.8#





#41

Tetrahydrofuran

Concen: 0.433 ppbv

RT: 5.590 min Scan# 91

Delta R.T. 0.029 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

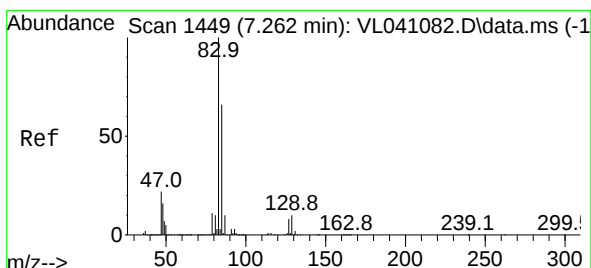
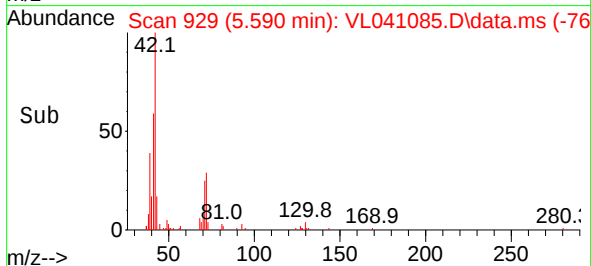
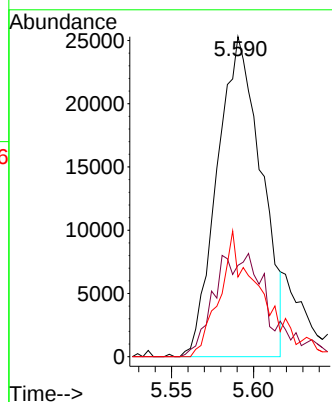
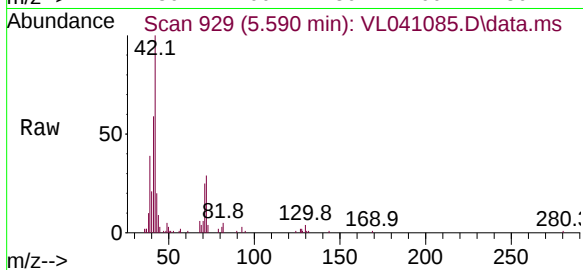
Tgt Ion: 42 Resp: 47293

Ion Ratio Lower Upper

42 100

72 42.2 30.7 46.1

71 39.2 29.6 44.4



#42

Bromodichloromethane

Concen: 0.463 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

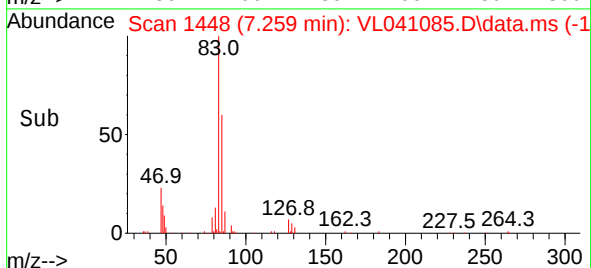
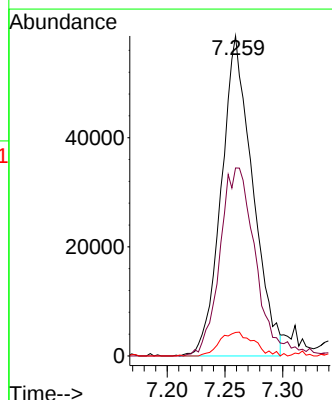
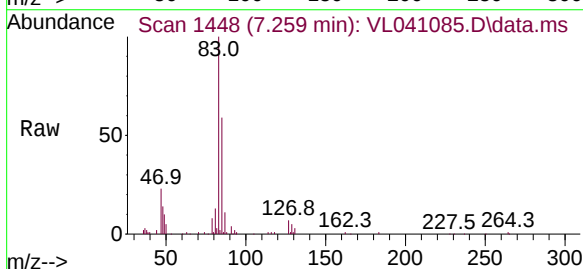
Tgt Ion: 83 Resp: 110283

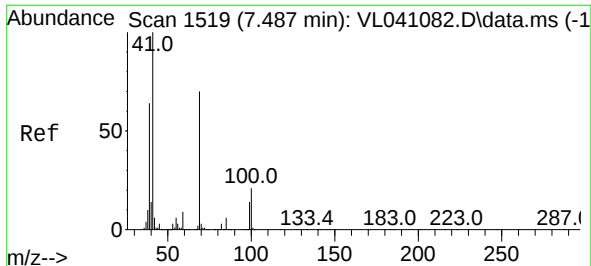
Ion Ratio Lower Upper

83 100

85 58.8 53.1 79.7

127 7.3 6.2 9.4





#43

Methyl Methacrylate

Concen: 0.282 ppbv

RT: 7.494 min Scan# 1521

Delta R.T. 0.007 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

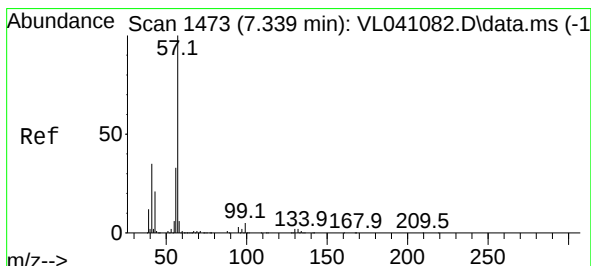
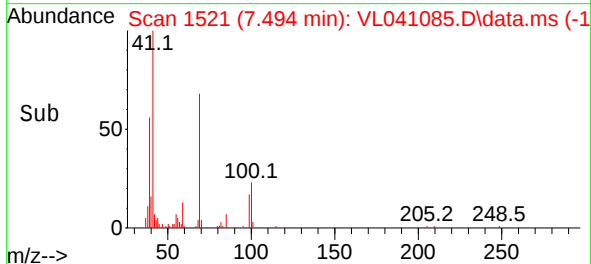
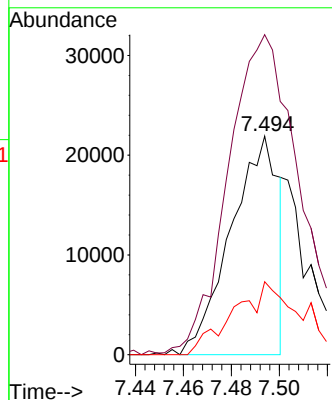
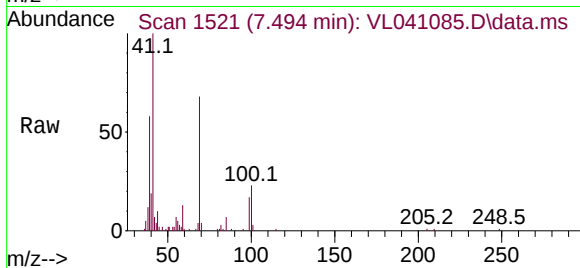
Tgt Ion: 69 Resp: 30109

Ion Ratio Lower Upper

69 100

41 229.6 118.2 177.4#

100 50.1 24.8 37.2#



#44

2,2,4-Trimethylpentane

Concen: 0.285 ppbv

RT: 7.343 min Scan# 1474

Delta R.T. 0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

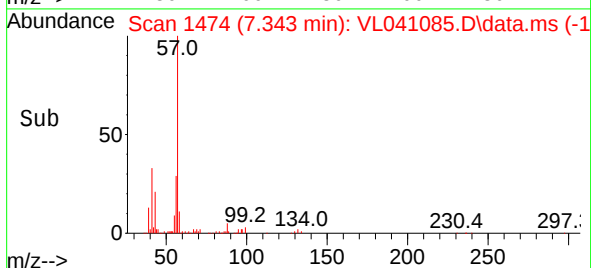
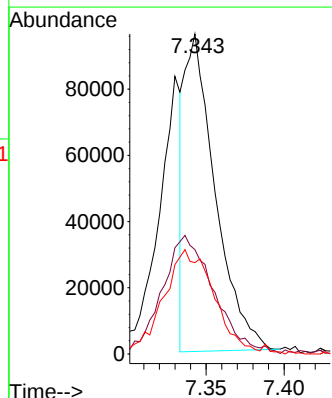
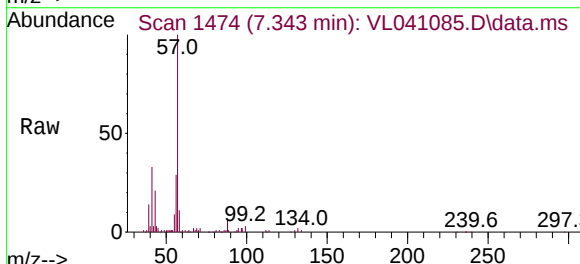
Tgt Ion: 57 Resp: 131415

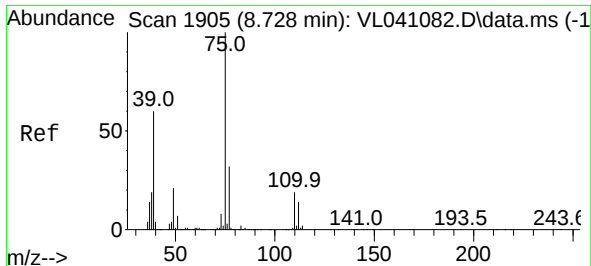
Ion Ratio Lower Upper

57 100

41 64.1 28.0 42.0#

56 55.3 25.7 38.5#





#45

t-1,3-Dichloropropene

Concen: 0.175 ppbv

RT: 8.729 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

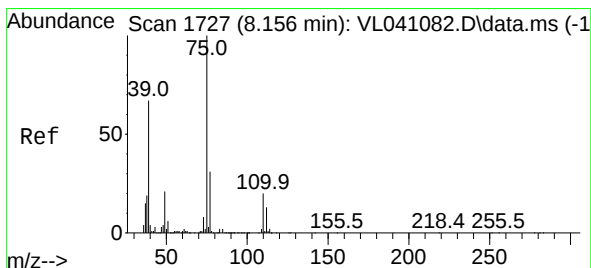
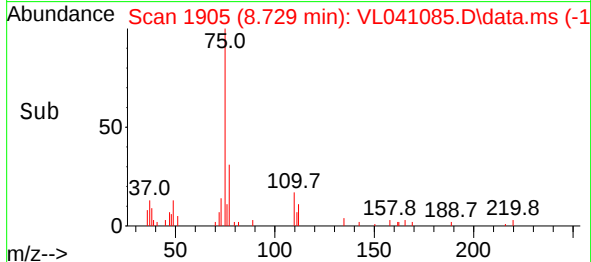
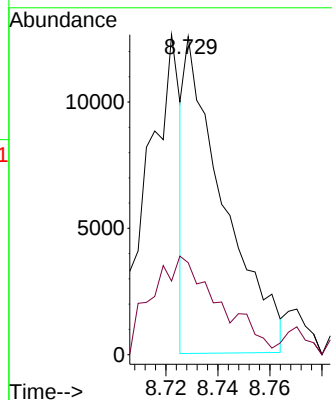
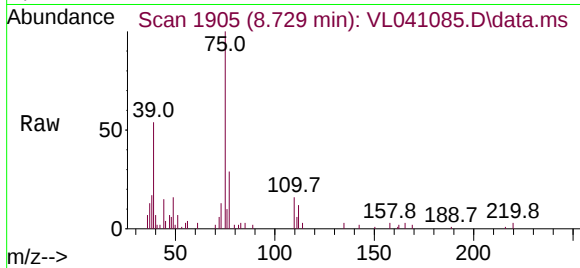
VSTDIC0.5

Tgt Ion: 75 Resp: 12940

Ion Ratio Lower Upper

75 100

77 28.9 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 0.203 ppbv

RT: 8.153 min Scan# 1726

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

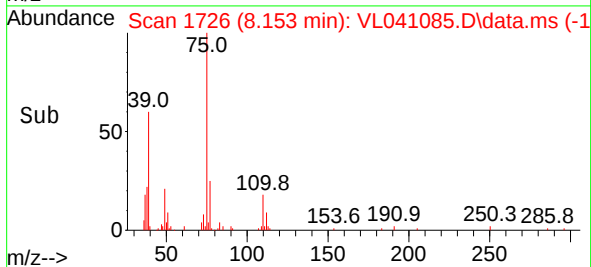
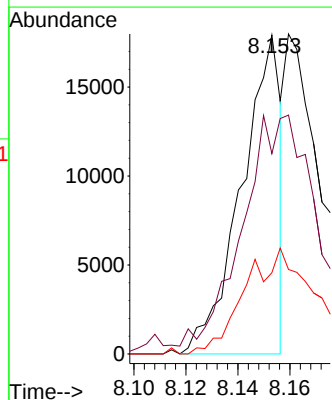
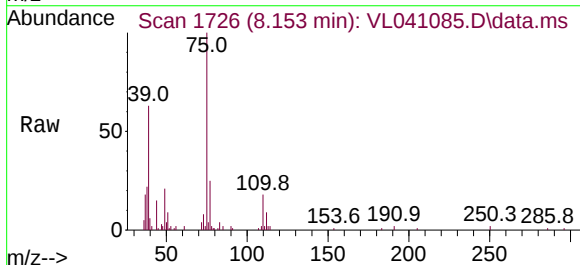
Tgt Ion: 75 Resp: 18741

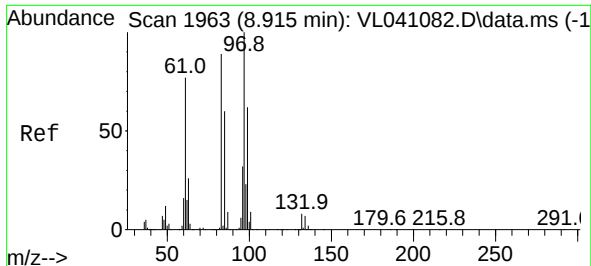
Ion Ratio Lower Upper

75 100

39 60.4 53.3 79.9

77 25.5 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 0.304 ppbv

RT: 8.912 min Scan# 1963

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

Tgt Ion: 97 Resp: 35817

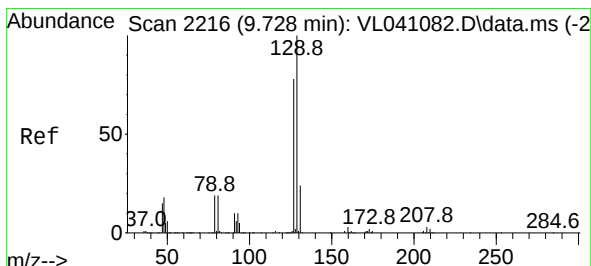
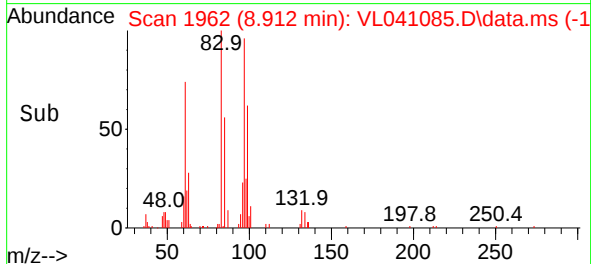
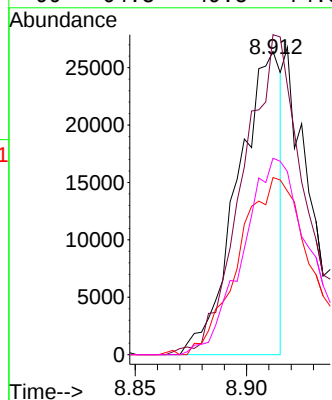
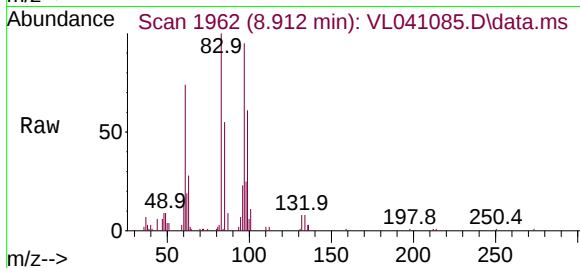
Ion Ratio Lower Upper

97 100

83 103.5 71.1 106.7

85 58.4 48.2 72.2

99 64.8 49.5 74.3



#48

Dibromochloromethane

Concen: 0.408 ppbv

RT: 9.722 min Scan# 2214

Delta R.T. -0.006 min

Lab File: VL041085.D

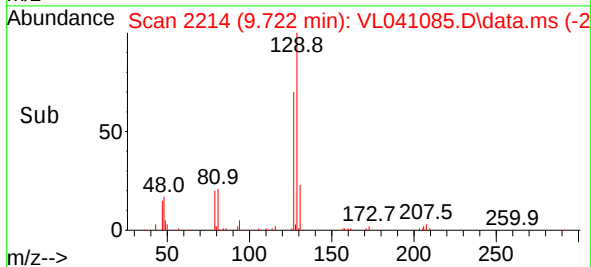
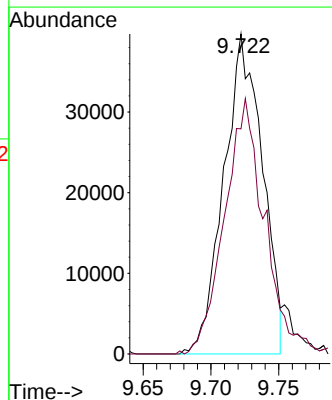
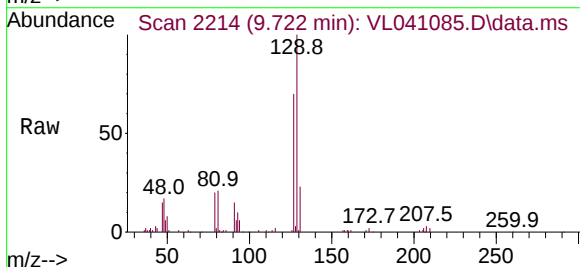
Acq: 11 Mar 2024 13:00

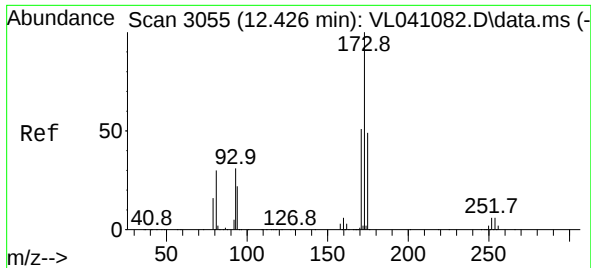
Tgt Ion: 129 Resp: 78354

Ion Ratio Lower Upper

129 100

127 83.7 39.6 118.8





#49

Bromoform

Concen: 0.391 ppbv

RT: 12.420 min Scan# 3055

Delta R.T. -0.006 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

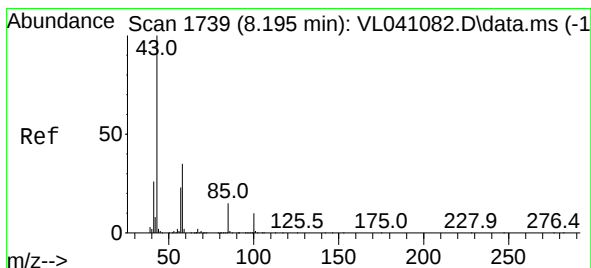
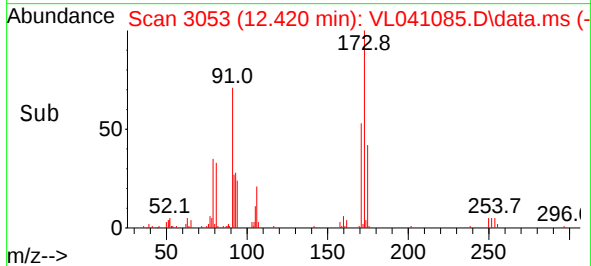
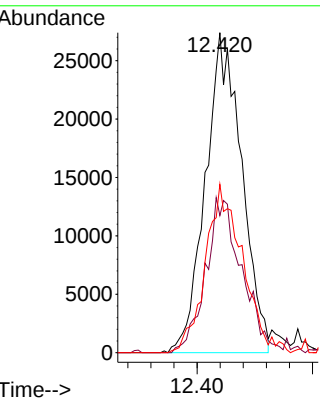
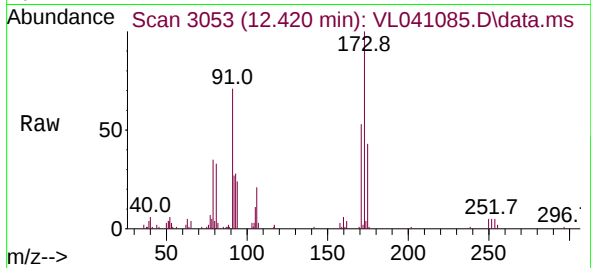
Tgt Ion:173 Resp: 59717

Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

171 54.1 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 0.415 ppbv

RT: 8.211 min Scan# 1744

Delta R.T. 0.016 min

Lab File: VL041085.D

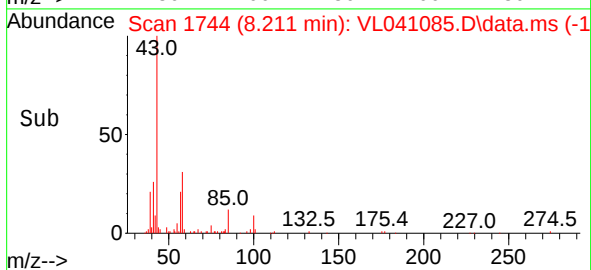
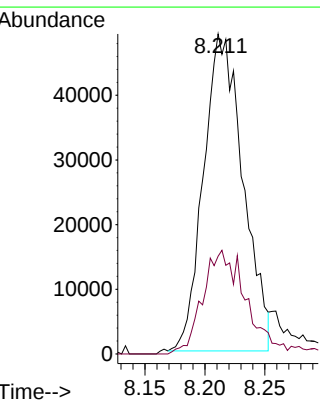
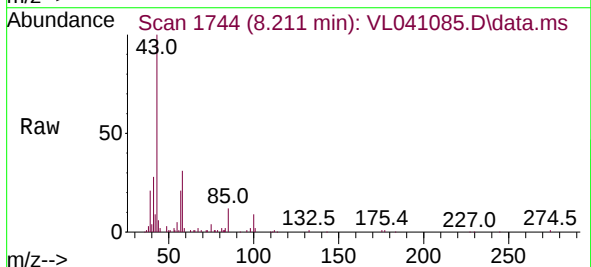
Acq: 11 Mar 2024 13:00

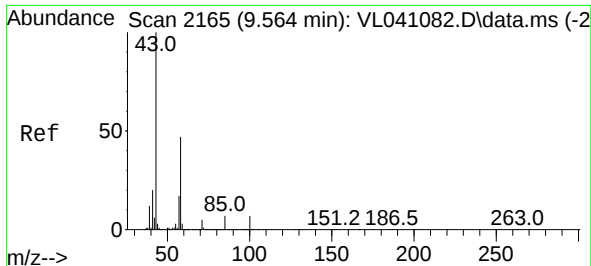
Tgt Ion: 43 Resp: 112325

Ion Ratio Lower Upper

43 100

58 37.6 28.3 42.5

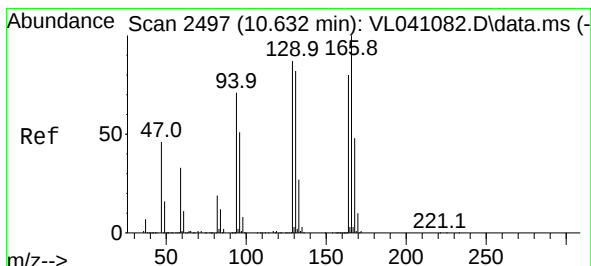
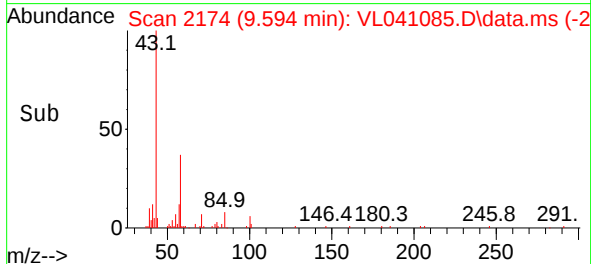
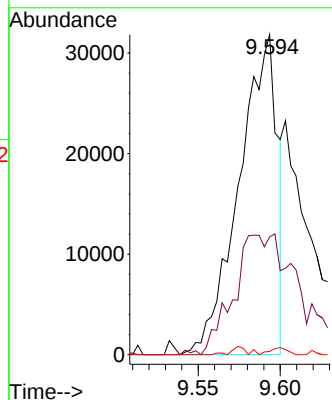
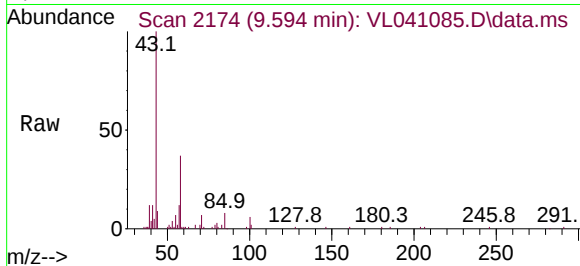




#51
2-Hexanone
Concen: 0.257 ppbv
RT: 9.594 min Scan# 2165
Delta R.T. 0.029 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

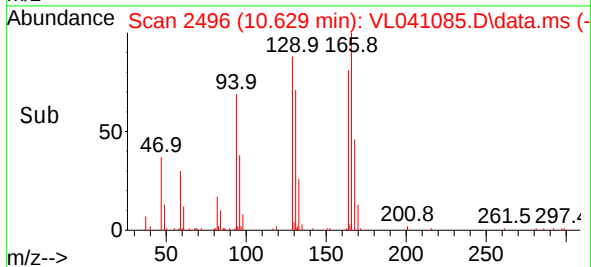
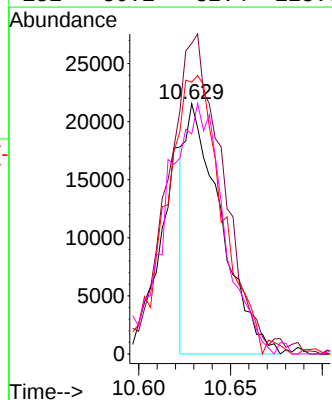
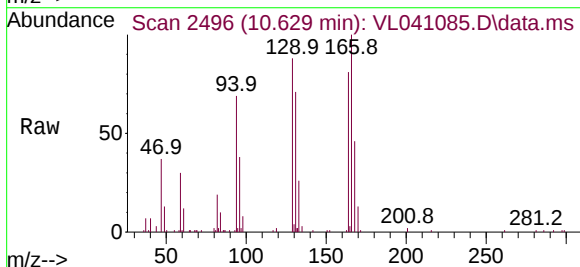
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

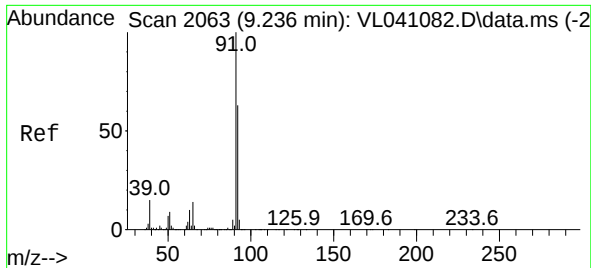
Tgt Ion: 43 Resp: 51462
Ion Ratio Lower Upper
43 100
58 0.0 37.4 56.2#
98 0.8 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.342 ppbv
RT: 10.629 min Scan# 2496
Delta R.T. -0.003 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion: 164 Resp: 29373
Ion Ratio Lower Upper
164 100
166 117.9 100.6 150.8
129 105.2 87.2 130.8
131 86.1 82.4 123.6





#53

Toluene

Concen: 0.424 ppbv

RT: 9.237 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

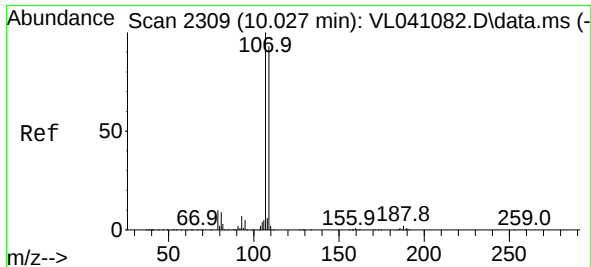
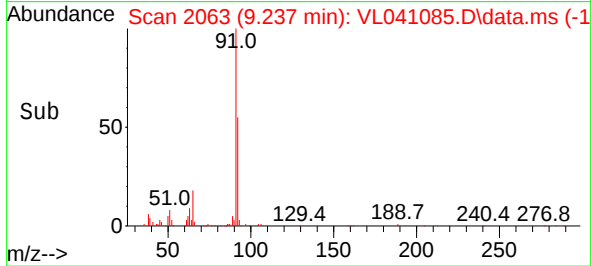
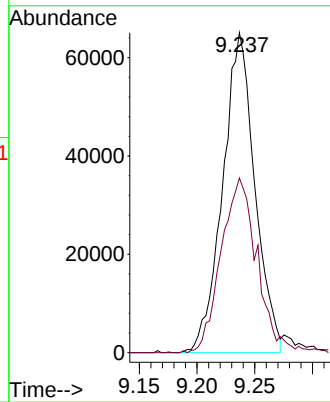
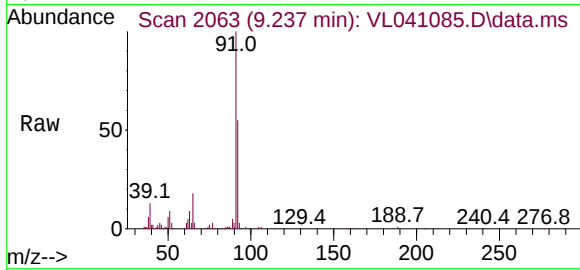
VSTDICC0.5

Tgt Ion: 91 Resp: 126110

Ion Ratio Lower Upper

91 100

92 61.7 48.9 73.3



#54

1,2-Dibromoethane

Concen: 0.202 ppbv

RT: 10.018 min Scan# 2306

Delta R.T. -0.010 min

Lab File: VL041085.D

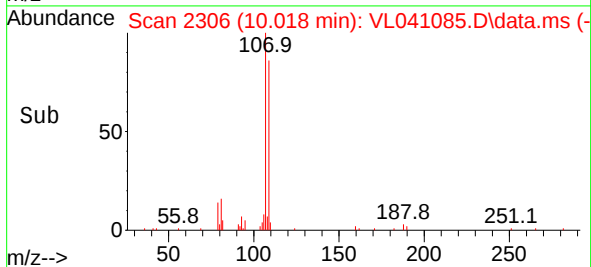
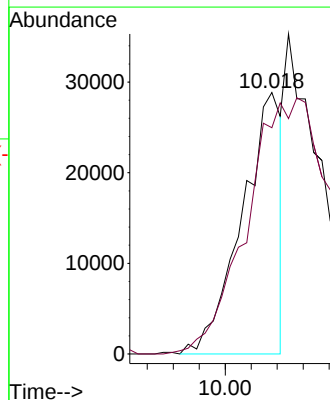
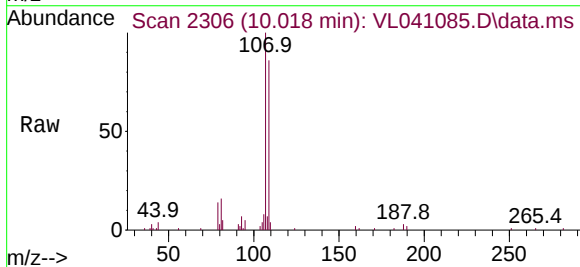
Acq: 11 Mar 2024 13:00

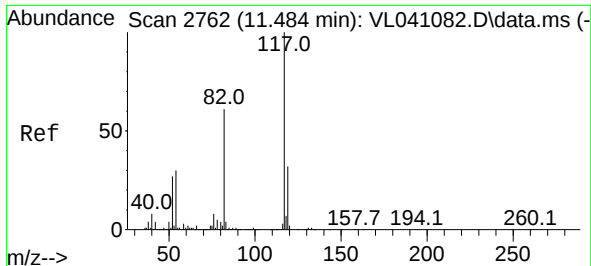
Tgt Ion: 107 Resp: 30516

Ion Ratio Lower Upper

107 100

109 89.2 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.481 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

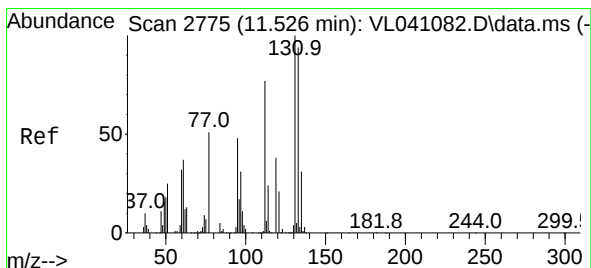
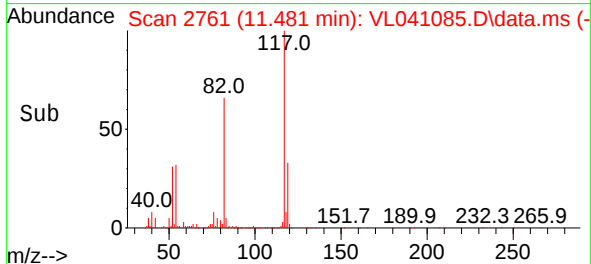
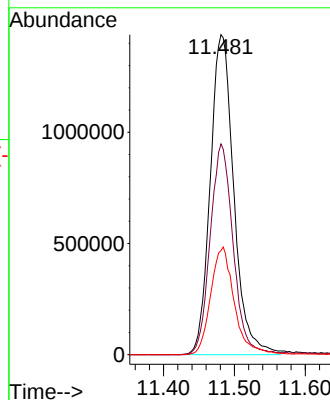
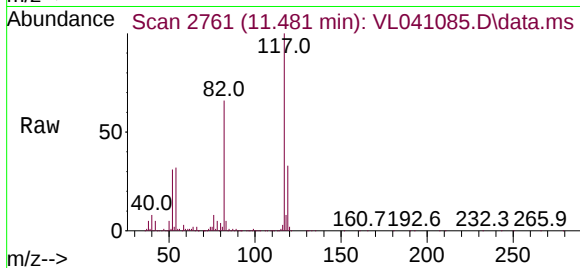
Tgt Ion:117 Resp: 3320277

Ion Ratio Lower Upper

117 100

82 65.3 51.4 77.2

119 34.2 23.7 35.5



#56

1,1,1,2-Tetrachloroethane

Concen: 0.244 ppbv

RT: 11.529 min Scan# 2776

Delta R.T. 0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

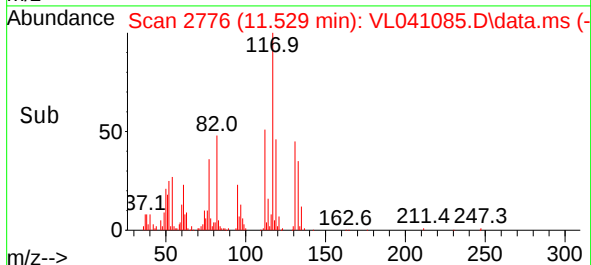
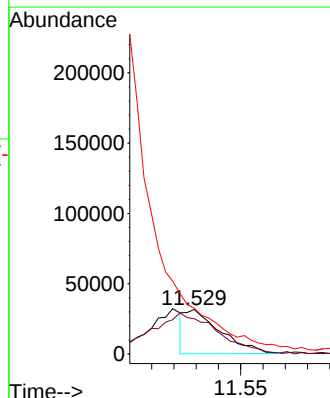
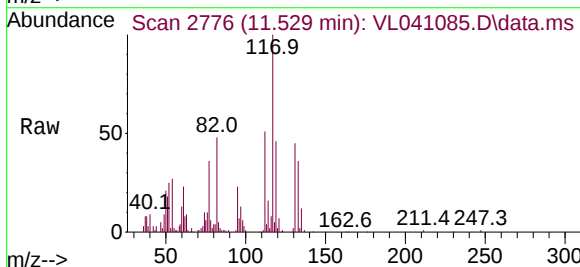
Tgt Ion:131 Resp: 34695

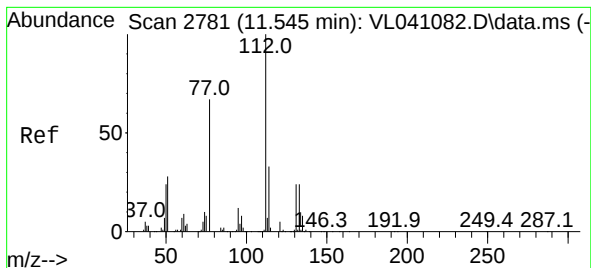
Ion Ratio Lower Upper

131 100

133 0.0 76.1 114.1#

119 0.0 51.1 76.7#

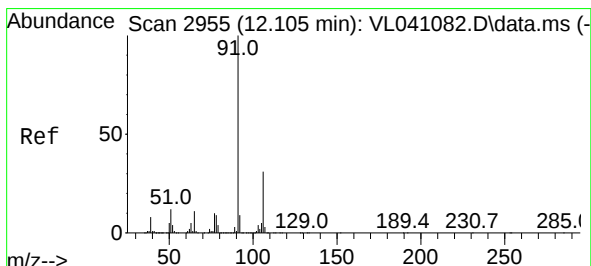
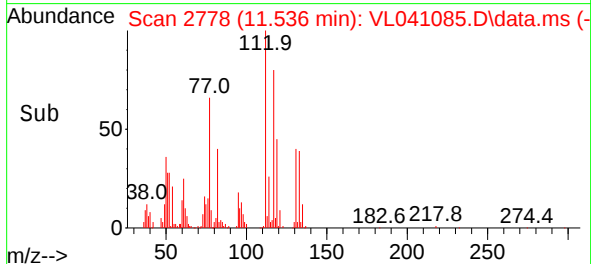
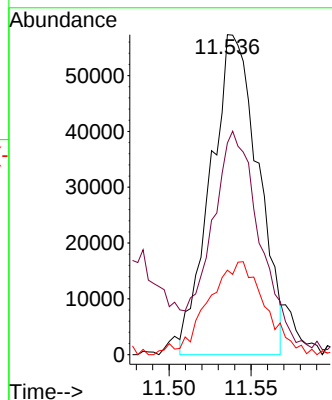
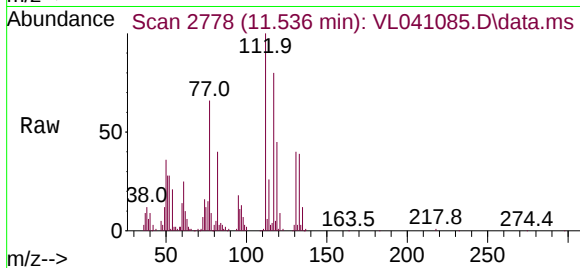




#57
Chlorobenzene
Concen: 0.486 ppbv
RT: 11.536 min Scan# 211
Delta R.T. -0.010 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

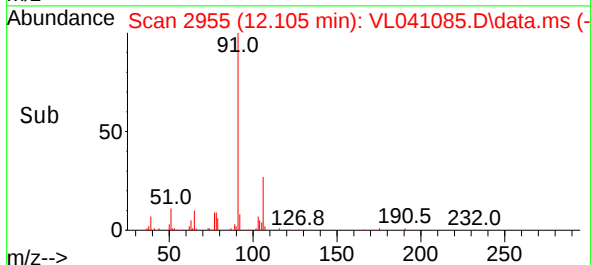
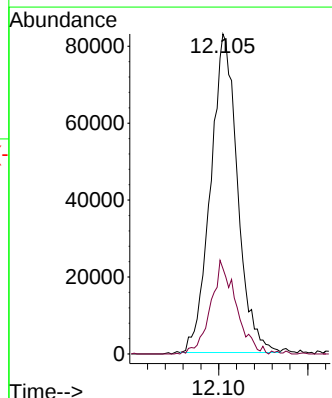
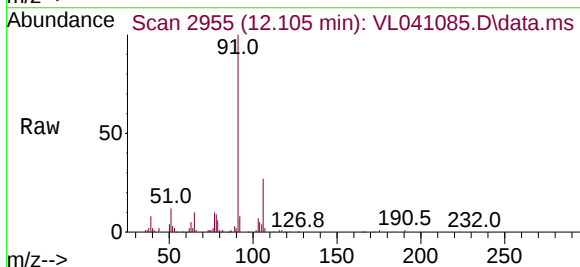
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

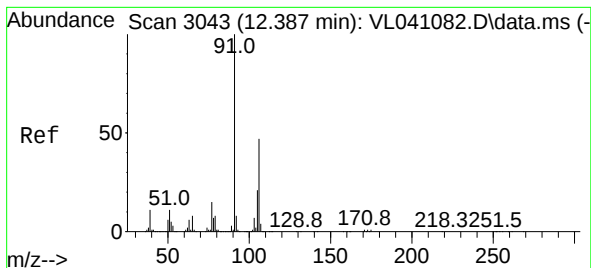
Tgt Ion:112 Resp: 115492
Ion Ratio Lower Upper
112 100
77 54.7 54.6 81.8
114 25.6 29.4 36.0#



#58
Ethyl Benzene
Concen: 0.447 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion: 91 Resp: 173860
Ion Ratio Lower Upper
91 100
106 26.8 24.6 36.8





#59

m/p-Xylene

Concen: 0.498 ppbv

RT: 12.388 min Scan# 3043

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

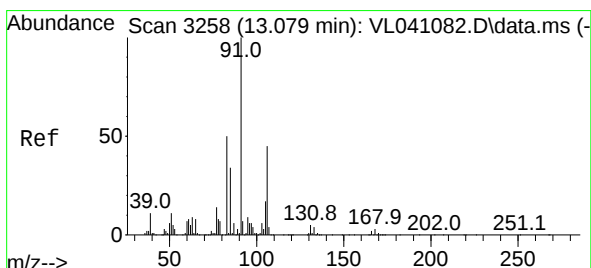
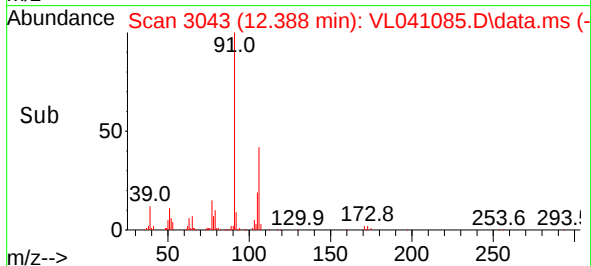
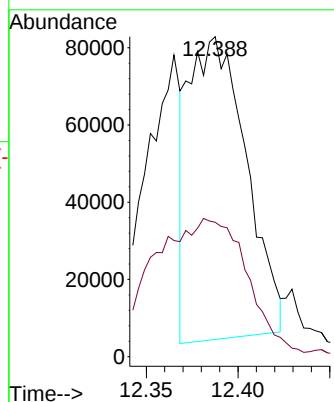
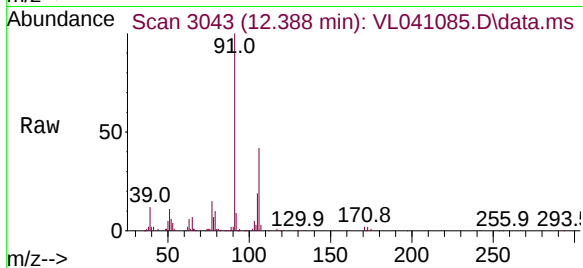
VSTDIC0.5

Tgt Ion: 91 Resp: 169880

Ion Ratio Lower Upper

91 100

106 78.5 35.4 53.2#



#60

o-Xylene

Concen: 0.244 ppbv

RT: 13.072 min Scan# 3256

Delta R.T. -0.006 min

Lab File: VL041085.D

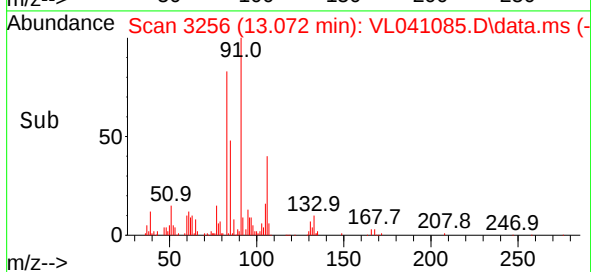
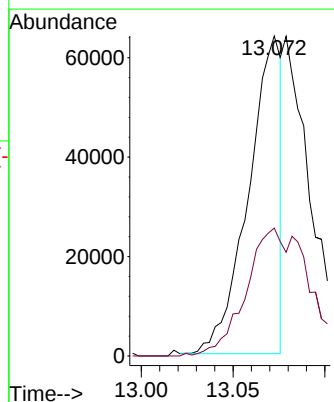
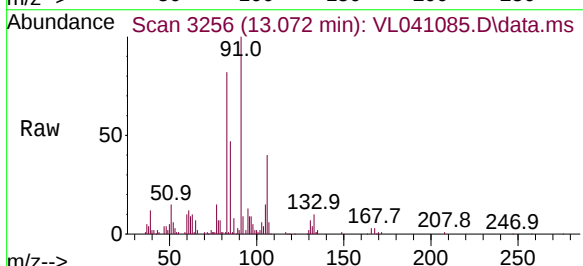
Acq: 11 Mar 2024 13:00

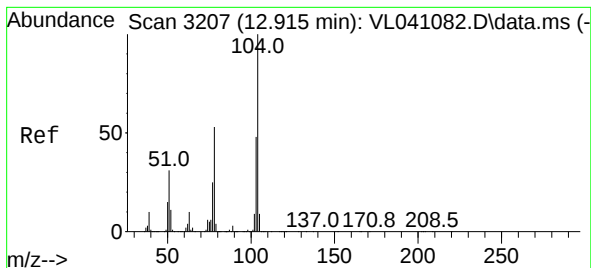
Tgt Ion: 91 Resp: 79118

Ion Ratio Lower Upper

91 100

106 79.3 22.4 67.3#





#61

Styrene

Concen: 0.244 ppbv

RT: 12.912 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

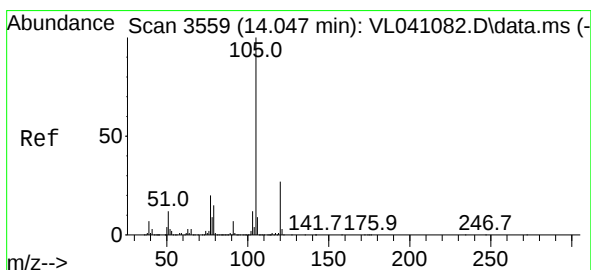
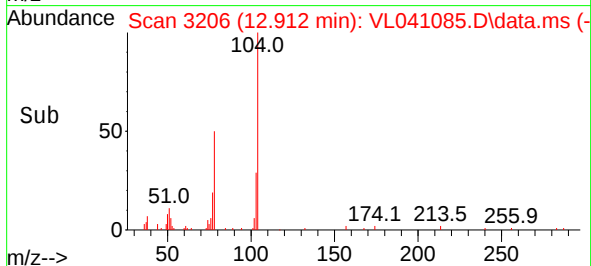
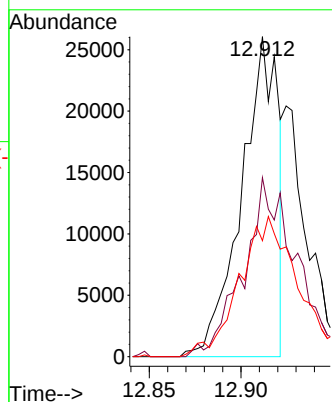
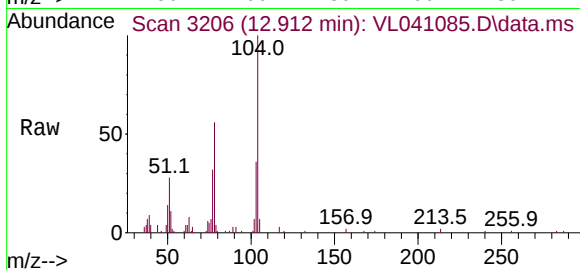
Tgt Ion:104 Resp: 36053

Ion Ratio Lower Upper

104 100

78 84.8 42.6 64.0#

103 72.7 37.3 55.9#



#62

Isopropylbenzene

Concen: 0.483 ppbv

RT: 14.047 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL041085.D

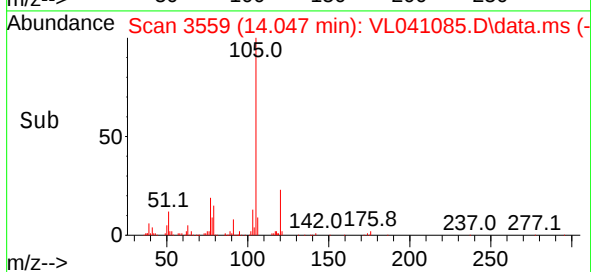
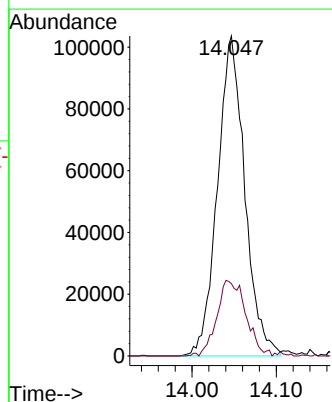
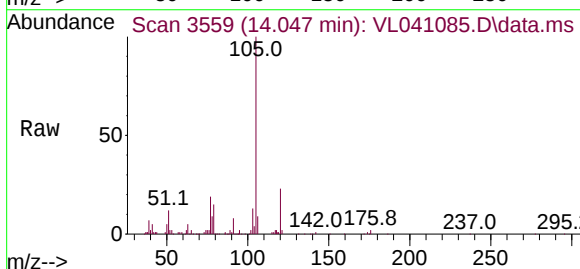
Acq: 11 Mar 2024 13:00

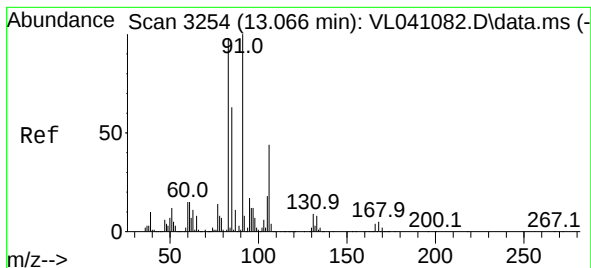
Tgt Ion:105 Resp: 232617

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

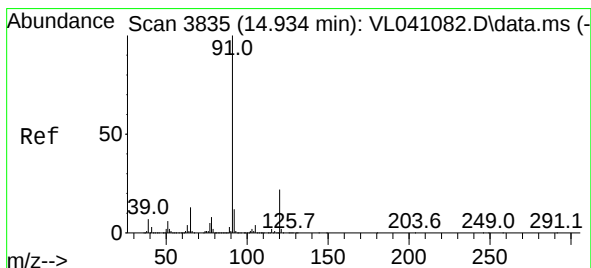
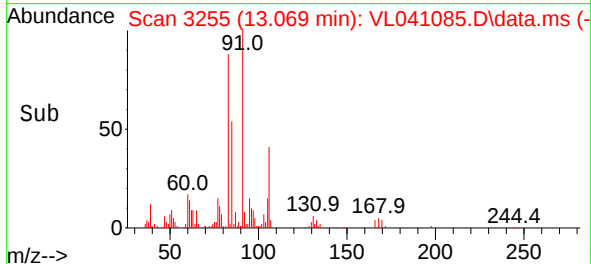
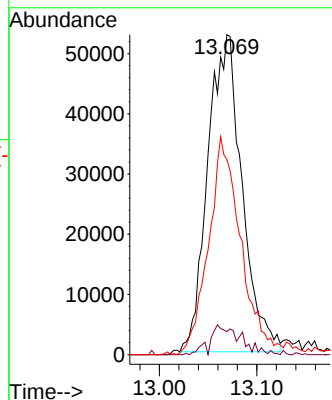
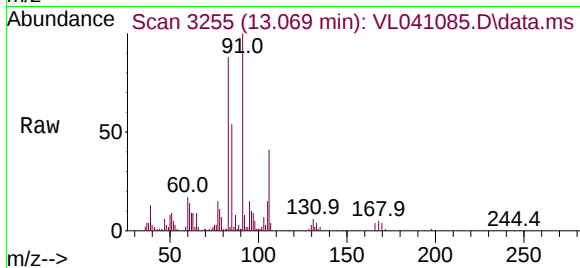




#63
1,1,2,2-Tetrachloroethane
Concen: 0.519 ppbv
RT: 13.069 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

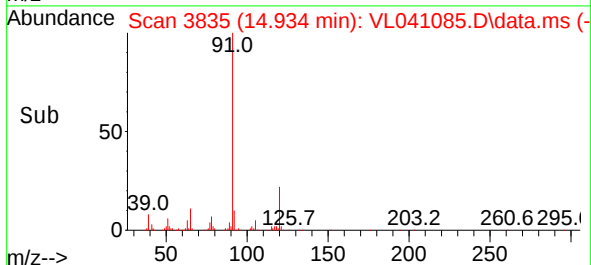
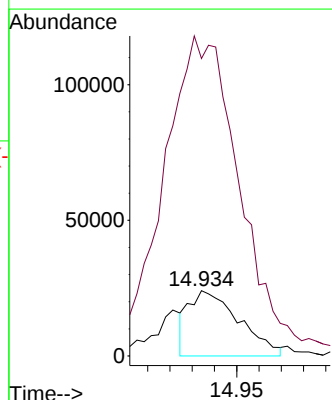
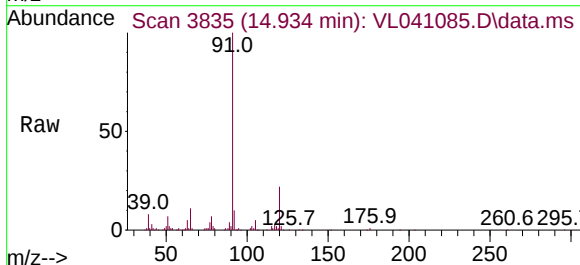
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

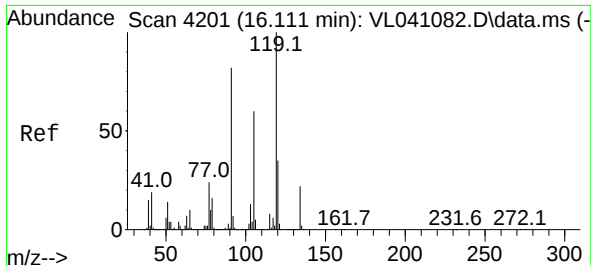
Tgt Ion: 83 Resp: 128400
Ion Ratio Lower Upper
83 100
131 8.6 4.7 14.0
85 66.1 32.7 98.1



#64
n-propylbenzene
Concen: 0.312 ppbv
RT: 14.934 min Scan# 3835
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion:120 Resp: 37822
Ion Ratio Lower Upper
120 100
91 781.5 387.5 581.3#





#65

tert-Butylbenzene

Concen: 0.278 ppbv

RT: 16.108 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

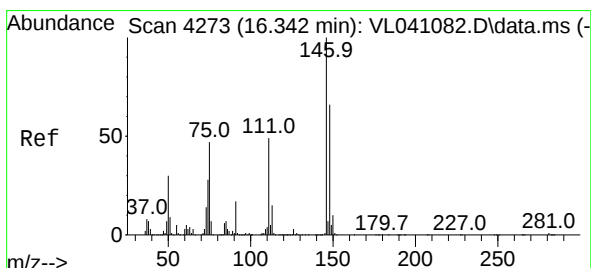
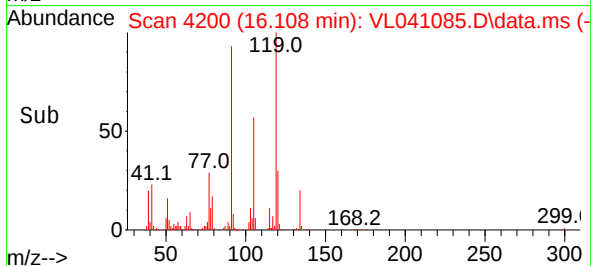
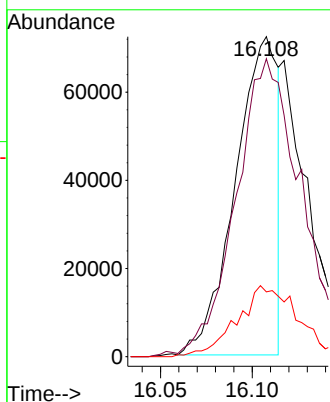
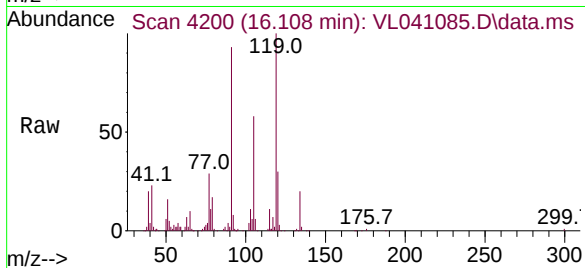
Tgt Ion:119 Resp: 115977

Ion Ratio Lower Upper

119 100

91 151.2 67.8 101.8#

134 32.1 16.2 24.2#



#66

Benzyl Chloride

Concen: 0.075 ppbv

RT: 16.342 min Scan# 4273

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

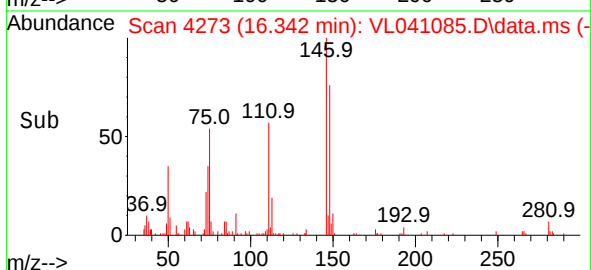
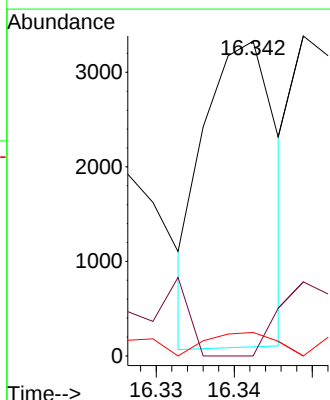
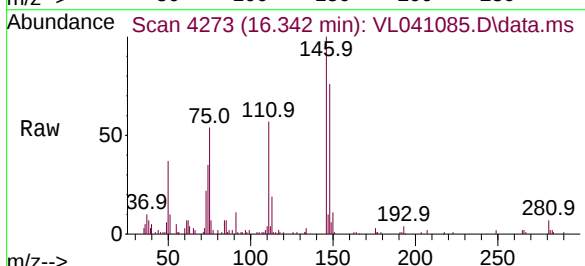
Tgt Ion: 91 Resp: 2100

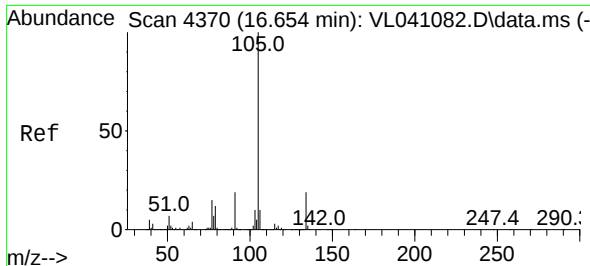
Ion Ratio Lower Upper

91 100

126 43.2 14.1 21.1#

128 15.9 4.6 7.0#





#67

sec-Butylbenzene

Concen: 0.469 ppbv

RT: 16.654 min Scan# 4370

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

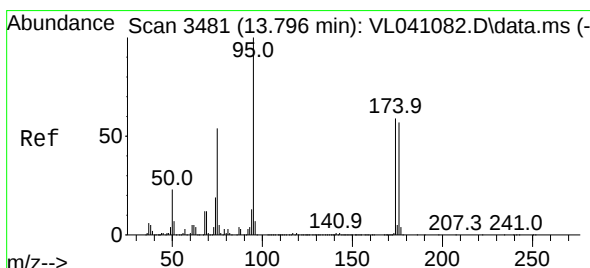
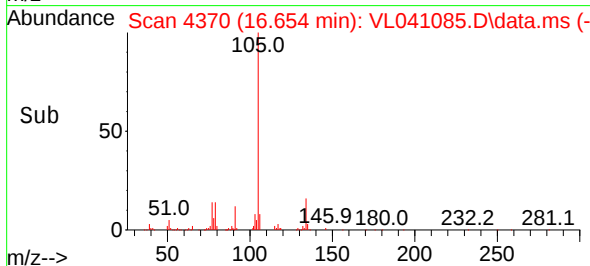
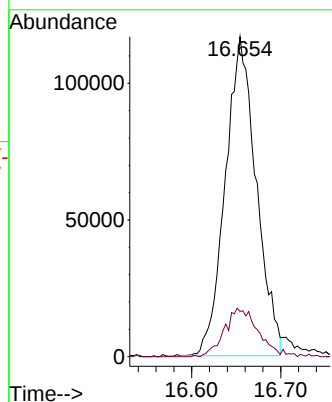
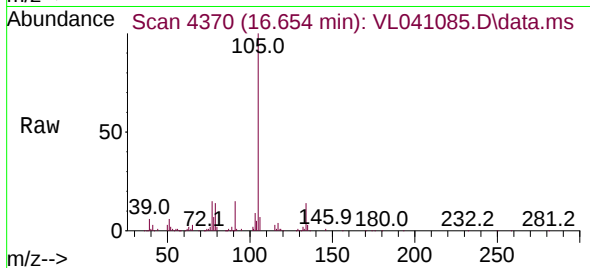
VSTDIC0.5

Tgt Ion:105 Resp: 282060

Ion Ratio Lower Upper

105 100

134 16.8 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.201 ppbv

RT: 13.793 min Scan# 3480

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

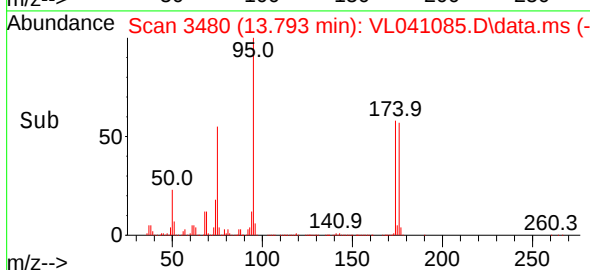
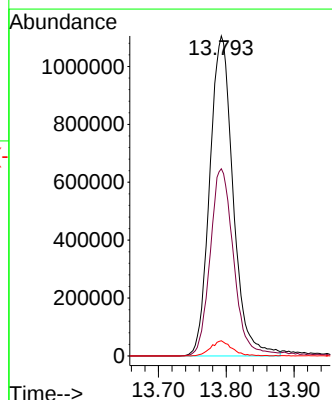
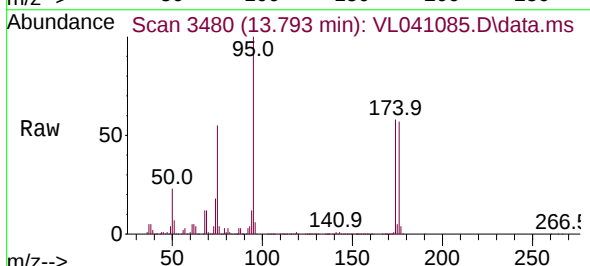
Tgt Ion: 95 Resp: 2648169

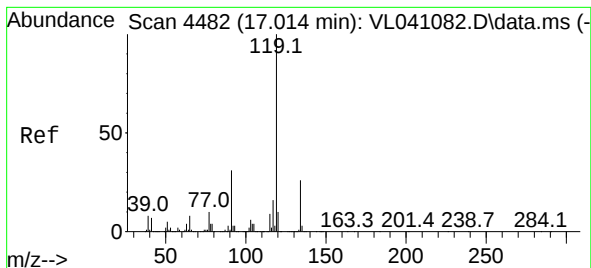
Ion Ratio Lower Upper

95 100

174 60.5 47.8 71.8

175 4.5 3.5 5.3





#69

p-Isopropyltoluene

Concen: 0.437 ppbv

RT: 17.014 min Scan# 4482

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

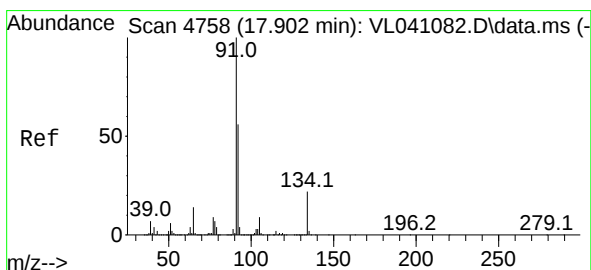
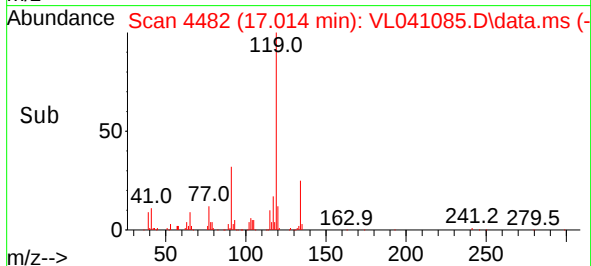
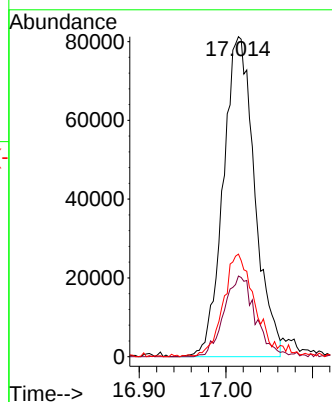
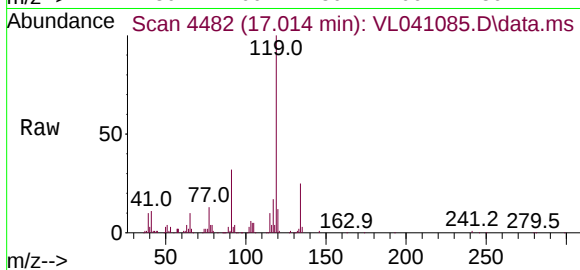
Tgt Ion:119 Resp: 204998

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

91 33.3 24.7 37.1



#70

n-Butylbenzene

Concen: 0.428 ppbv

RT: 17.908 min Scan# 4760

Delta R.T. 0.007 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

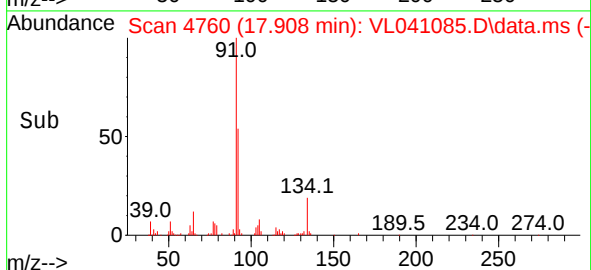
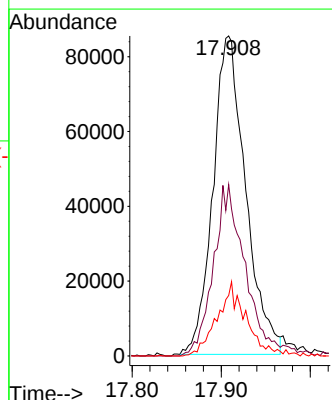
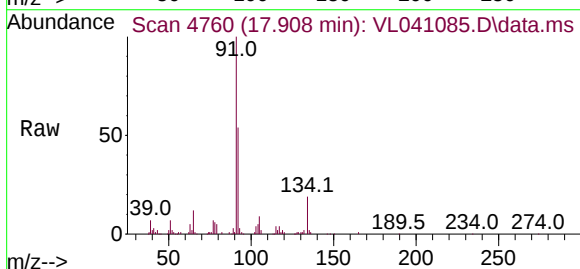
Tgt Ion: 91 Resp: 216852

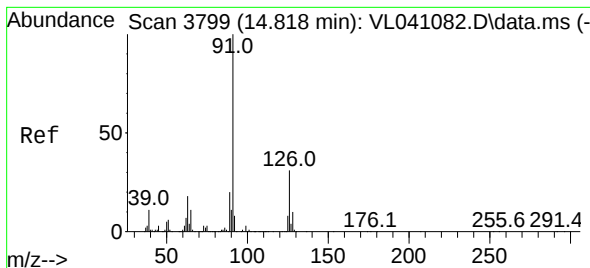
Ion Ratio Lower Upper

91 100

92 53.3 43.4 65.2

134 21.0 17.4 26.0

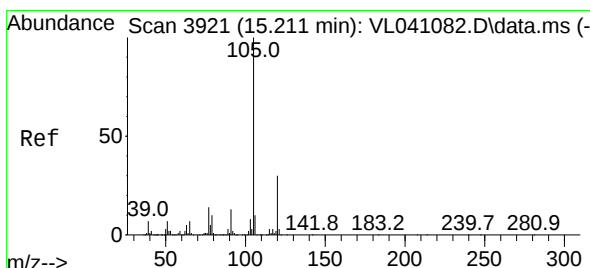
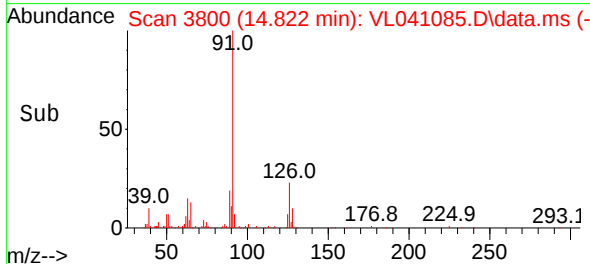
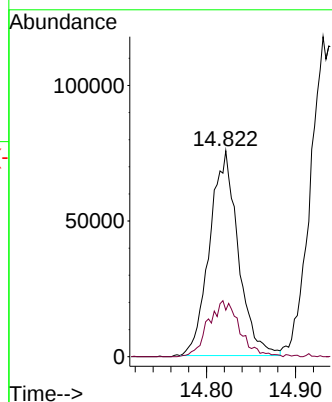
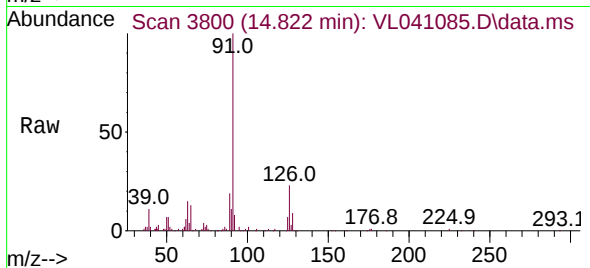




#71
2-Chlorotoluene
Concen: 0.459 ppbv
RT: 14.822 min Scan# 3799
Delta R.T. 0.003 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

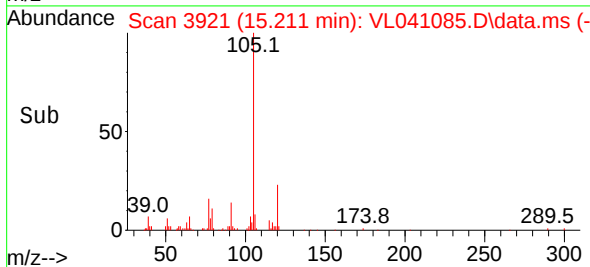
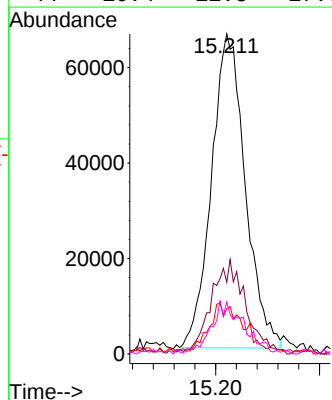
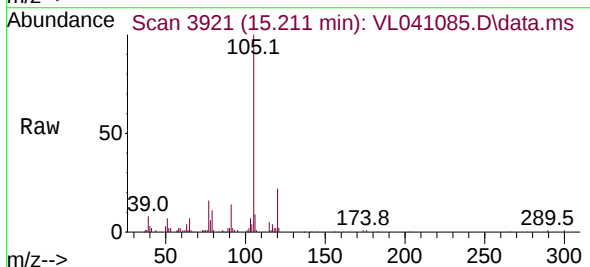
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

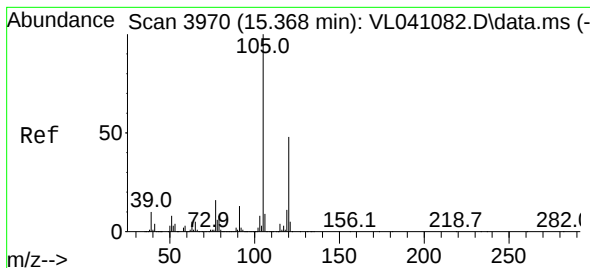
Tgt Ion: 91 Resp: 169024
Ion Ratio Lower Upper
91 100
126 30.3 12.2 48.8



#72
4-Ethyltoluene
Concen: 0.417 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion:105 Resp: 148632
Ion Ratio Lower Upper
105 100
120 31.4 23.8 35.8
91 18.9 10.9 16.3#
77 16.4 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 0.436 ppbv

RT: 15.365 min Scan# 3969

Delta R.T. -0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

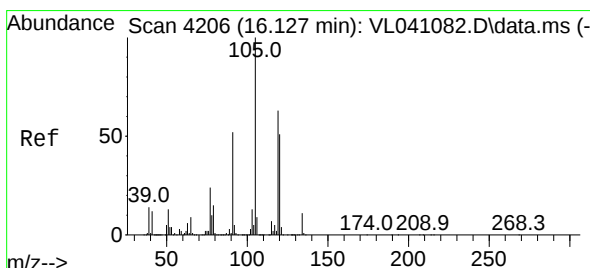
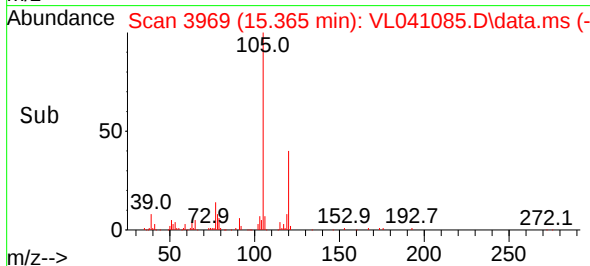
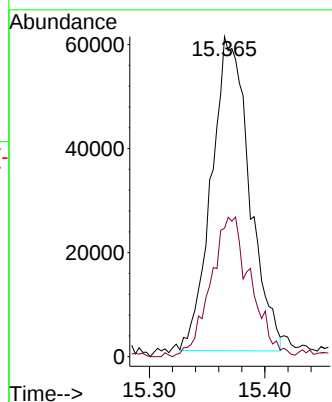
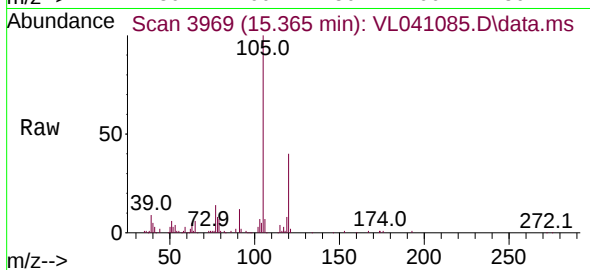
VSTDIC0.5

Tgt Ion:105 Resp: 137727

Ion Ratio Lower Upper

105 100

120 39.9 38.7 58.1



#74

1,2,4-Trimethylbenzene

Concen: 0.463 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Tgt Ion:105 Resp: 166779

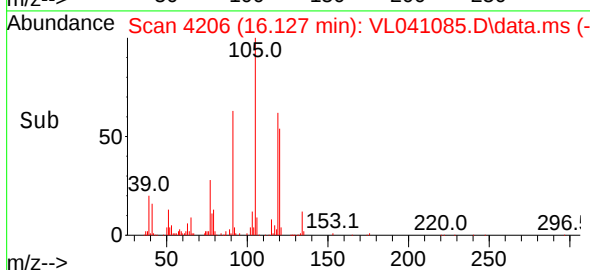
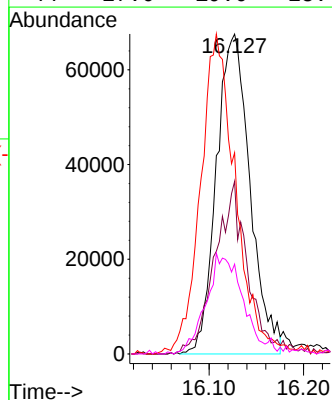
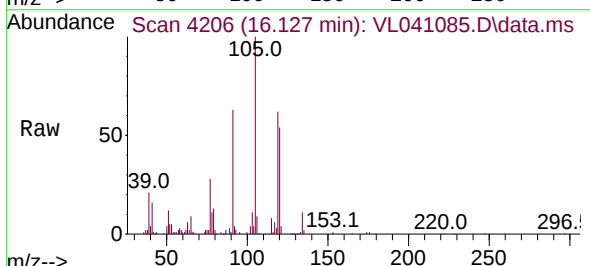
Ion Ratio Lower Upper

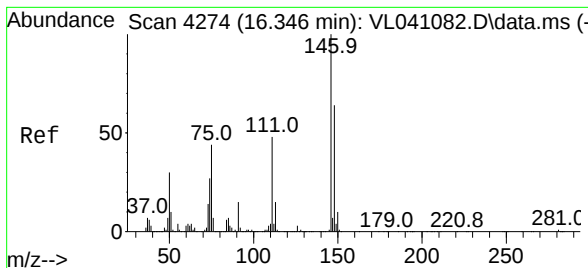
105 100

120 53.1 40.4 60.6

91 60.2 41.4 62.0

77 27.0 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.467 ppbv

RT: 16.349 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

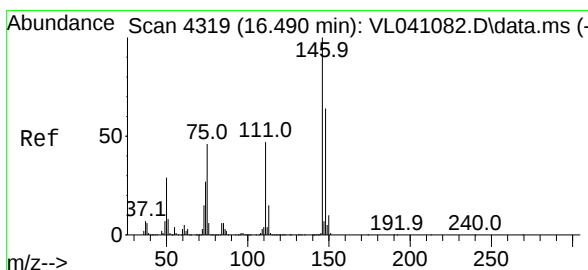
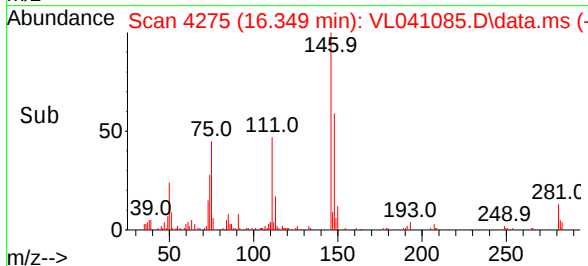
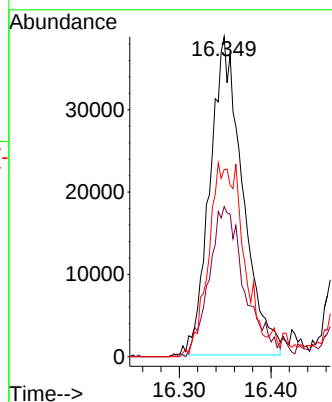
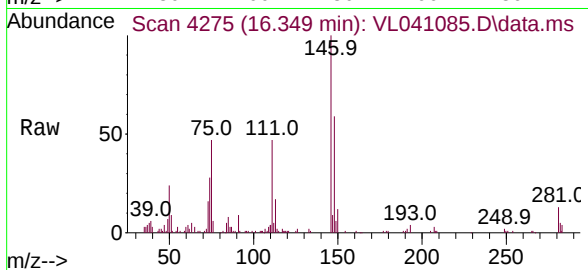
Tgt Ion:146 Resp: 96158

Ion Ratio Lower Upper

146 100

111 53.4 24.1 72.2

148 68.9 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 0.312 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.003 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

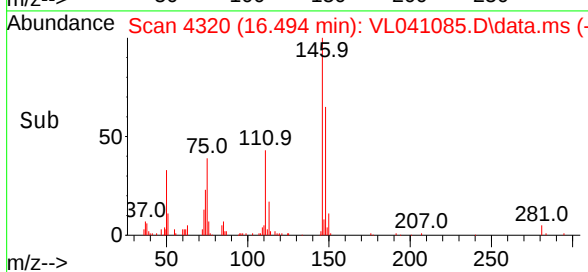
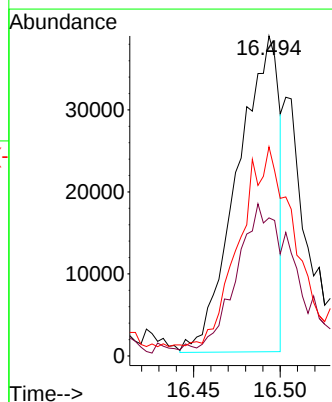
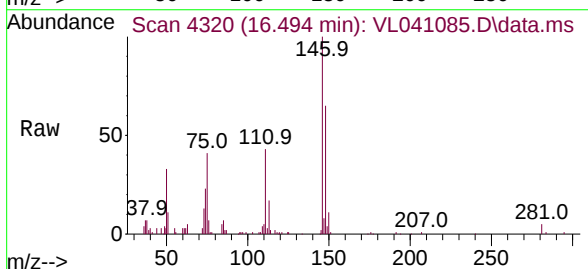
Tgt Ion:146 Resp: 64504

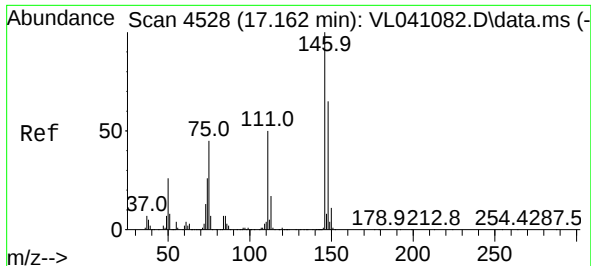
Ion Ratio Lower Upper

146 100

111 76.9 23.9 71.7#

148 102.9 32.9 98.6#

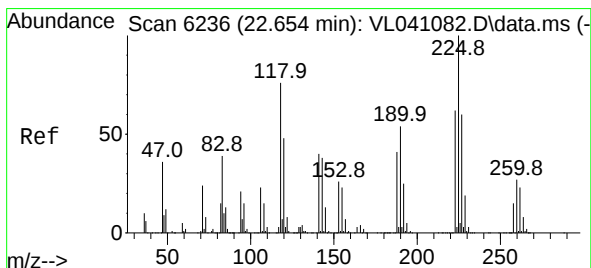
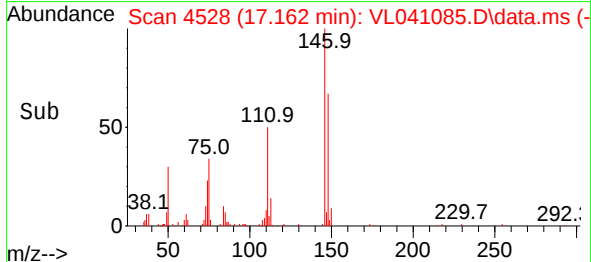
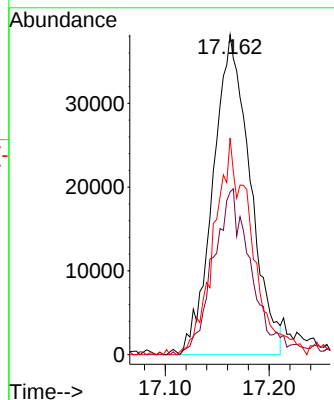
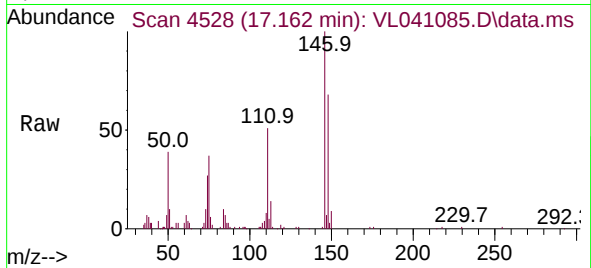




#77
1,2-Dichlorobenzene
Concen: 0.466 ppbv
RT: 17.162 min Scan# 4528
Delta R.T. 0.000 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

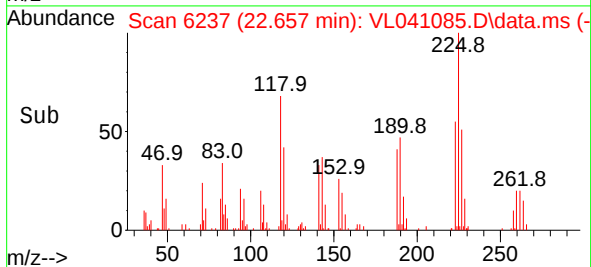
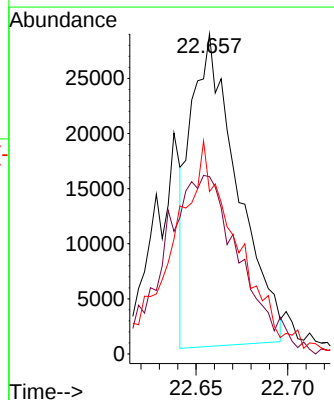
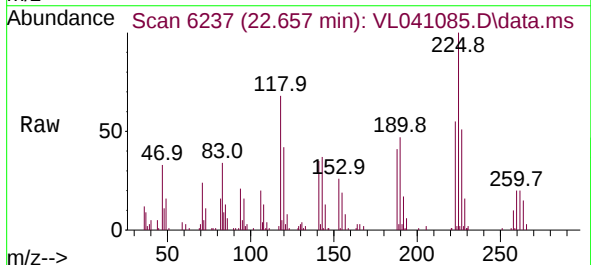
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

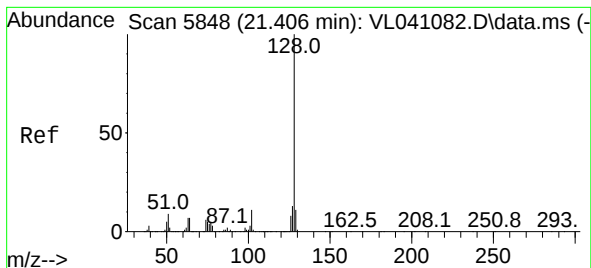
Tgt Ion:146 Resp: 94635
Ion Ratio Lower Upper
146 100
111 55.3 25.2 75.6
148 68.5 32.4 97.0



#78
Hexachloro-1,3-Butadiene
Concen: 0.354 ppbv
RT: 22.657 min Scan# 6237
Delta R.T. 0.003 min
Lab File: VL041085.D
Acq: 11 Mar 2024 13:00

Tgt Ion:225 Resp: 50331
Ion Ratio Lower Upper
225 100
223 96.8 51.1 76.7#
227 97.3 51.1 76.7#





#79

Naphthalene

Concen: 0.087 ppbv

RT: 21.432 min Scan# 5848

Delta R.T. 0.026 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

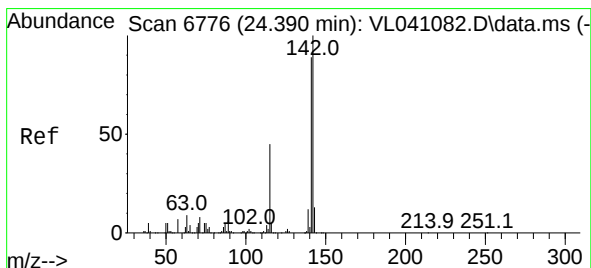
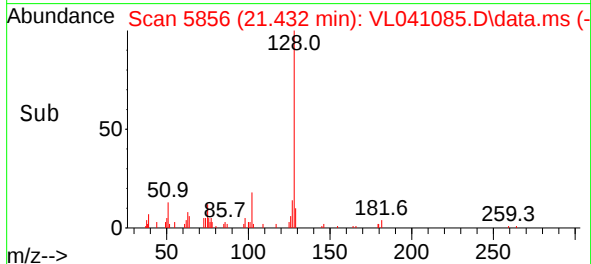
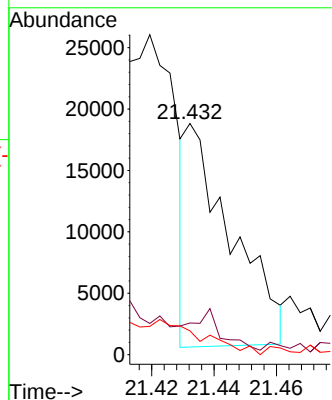
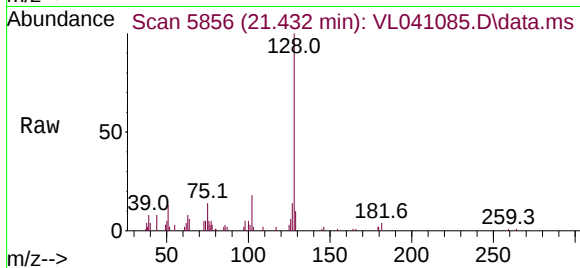
Tgt Ion:128 Resp: 18375

Ion Ratio Lower Upper

128 100

127 12.4 10.6 15.8

129 9.4 9.0 13.6



#80

Naphthalene, 2-methyl-

Concen: 0.029 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.000 min

Lab File: VL041085.D

Acq: 11 Mar 2024 13:00

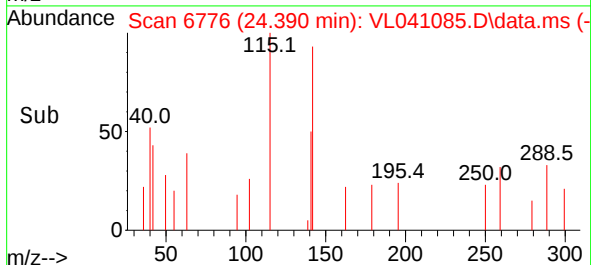
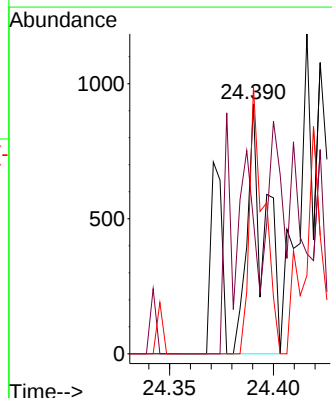
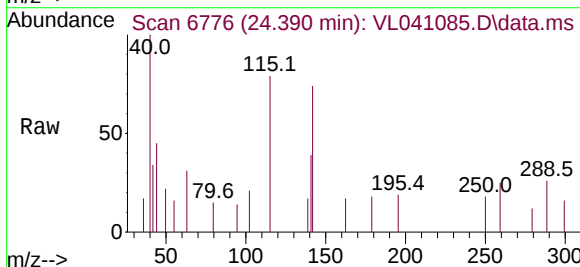
Tgt Ion:142 Resp: 814

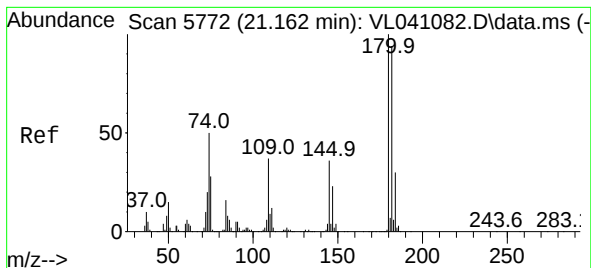
Ion Ratio Lower Upper

142 100

141 0.0 61.3 91.9#

115 59.7 35.4 53.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.024 ppbv

RT: 21.165 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041085.D

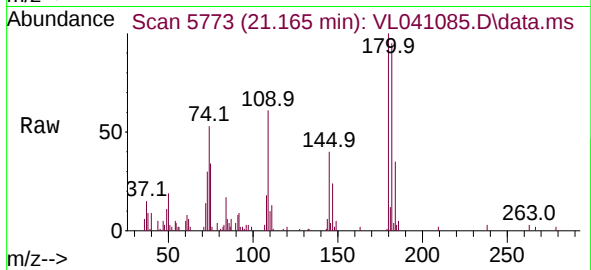
Acq: 11 Mar 2024 13:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 2952

Ion Ratio Lower Upper

180 100

182 0.0 78.7 118.1#

184 0.0 25.3 37.9#

