

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041178.D
 Acq On : 29 Apr 2024 10:49
 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 30 05:05:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 30 05:04:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1128547	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2868001	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2656923	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2015819	10.046	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	96105	0.616	ppbv	92
3) Chlorodifluoromethane	2.665	51	92535	0.538	ppbv	97
4) Chloromethane	2.803	50	37307	0.545	ppbv	99
5) Vinyl Chloride	2.909	62	33984	0.512	ppbv	91
6) Bromomethane	3.111	94	13054	0.531	ppbv	95
7) Chloroethane	3.185	64	13271	0.551	ppbv	90
8) Dichlorotetrafluoroethane	2.848	85	84194	0.534	ppbv	94
9) Propene	2.684	41	37472	0.558	ppbv	98
10) Heptane	7.571	43	85369	0.531	ppbv	98
11) Trichlorofluoromethane	3.552	101	79385	0.512	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	61814	0.534	ppbv	98
13) Ethanol	3.243	45	3625	0.250	ppbv #	38
14) Bromoethene	3.356	108	22825	0.473	ppbv #	80
15) Acetone	3.475	43	77920	0.579	ppbv #	88
16) 1,3-Butadiene	2.976	39	31528	0.471	ppbv	84
17) tert-Butyl alcohol	3.880	59	68078	0.468	ppbv #	85
18) 1,1-Dichloroethene	3.870	96	28245	0.532	ppbv	90
19) Isopropyl Alcohol	3.581	45	30550	0.349	ppbv #	47
20) Methylene Chloride	3.925	84	27917	0.597	ppbv	86
21) Allyl Chloride	3.986	41	48808	0.556	ppbv	93
22) trans-1,2-Dichloroethene	4.439	96	26013	0.496	ppbv	98
23) Vinyl Acetate	4.626	43	78747	0.530	ppbv	99
24) 1,1-Dichloroethane	4.558	63	61911	0.541	ppbv #	97
25) Ethyl Acetate	5.205	43	135253	0.512	ppbv #	97
26) Hexane	5.208	57	59773	0.511	ppbv	87
27) Carbon Disulfide	4.115	76	68745	0.496	ppbv #	93
28) Methyl tert-Butyl Ether	4.591	73	50217	0.528	ppbv #	79
29) Chloroform	5.269	83	85566	0.524	ppbv	90
30) Cyclohexane	6.594	84	2873	0.030	ppbv #	1
31) cis-1,2-Dichloroethene	5.070	61	57667	0.515	ppbv	94
32) 1,1,1-Trichloroethane	5.996	97	86802	0.530	ppbv	97
34) 2-Butanone	4.793	43	62420	0.445	ppbv	93
35) Carbon Tetrachloride	6.488	117	86968	0.534	ppbv	96
36) Benzene	6.365	78	123516	0.512	ppbv	95
37) 1,2-Dichloroethane	5.803	62	64600	0.512	ppbv #	92
38) Trichloroethene	7.285	130	46554	0.511	ppbv	85
39) 1,2-Dichloropropane	7.066	63	47513	0.510	ppbv	96
40) 1,4-Dioxane	7.291	88	870	0.026	ppbv #	1
41) Tetrahydrofuran	5.574	42	52608	0.507	ppbv	93
42) Bromodichloromethane	7.240	83	95551	0.518	ppbv	91
43) Methyl Methacrylate	7.468	69	21533	0.217	ppbv #	1
44) 2,2,4-Trimethylpentane	7.324	57	222720	0.533	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	18184	0.251	ppbv	94

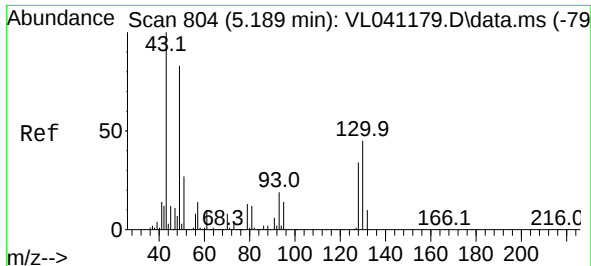
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041178.D
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 Operator : SY/MD
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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Apr 30 05:05:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 30 05:04:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	45351	0.517	ppbv	92
47) 1,1,2-Trichloroethane	8.896	97	47606	0.513	ppbv	92
48) Dibromochloromethane	9.706	129	74025	0.493	ppbv	95
49) Bromoform	12.404	173	63005	0.489	ppbv	97
50) 4-Methyl-2-Pentanone	8.192	43	136553	0.516	ppbv	96
51) 2-Hexanone	9.568	43	96771	0.502	ppbv #	92
52) Tetrachloroethene	10.616	164	43486	0.512	ppbv	88
53) Toluene	9.214	91	147932	0.526	ppbv	98
54) 1,2-Dibromoethane	10.012	107	22632	0.179	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.510	131	59155	0.538	ppbv #	1
57) Chlorobenzene	11.523	112	104511	0.538	ppbv	99
58) Ethyl Benzene	12.085	91	198340	0.542	ppbv	96
59) m/p-Xylene	12.368	91	125873	0.410	ppbv #	1
60) o-Xylene	13.056	91	161481	0.560	ppbv	100
61) Styrene	12.899	104	78413	0.521	ppbv	95
62) Isopropylbenzene	14.027	105	243105	0.561	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.040	83	45488	0.232	ppbv #	24
64) n-propylbenzene	14.912	120	29027	0.267	ppbv #	1
65) tert-Butylbenzene	16.088	119	212722	0.556	ppbv	98
66) Benzyl Chloride	16.333	91	3352	0.074	ppbv #	52
67) sec-Butylbenzene	16.635	105	302898	0.559	ppbv	100
69) p-Isopropyltoluene	16.995	119	149250	0.333	ppbv #	62
70) n-Butylbenzene	17.889	91	246360	0.528	ppbv	97
71) 2-Chlorotoluene	14.796	91	181470	0.548	ppbv	99
72) 4-Ethyltoluene	15.191	105	175607	0.534	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	160422	0.538	ppbv	95
74) 1,2,4-Trimethylbenzene	16.105	105	179991	0.554	ppbv	96
75) 1,3-Dichlorobenzene	16.326	146	94973	0.520	ppbv	96
76) 1,4-Dichlorobenzene	16.471	146	90589	0.509	ppbv	92
77) 1,2-Dichlorobenzene	17.143	146	60107	0.326	ppbv #	50
78) Hexachloro-1,3-Butadiene	22.622	225	45616	0.278	ppbv #	18
79) Naphthalene	21.384	128	93287	0.303	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	83316	0.643	ppbv	86
81) 1,2,4-Trichlorobenzene	21.140	180	47063	0.286	ppbv #	12

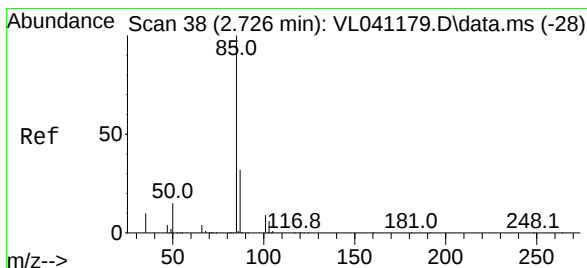
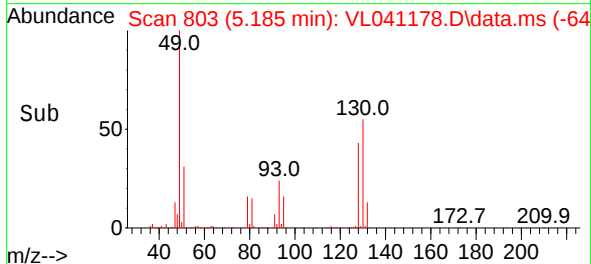
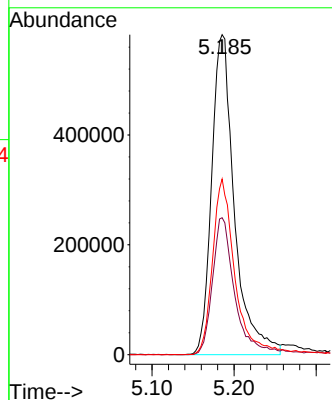
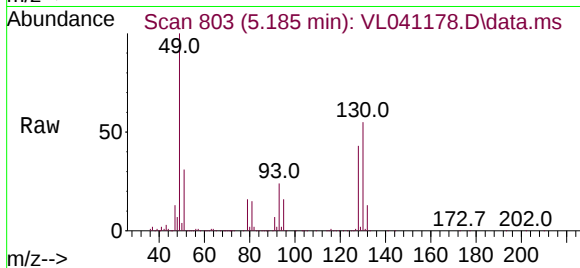
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.004 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

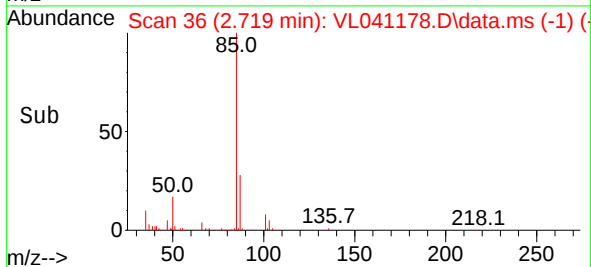
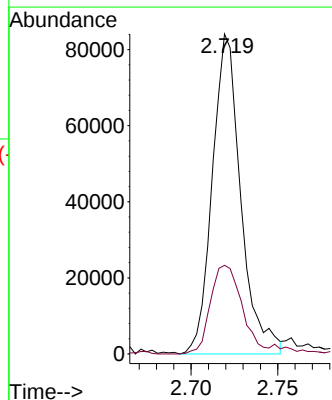
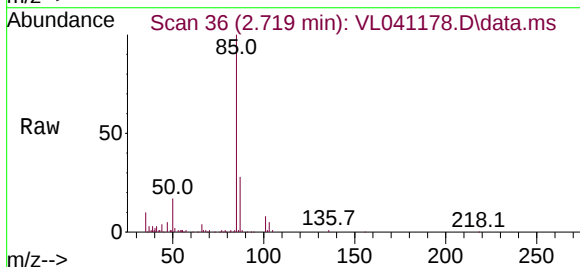
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

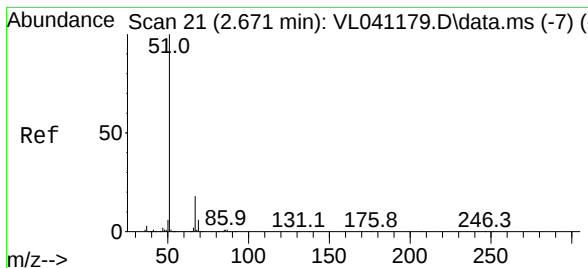
Tgt Ion: 49 Resp: 1128547
Ion Ratio Lower Upper
49 100
128 43.2 21.5 64.5
130 55.2 27.2 81.6



#2
Dichlorodifluoromethane
Concen: 0.616 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.006 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

Tgt Ion: 85 Resp: 96105
Ion Ratio Lower Upper
85 100
87 27.7 25.7 38.5





#3

Chlorodifluoromethane

Concen: 0.538 ppbv

RT: 2.665 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_1

ClientSampleId :

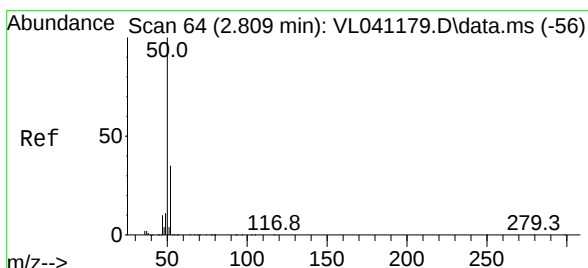
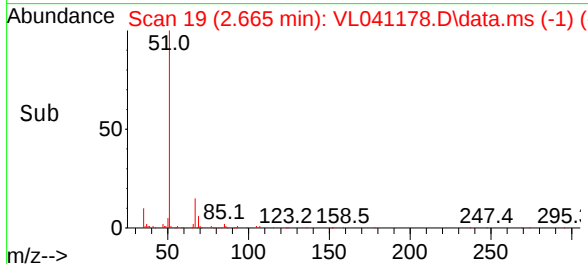
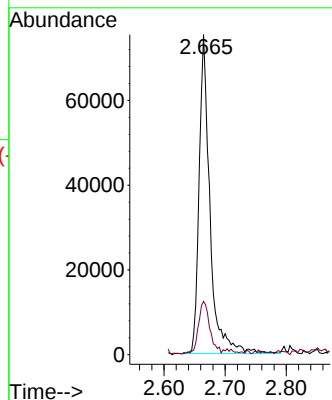
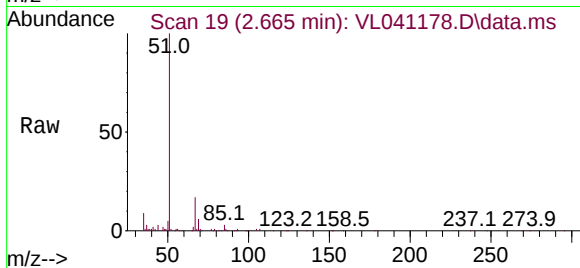
VSTDICC0.5

Tgt Ion: 51 Resp: 92535

Ion Ratio Lower Upper

51 100

67 18.6 14.0 21.0



#4

Chloromethane

Concen: 0.545 ppbv

RT: 2.803 min Scan# 62

Delta R.T. -0.006 min

Lab File: VL041178.D

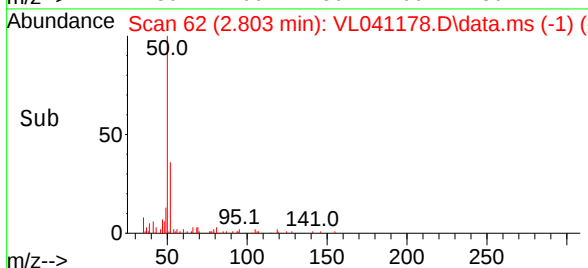
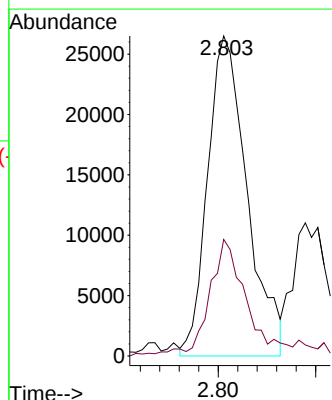
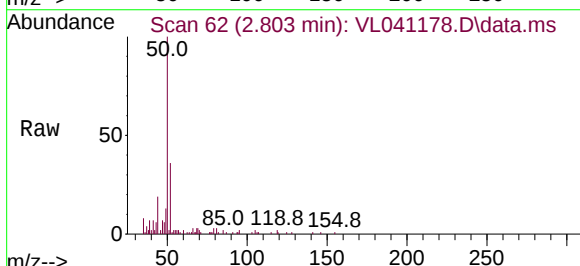
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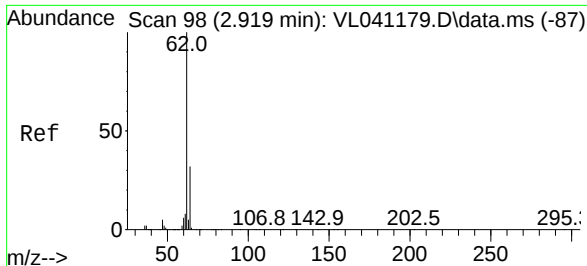
Tgt Ion: 50 Resp: 37307

Ion Ratio Lower Upper

50 100

52 35.8 28.3 42.5

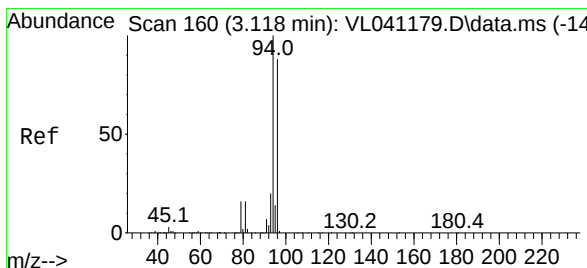
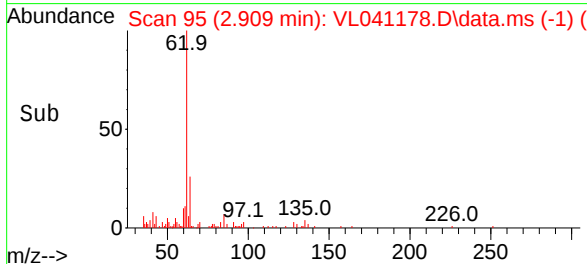
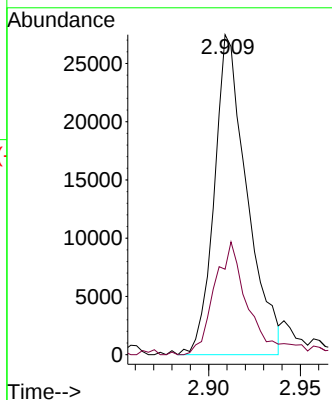
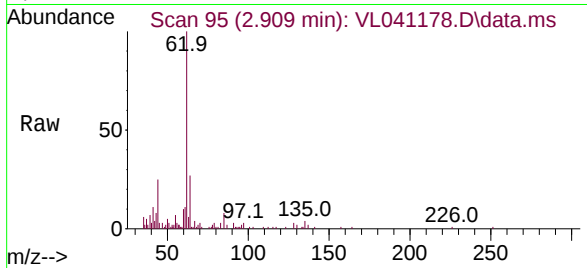




#5
 Vinyl Chloride
 Concen: 0.512 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. -0.010 min
 Lab File: VL041178.D
 Acq: 29 Apr 2024 10:49

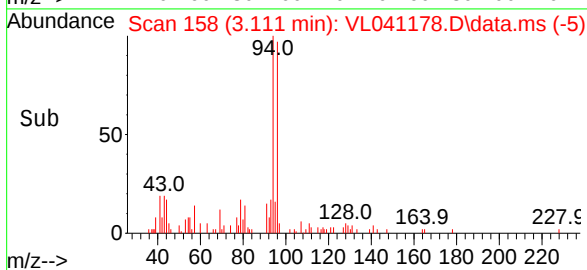
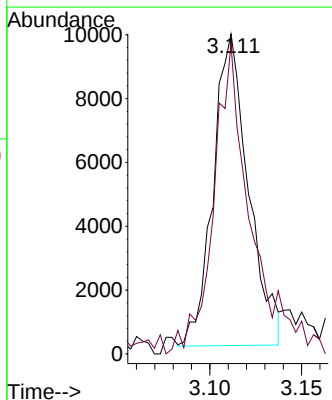
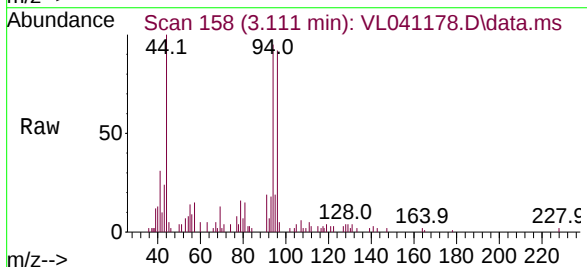
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

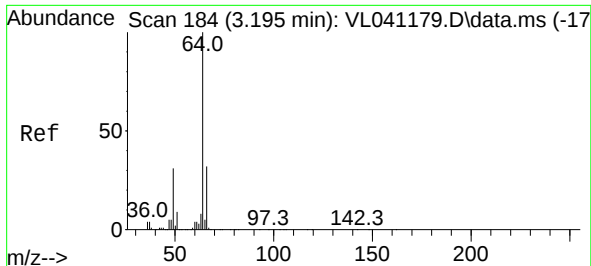
Tgt Ion: 62 Resp: 33984
 Ion Ratio Lower Upper
 62 100
 64 27.2 25.7 38.5



#6
 Bromomethane
 Concen: 0.531 ppbv
 RT: 3.111 min Scan# 158
 Delta R.T. -0.006 min
 Lab File: VL041178.D
 Acq: 29 Apr 2024 10:49

Tgt Ion: 94 Resp: 13054
 Ion Ratio Lower Upper
 94 100
 96 92.2 70.1 105.1

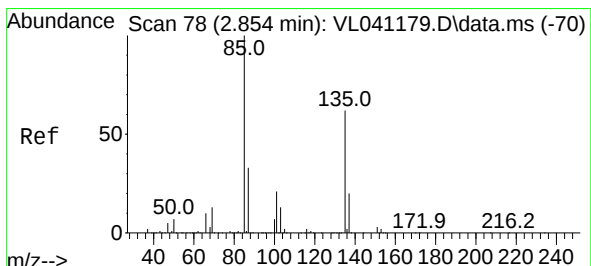
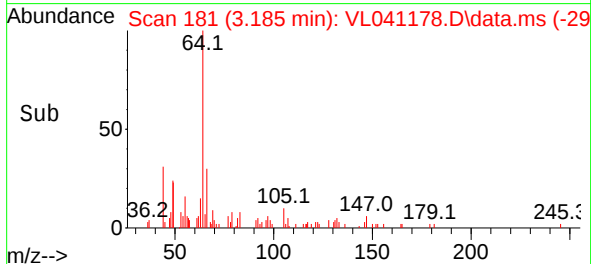
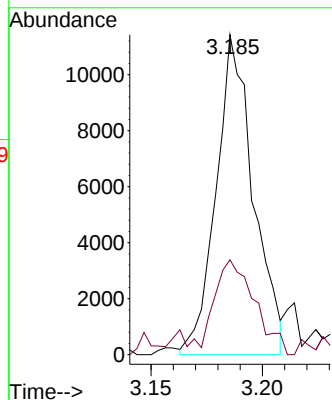
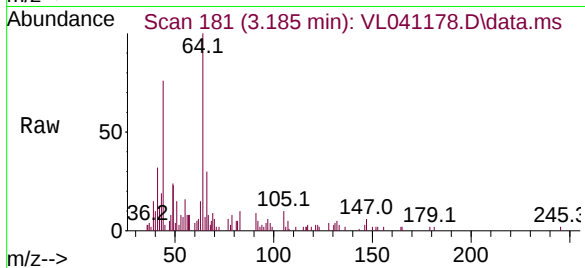




#7
Chloroethane
Concen: 0.551 ppbv
RT: 3.185 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

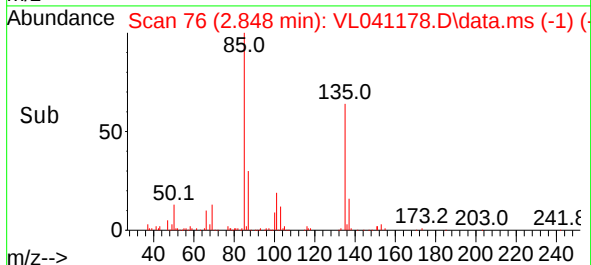
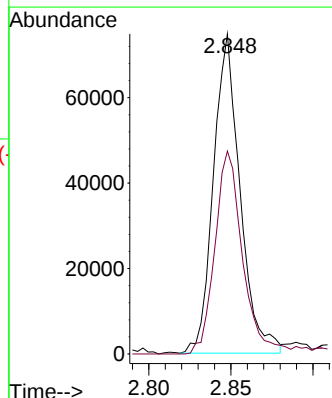
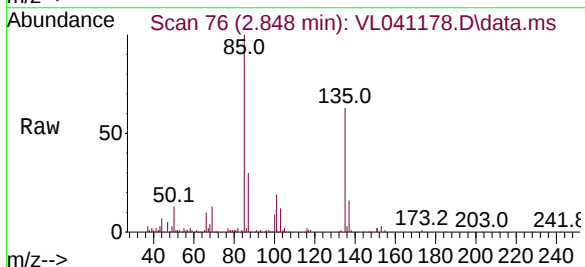
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

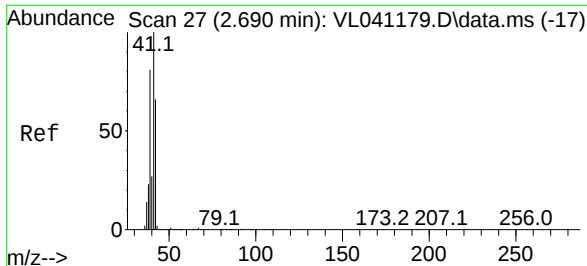
Tgt Ion: 64 Resp: 13271
Ion Ratio Lower Upper
64 100
66 37.2 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 0.534 ppbv
RT: 2.848 min Scan# 76
Delta R.T. -0.006 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

Tgt Ion: 85 Resp: 84194
Ion Ratio Lower Upper
85 100
135 69.0 51.5 77.3





#9

Propene

Concen: 0.558 ppbv

RT: 2.684 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_1

ClientSampleId :

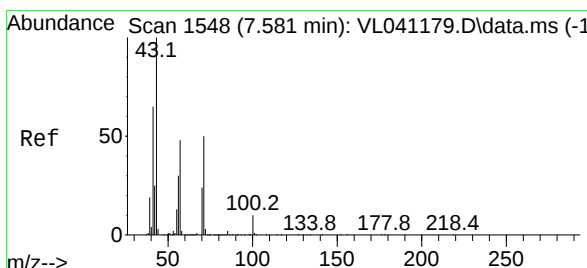
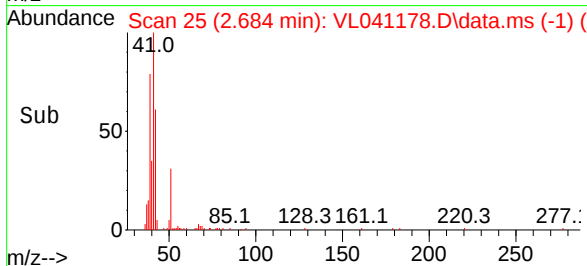
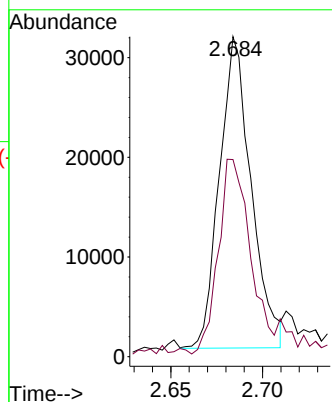
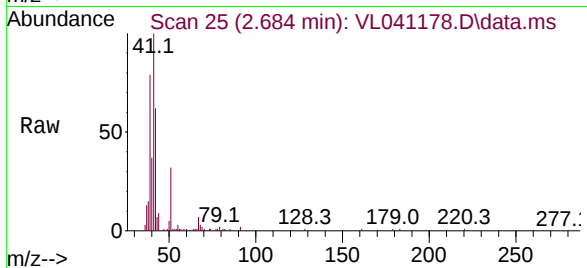
VSTDIC0.5

Tgt Ion: 41 Resp: 37472

Ion Ratio Lower Upper

41 100

42 70.8 55.3 82.9



#10

Heptane

Concen: 0.531 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. -0.010 min

Lab File: VL041178.D

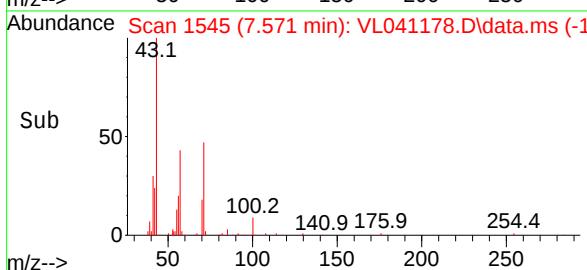
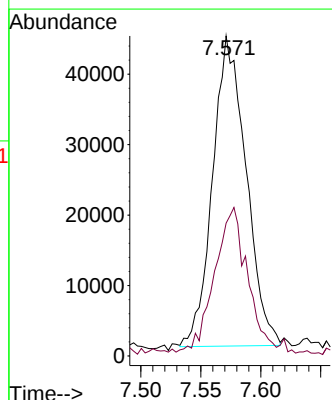
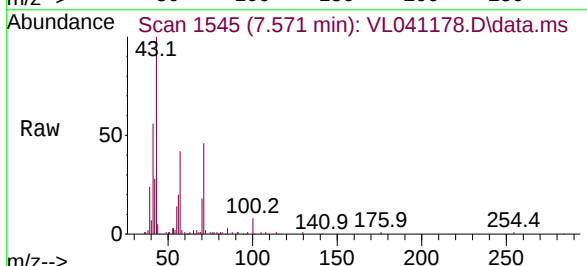
Acq: 29 Apr 2024 10:49

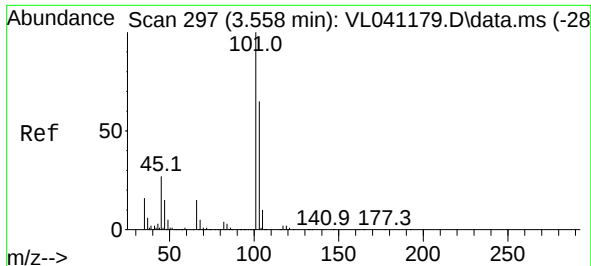
Tgt Ion: 43 Resp: 85369

Ion Ratio Lower Upper

43 100

57 47.3 38.7 58.1





#11

Trichlorofluoromethane

Concen: 0.512 ppbv

RT: 3.552 min Scan# 297

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

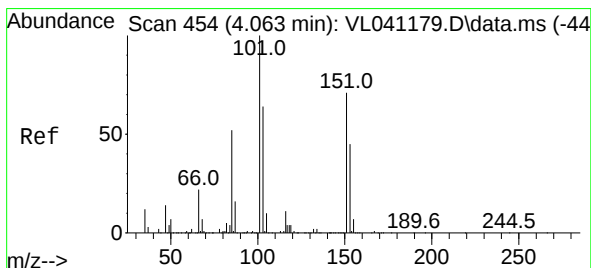
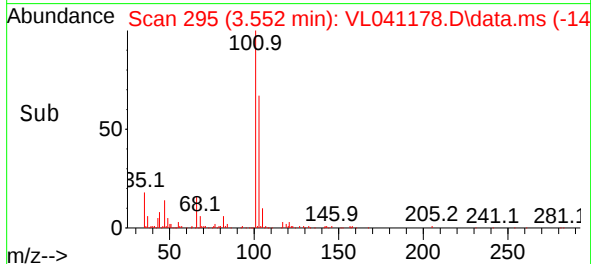
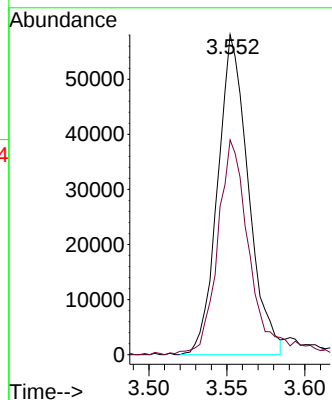
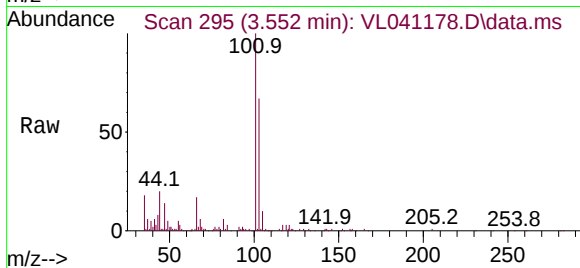
VSTDICC0.5

Tgt Ion:101 Resp: 79385

Ion Ratio Lower Upper

101 100

103 66.1 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.534 ppbv

RT: 4.057 min Scan# 452

Delta R.T. -0.006 min

Lab File: VL041178.D

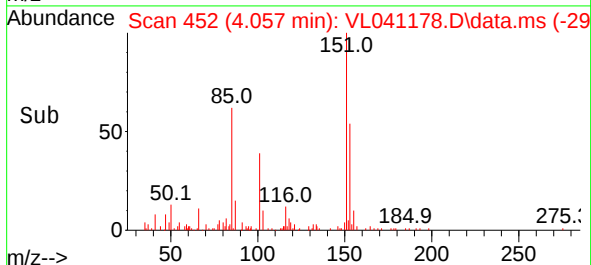
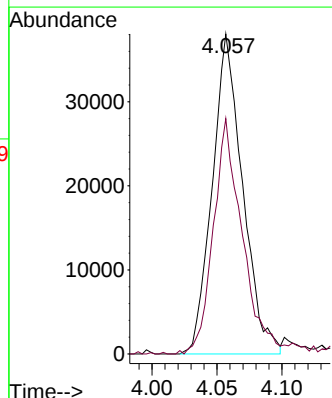
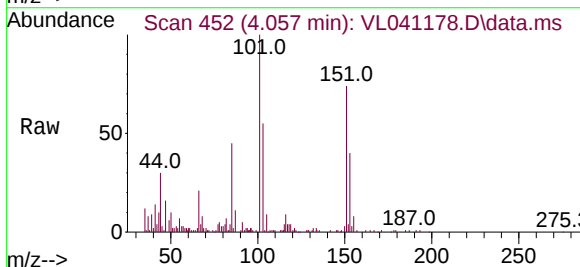
Acq: 29 Apr 2024 10:49

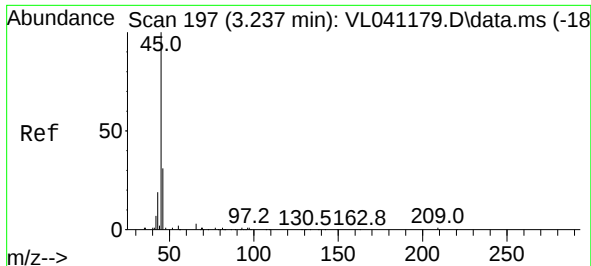
Tgt Ion:101 Resp: 61814

Ion Ratio Lower Upper

101 100

151 72.5 56.8 85.2





#13

Ethanol

Concen: 0.250 ppbv

RT: 3.243 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

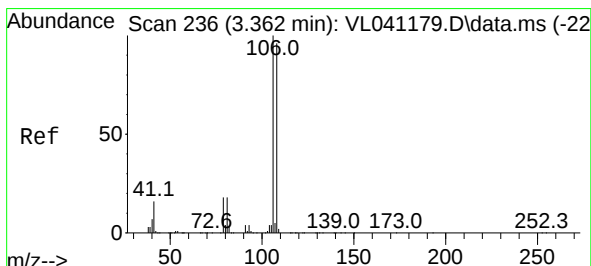
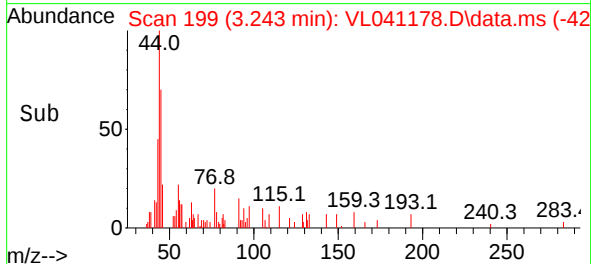
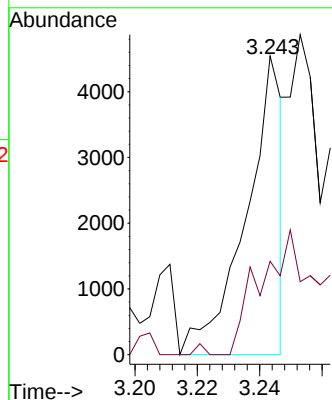
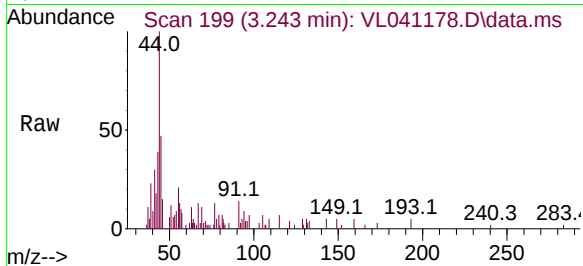
VSTDIC0.5

Tgt Ion: 45 Resp: 3625

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#



#14

Bromoethene

Concen: 0.473 ppbv

RT: 3.356 min Scan# 234

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

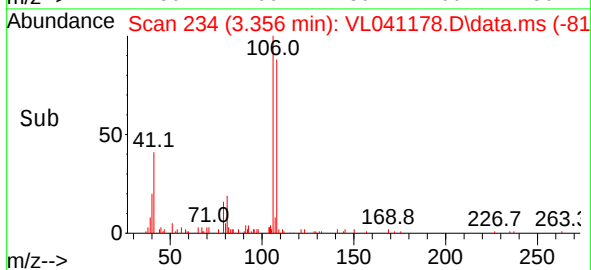
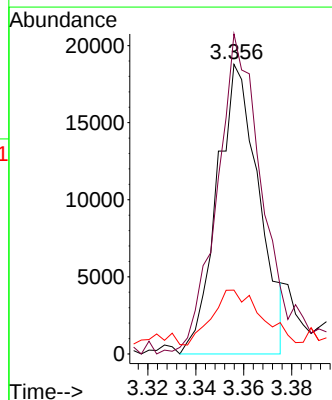
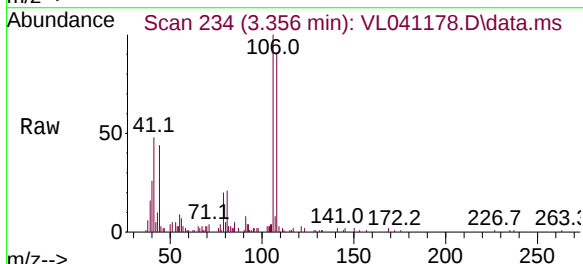
Tgt Ion: 108 Resp: 22825

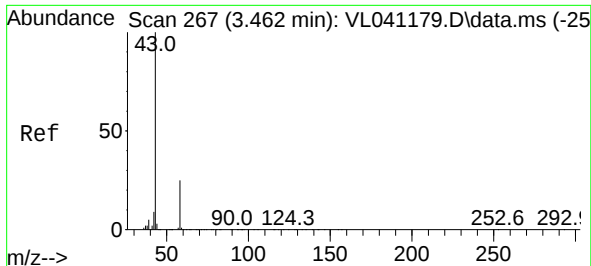
Ion Ratio Lower Upper

108 100

106 134.1 88.2 132.4#

79 26.1 17.4 26.0#





#15

Acetone

Concen: 0.579 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

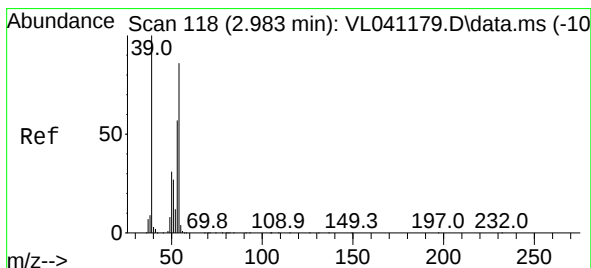
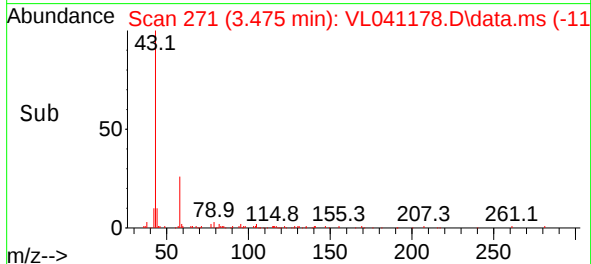
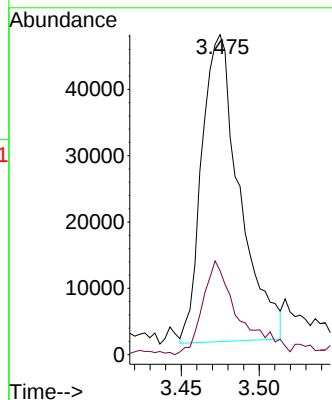
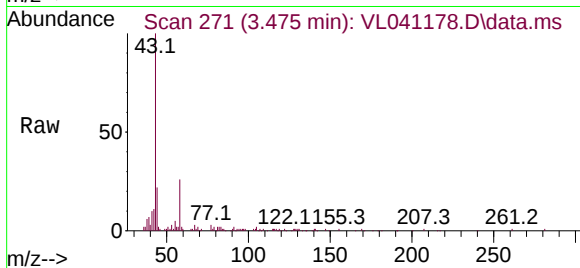
VSTDIC0.5

Tgt Ion: 43 Resp: 77920

Ion Ratio Lower Upper

43 100

58 32.7 21.4 32.0#



#16

1,3-Butadiene

Concen: 0.471 ppbv

RT: 2.976 min Scan# 116

Delta R.T. -0.006 min

Lab File: VL041178.D

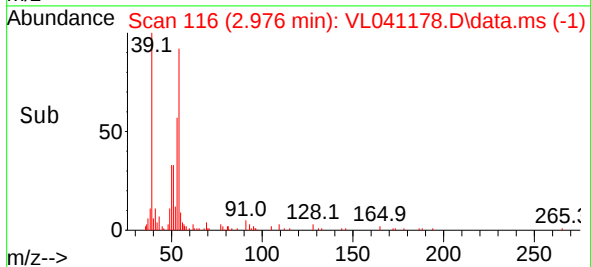
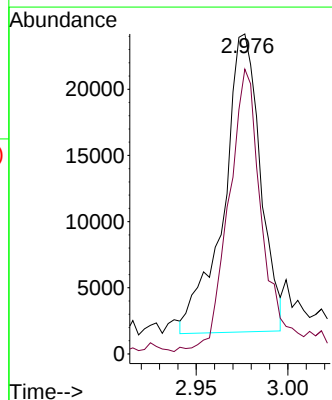
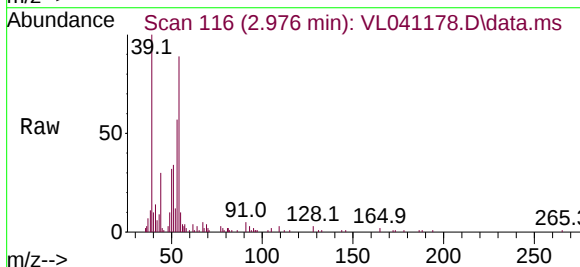
Acq: 29 Apr 2024 10:49

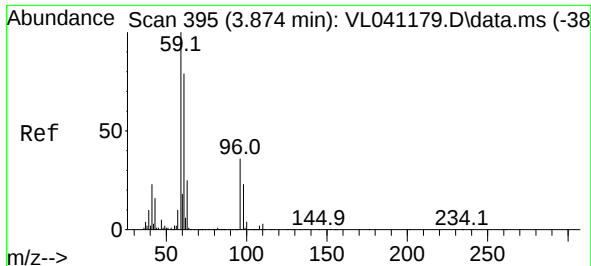
Tgt Ion: 39 Resp: 31528

Ion Ratio Lower Upper

39 100

54 91.3 62.2 93.4





#17

tert-Butyl alcohol

Concen: 0.468 ppbv

RT: 3.880 min Scan# 395

Delta R.T. 0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

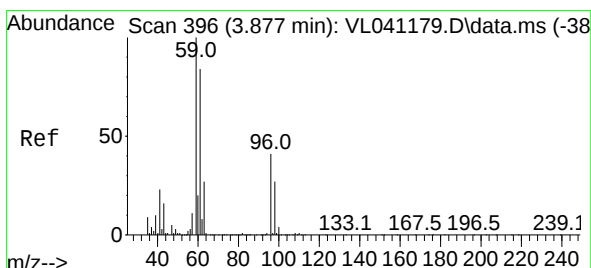
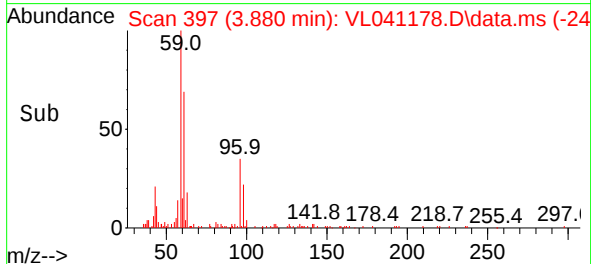
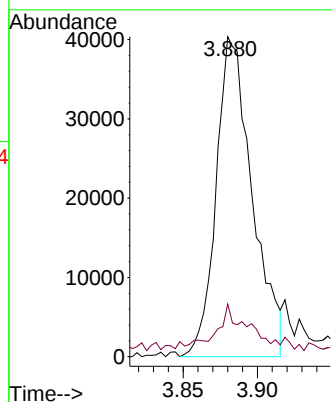
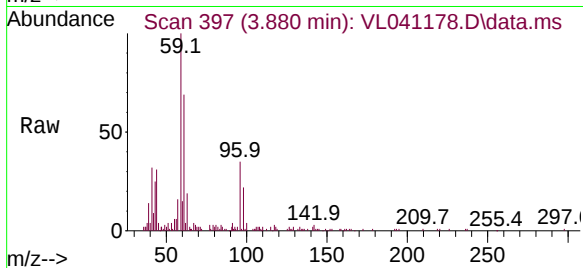
VSTDIC0.5

Tgt Ion: 59 Resp: 68078

Ion Ratio Lower Upper

59 100

57 16.2 8.4 12.6#



#18

1,1-Dichloroethene

Concen: 0.532 ppbv

RT: 3.870 min Scan# 394

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

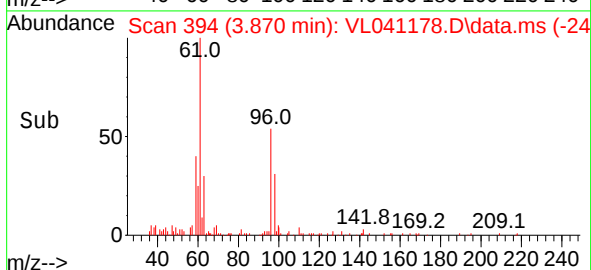
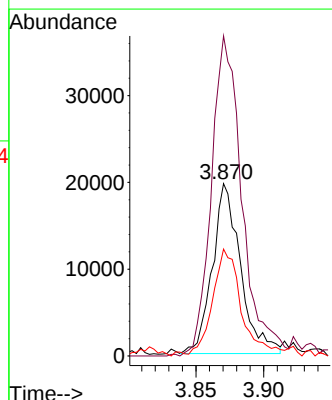
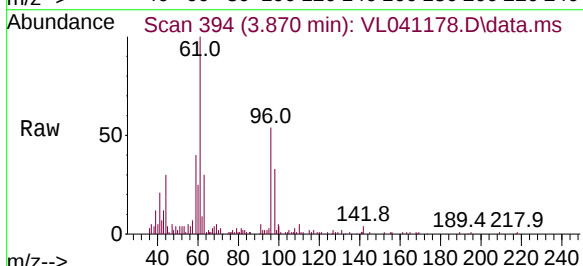
Tgt Ion: 96 Resp: 28245

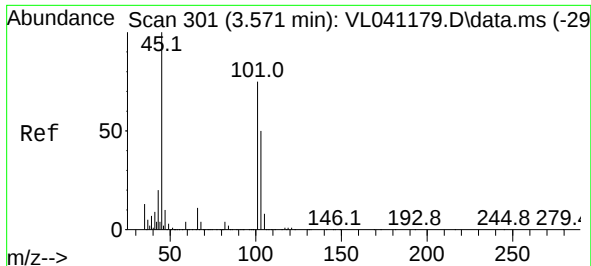
Ion Ratio Lower Upper

96 100

61 188.5 164.4 246.6

98 60.6 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.349 ppbv

RT: 3.581 min Scan# 301

Delta R.T. 0.010 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

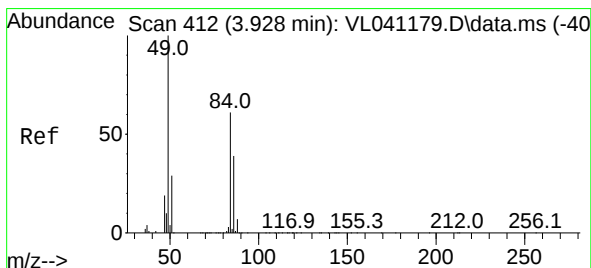
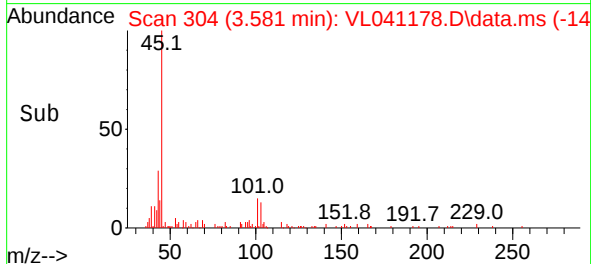
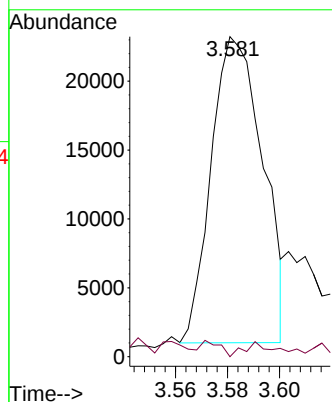
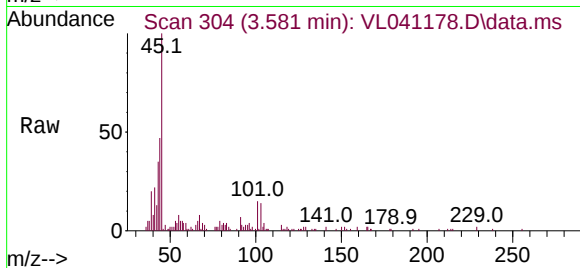
VSTDICC0.5

Tgt Ion: 45 Resp: 30550

Ion Ratio Lower Upper

45 100

58 3.1 26.8 40.2#



#20

Methylene Chloride

Concen: 0.597 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Tgt Ion: 84 Resp: 27917

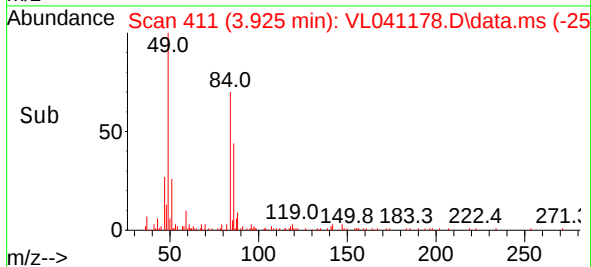
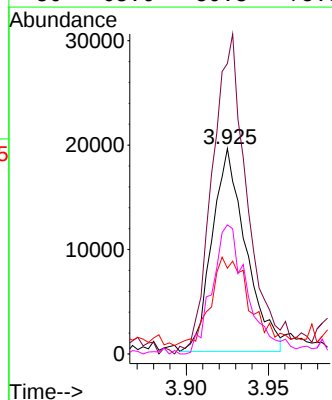
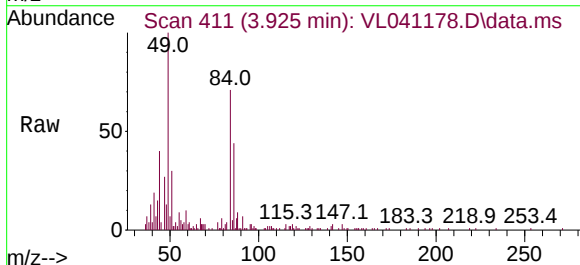
Ion Ratio Lower Upper

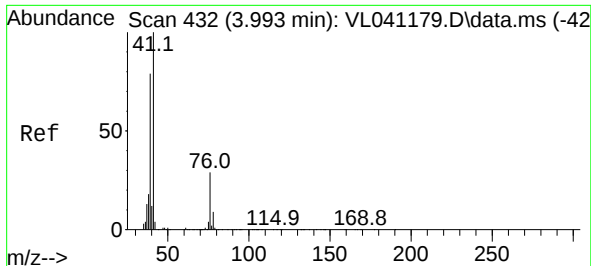
84 100

49 136.4 130.4 195.6

51 39.2 38.0 57.0

86 63.6 50.3 75.5





#21

Allyl Chloride

Concen: 0.556 ppbv

RT: 3.986 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

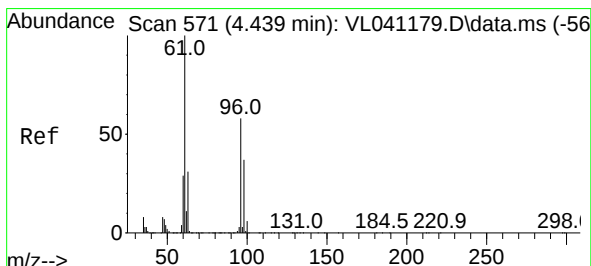
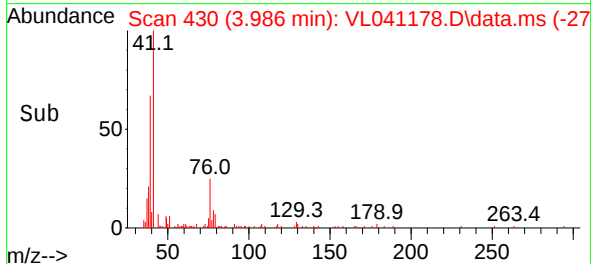
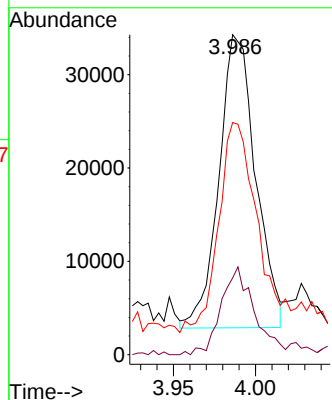
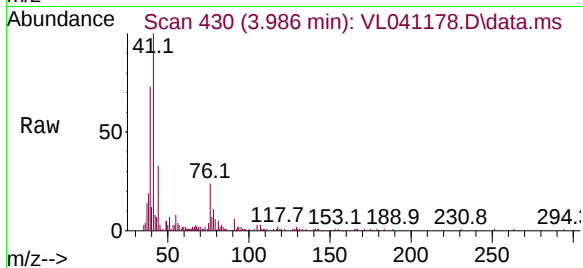
Tgt Ion: 41 Resp: 48808

Ion Ratio Lower Upper

41 100

76 31.1 23.7 35.5

39 88.9 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 0.496 ppbv

RT: 4.439 min Scan# 571

Delta R.T. -0.000 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

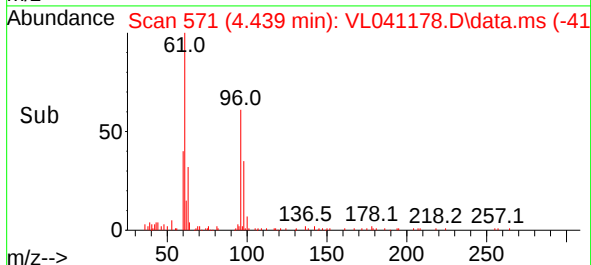
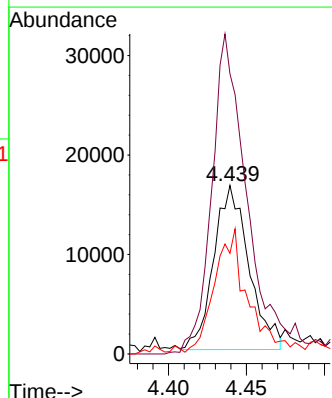
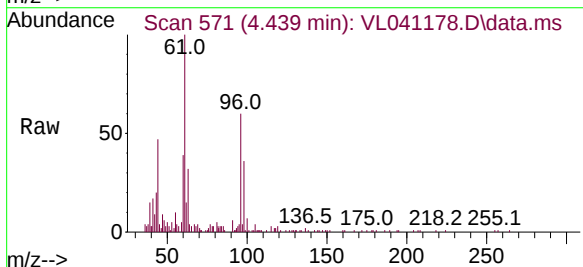
Tgt Ion: 96 Resp: 26013

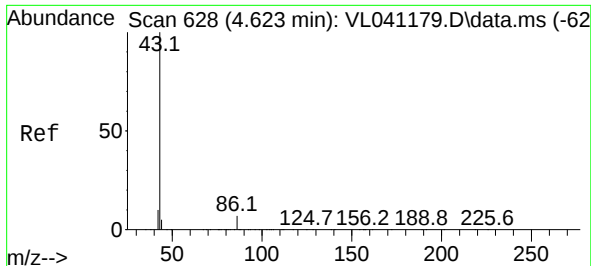
Ion Ratio Lower Upper

96 100

61 170.9 137.6 206.4

98 58.6 50.6 76.0



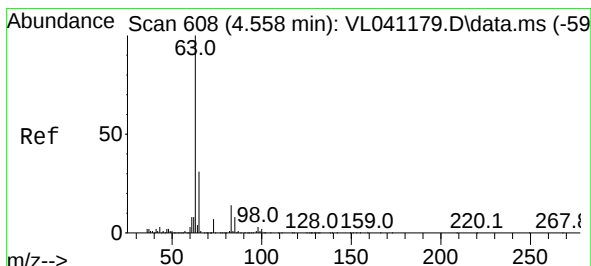
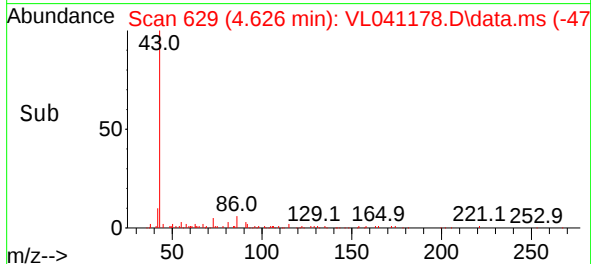
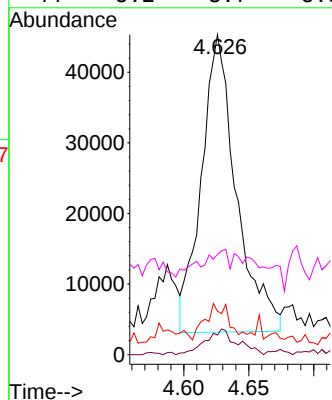
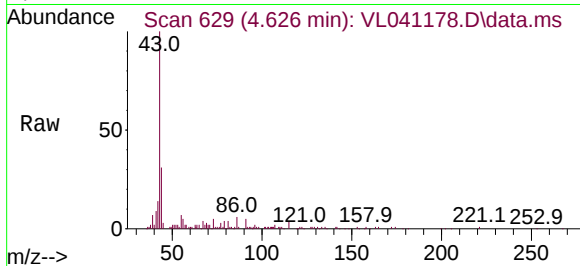


#23
 Vinyl Acetate
 Concen: 0.530 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041178.D
 Acq: 29 Apr 2024 10:49

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 78747

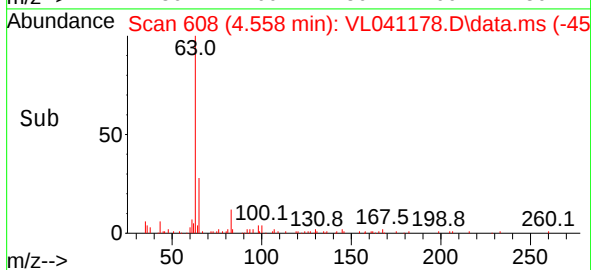
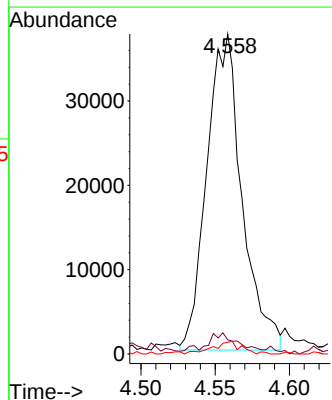
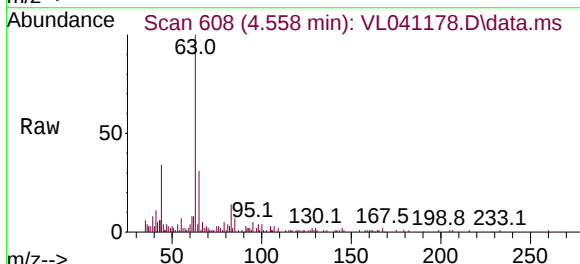
Ion	Ratio	Lower	Upper
43	100		
86	5.9	4.9	7.3
42	9.7	8.0	12.0
44	5.2	3.7	5.5

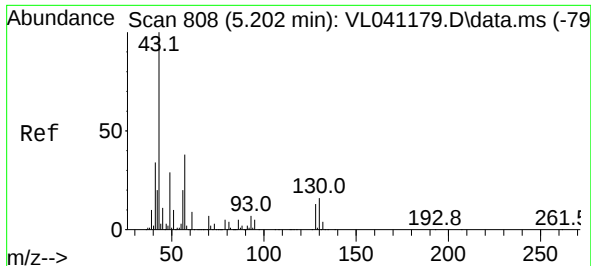


#24
 1,1-Dichloroethane
 Concen: 0.541 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. -0.000 min
 Lab File: VL041178.D
 Acq: 29 Apr 2024 10:49

Tgt Ion: 63 Resp: 61911

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.6	4.8
100	3.7	1.1	3.5





#25

Ethyl Acetate

Concen: 0.512 ppbv

RT: 5.205 min Scan# 80

Delta R.T. 0.003 min

Lab File: VL041178.D

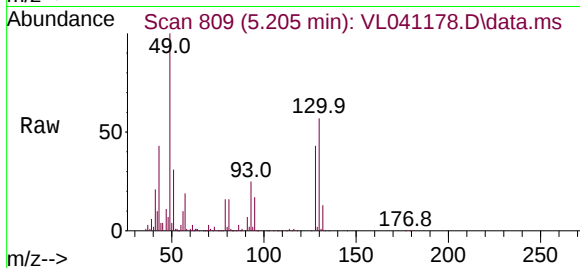
Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion: 43 Resp: 135253

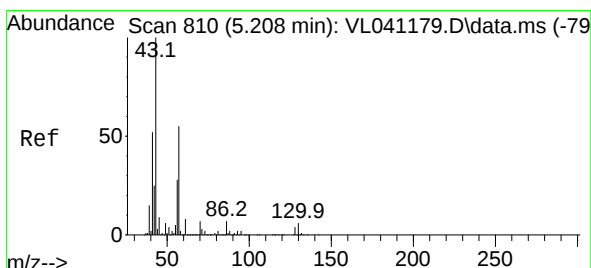
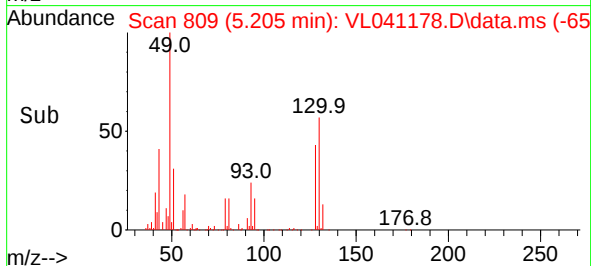
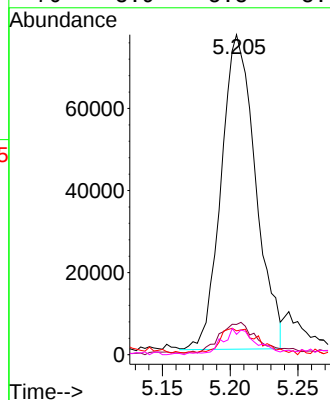
Ion Ratio Lower Upper

43 100

45 11.6 8.2 12.2

61 9.9 7.7 11.5

70 8.9 5.8 8.6#



#26

Hexane

Concen: 0.511 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.000 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Tgt Ion: 57 Resp: 59773

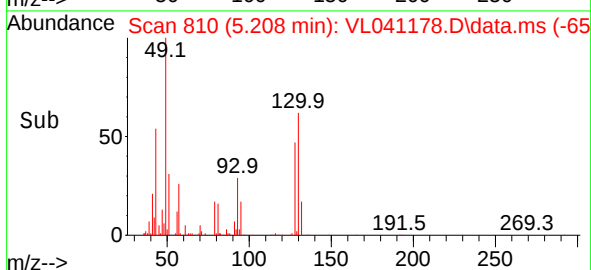
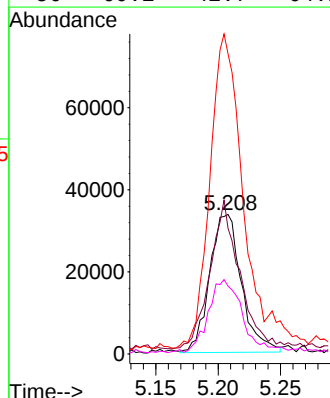
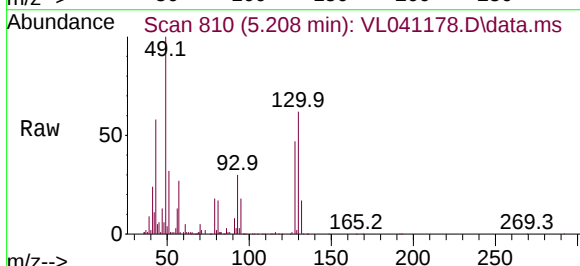
Ion Ratio Lower Upper

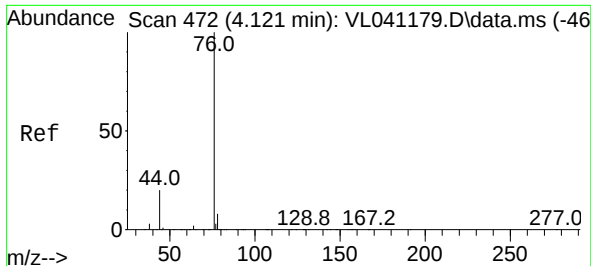
57 100

41 105.2 75.8 113.8

43 258.9 187.0 280.4

56 60.2 42.7 64.1

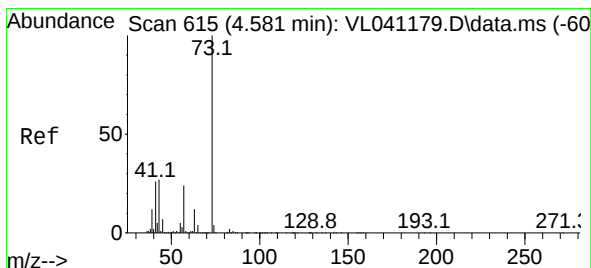
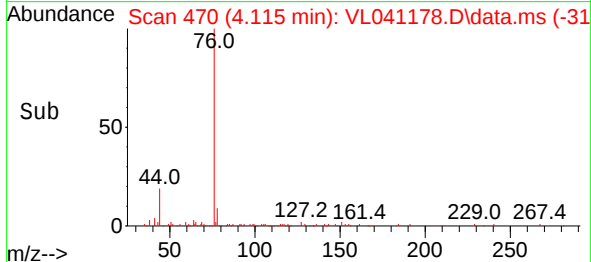
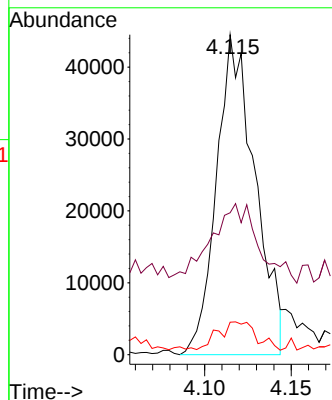
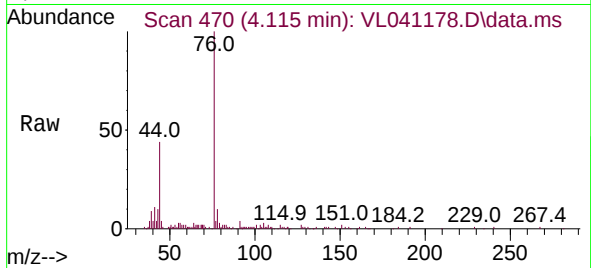




#27
Carbon Disulfide
Concen: 0.496 ppbv
RT: 4.115 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

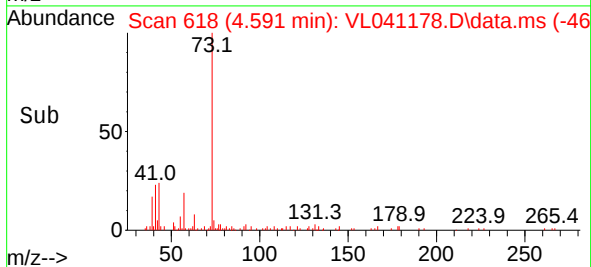
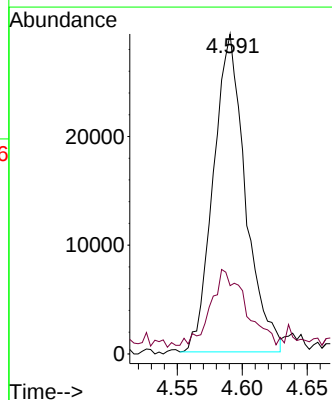
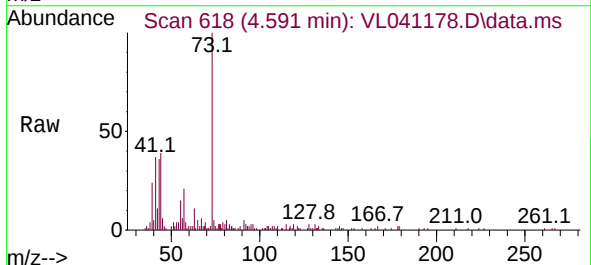
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

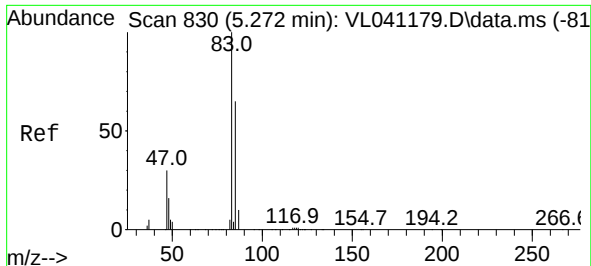
Tgt Ion: 76 Resp: 68745
Ion Ratio Lower Upper
76 100
44 25.1 16.3 24.5#
78 9.4 7.3 10.9



#28
Methyl tert-Butyl Ether
Concen: 0.528 ppbv
RT: 4.591 min Scan# 618
Delta R.T. 0.010 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

Tgt Ion: 73 Resp: 50217
Ion Ratio Lower Upper
73 100
57 33.8 18.8 28.2#





#29

Chloroform

Concen: 0.524 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

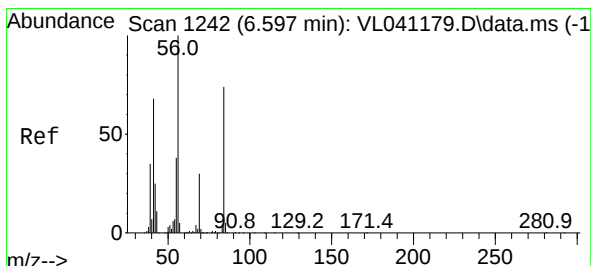
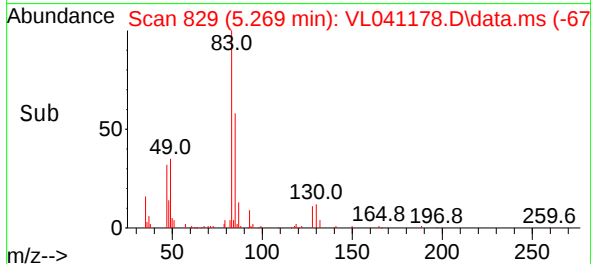
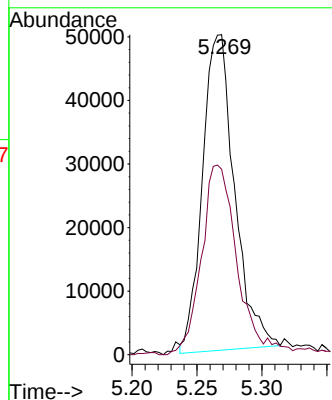
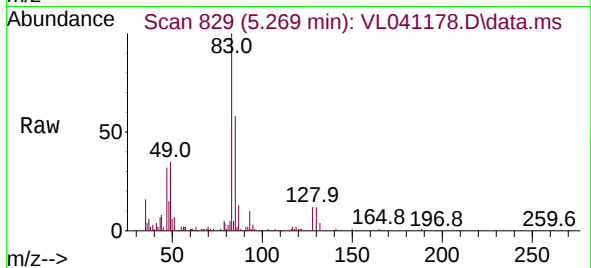
VSTDIC0.5

Tgt Ion: 83 Resp: 85566

Ion Ratio Lower Upper

83 100

85 57.0 51.7 77.5



#30

Cyclohexane

Concen: 0.030 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

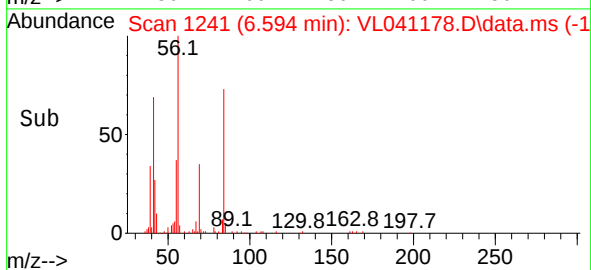
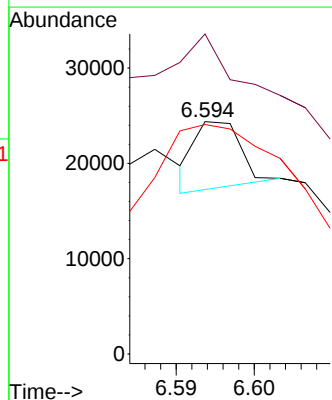
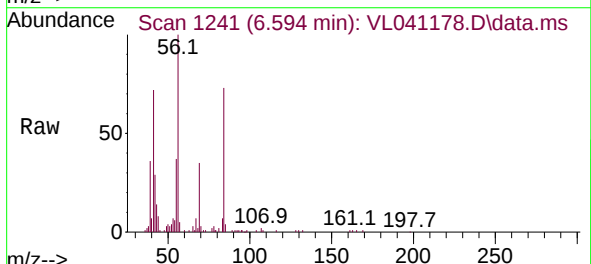
Tgt Ion: 84 Resp: 2873

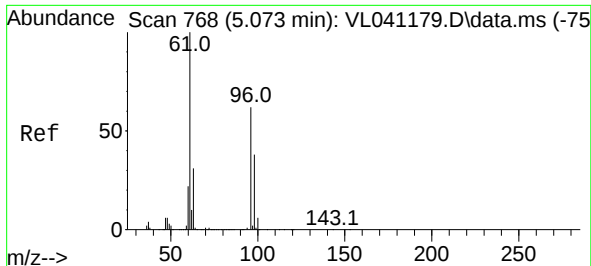
Ion Ratio Lower Upper

84 100

56 2462.5 116.8 175.2#

41 1715.6 73.8 110.8#





#31

cis-1,2-Dichloroethene

Concen: 0.515 ppbv

RT: 5.070 min Scan# 768

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

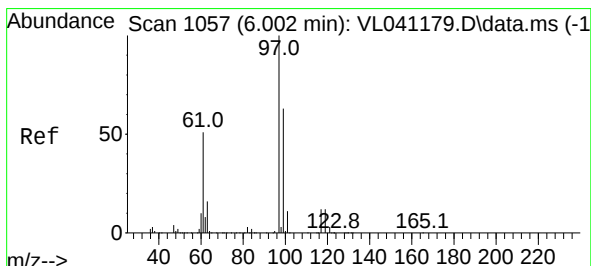
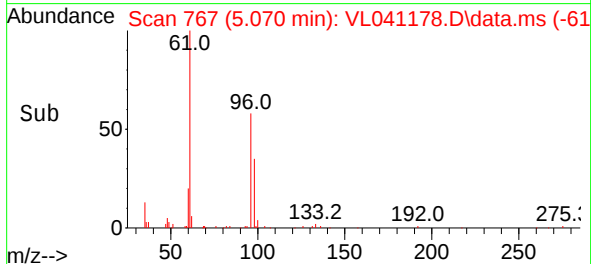
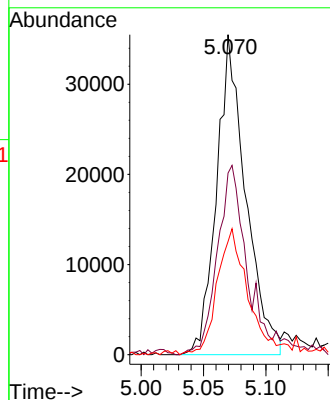
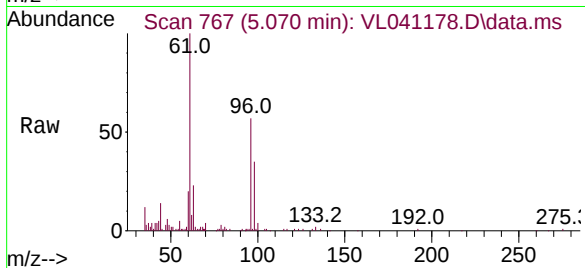
Tgt Ion: 61 Resp: 57667

Ion Ratio Lower Upper

61 100

96 56.7 49.8 74.6

98 35.3 30.0 45.0



#32

1,1,1-Trichloroethane

Concen: 0.530 ppbv

RT: 5.996 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

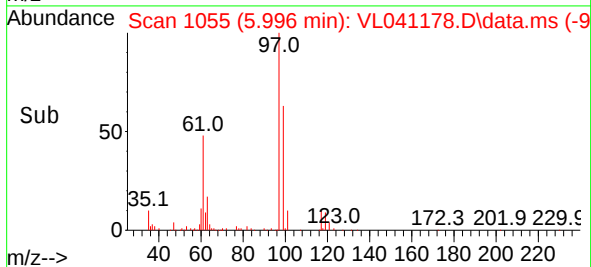
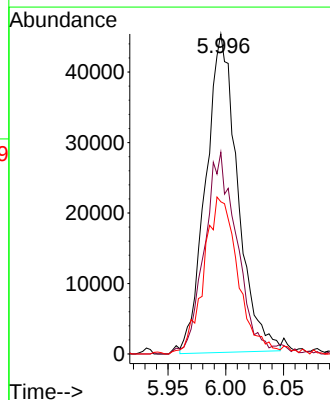
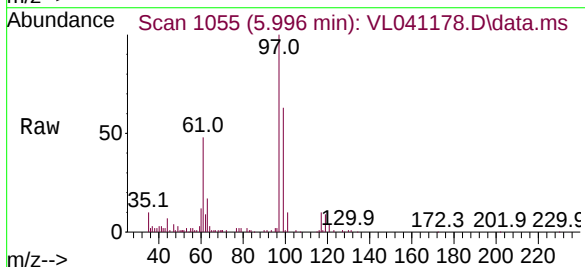
Tgt Ion: 97 Resp: 86802

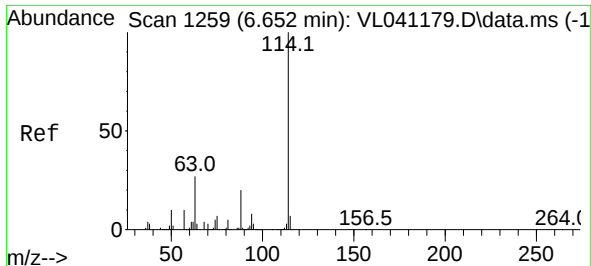
Ion Ratio Lower Upper

97 100

99 65.9 51.7 77.5

61 54.0 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

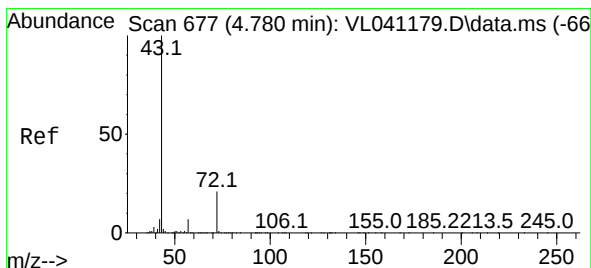
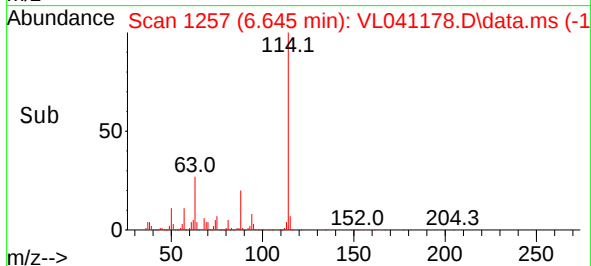
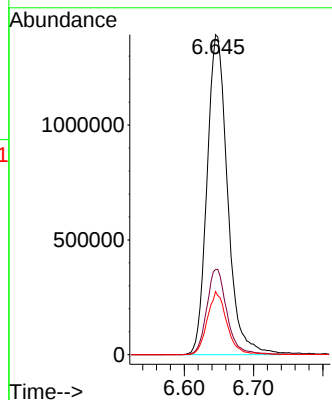
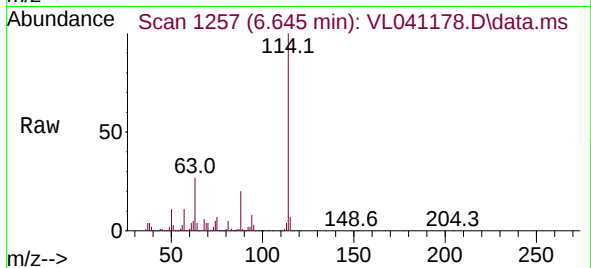
Tgt Ion:114 Resp: 2868001

Ion Ratio Lower Upper

114 100

63 26.5 21.8 32.6

88 18.9 15.2 22.8



#34

2-Butanone

Concen: 0.445 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL041178.D

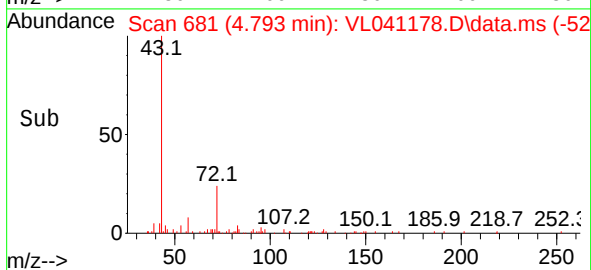
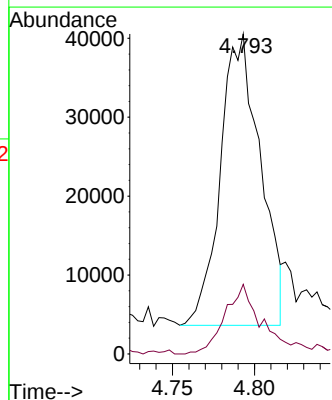
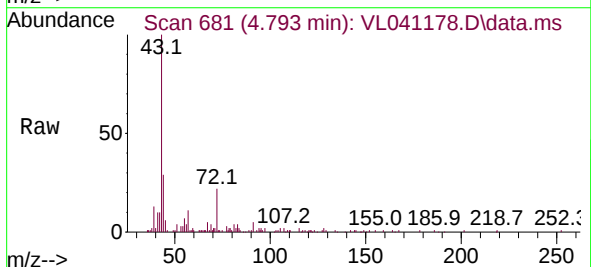
Acq: 29 Apr 2024 10:49

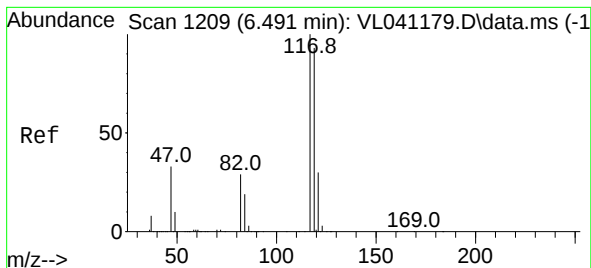
Tgt Ion: 43 Resp: 62420

Ion Ratio Lower Upper

43 100

72 25.0 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.534 ppbv

RT: 6.488 min Scan# 1170

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

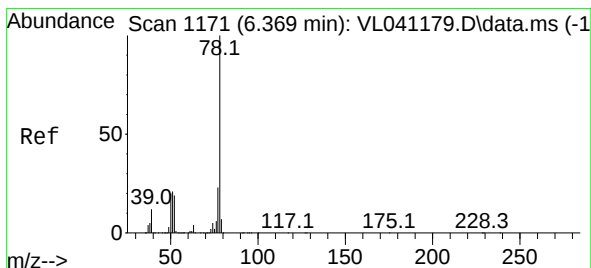
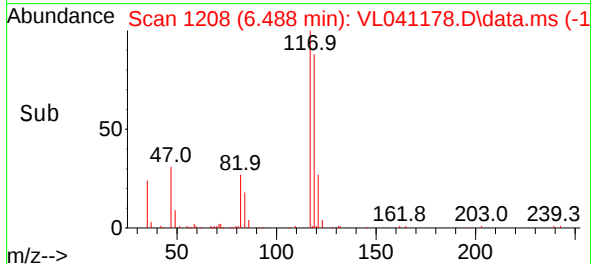
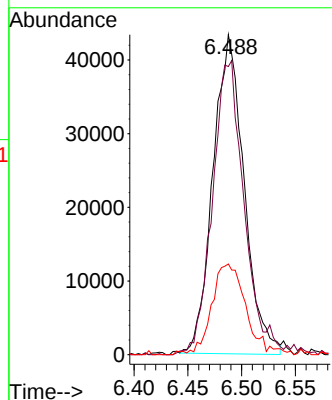
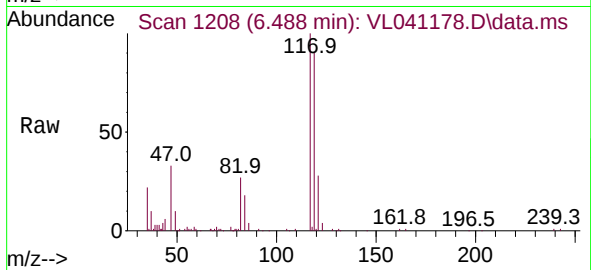
Tgt Ion:117 Resp: 86968

Ion Ratio Lower Upper

117 100

119 89.4 74.3 111.5

121 27.6 23.8 35.8



#36

Benzene

Concen: 0.512 ppbv

RT: 6.365 min Scan# 1170

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

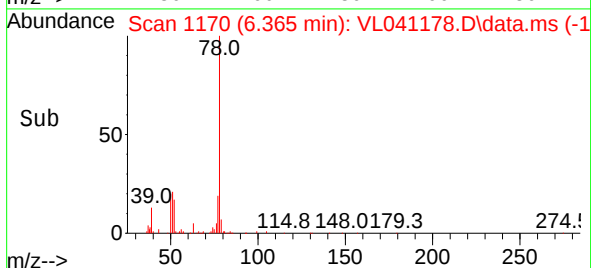
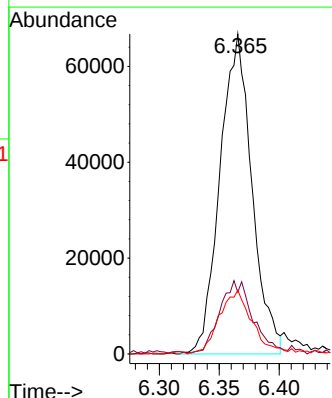
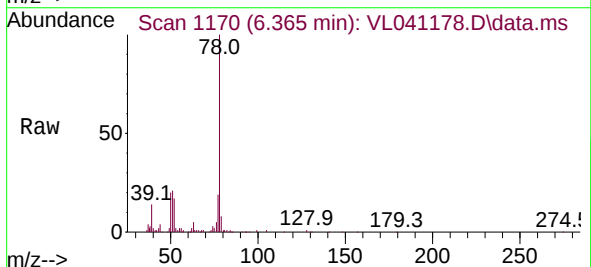
Tgt Ion: 78 Resp: 123516

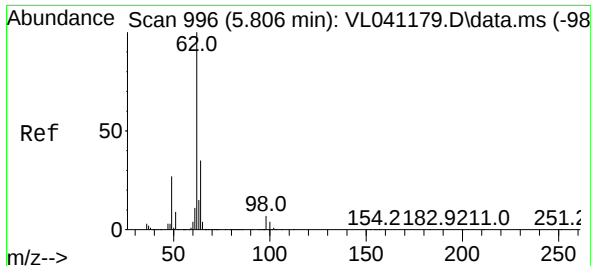
Ion Ratio Lower Upper

78 100

77 18.6 18.3 27.5

50 19.2 15.9 23.9





#37

1,2-Dichloroethane

Concen: 0.512 ppbv

RT: 5.803 min Scan# 996

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_1

ClientSampleId :

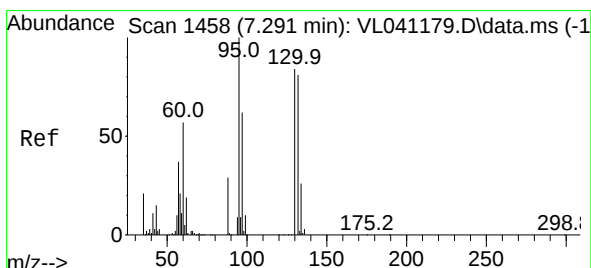
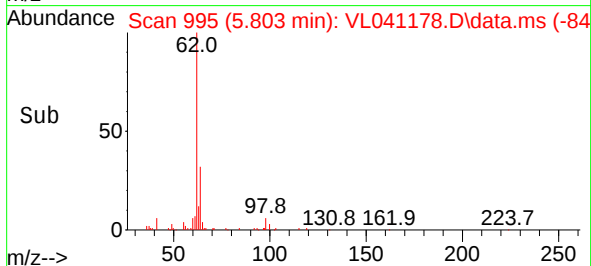
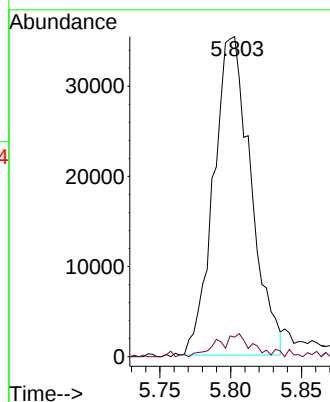
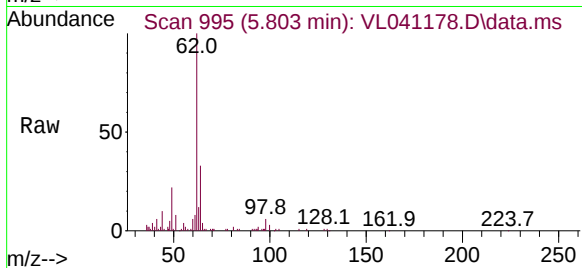
VSTDIC0.5

Tgt Ion: 62 Resp: 64600

Ion Ratio Lower Upper

62 100

98 8.9 5.0 7.4#



#38

Trichloroethene

Concen: 0.511 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Tgt Ion:130 Resp: 46554

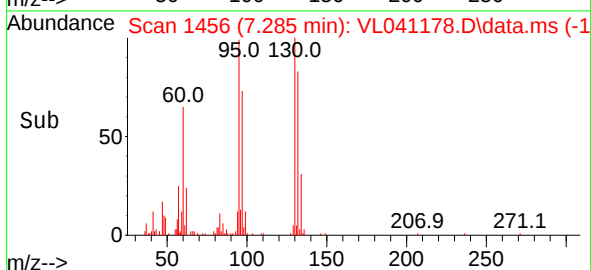
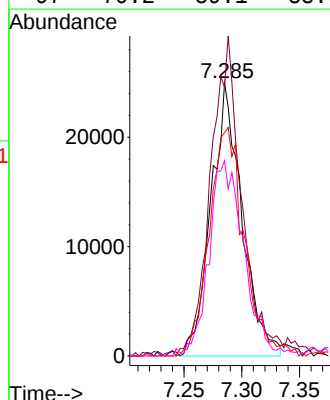
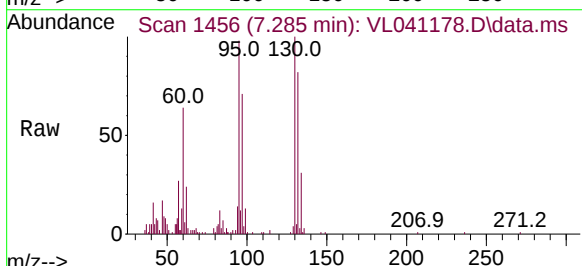
Ion Ratio Lower Upper

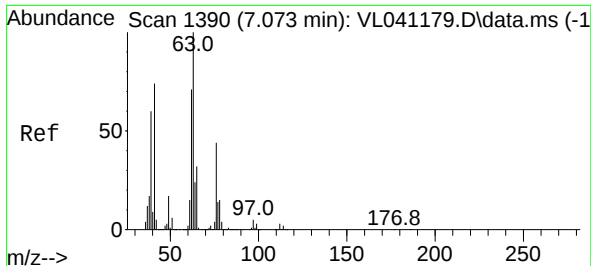
130 100

95 95.7 95.0 142.6

132 81.0 77.0 115.4

97 70.2 59.1 88.7





#39

1,2-Dichloropropane

Concen: 0.510 ppbv

RT: 7.066 min Scan# 1458

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

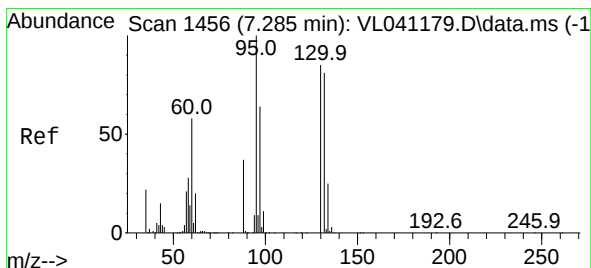
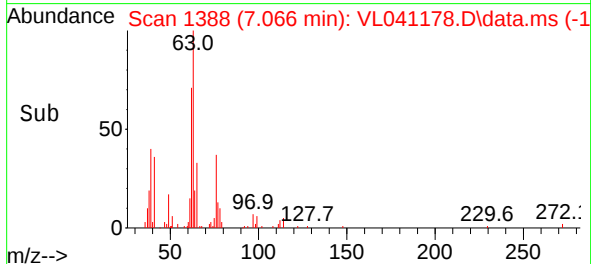
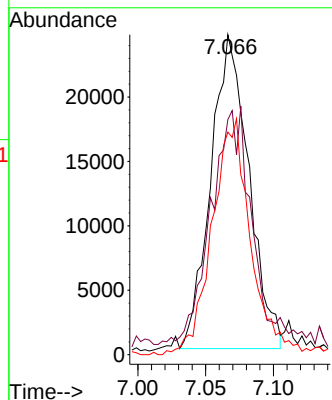
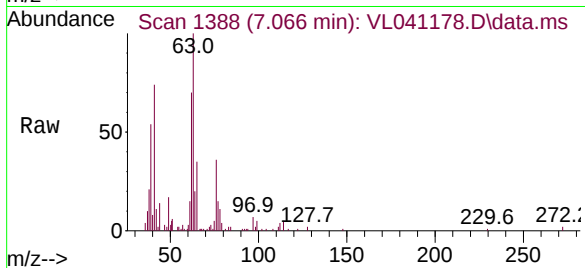
Tgt Ion: 63 Resp: 47513

Ion Ratio Lower Upper

63 100

41 69.4 59.4 89.0

62 68.6 56.8 85.2



#40

1,4-Dioxane

Concen: 0.026 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Tgt Ion: 88 Resp: 870

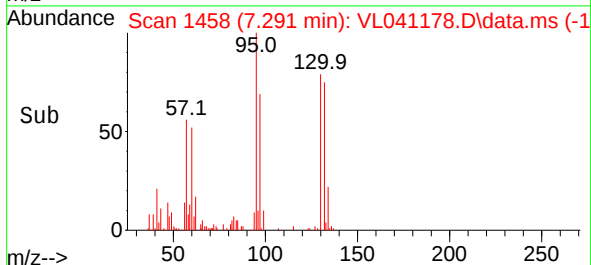
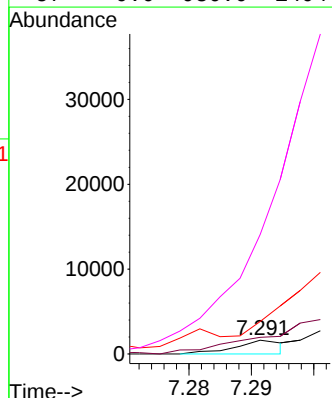
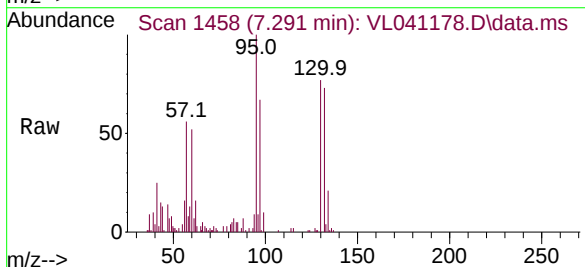
Ion Ratio Lower Upper

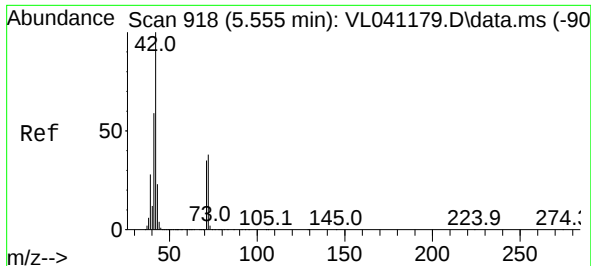
88 100

58 0.0 106.1 159.1#

43 0.0 219.8 329.6#

57 0.0 936.0 1404.0#





#41

Tetrahydrofuran

Concen: 0.507 ppbv

RT: 5.574 min Scan# 918

Delta R.T. 0.019 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

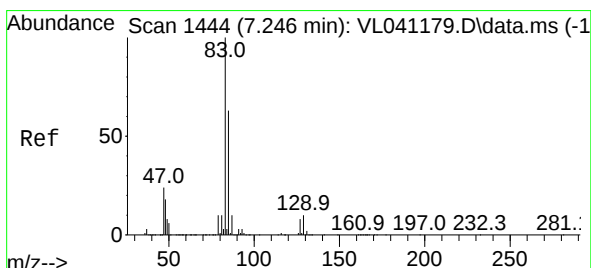
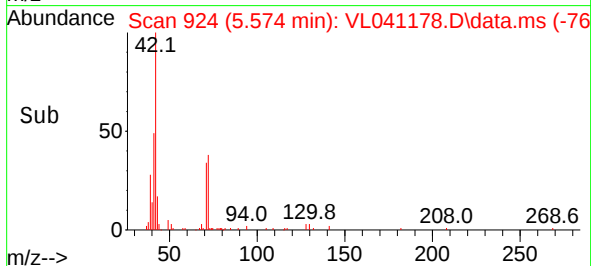
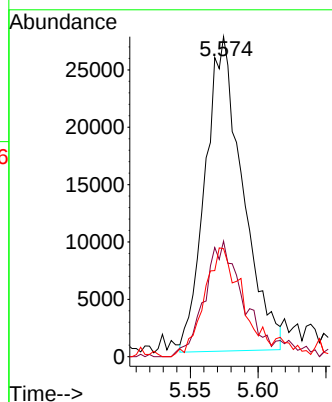
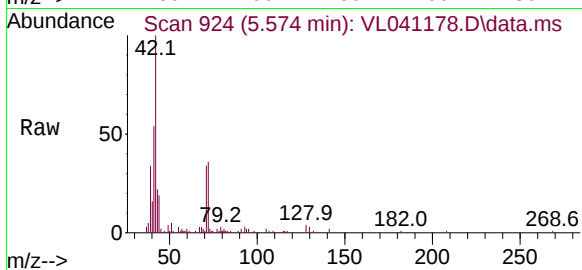
Tgt Ion: 42 Resp: 52608

Ion Ratio Lower Upper

42 100

72 40.9 29.4 44.0

71 40.1 29.1 43.7



#42

Bromodichloromethane

Concen: 0.518 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

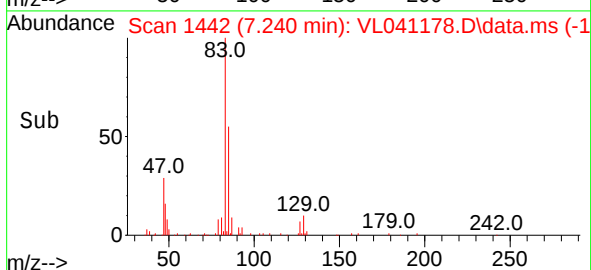
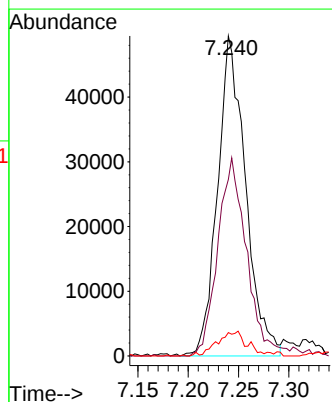
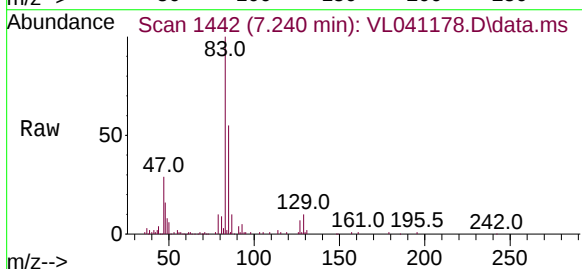
Tgt Ion: 83 Resp: 95551

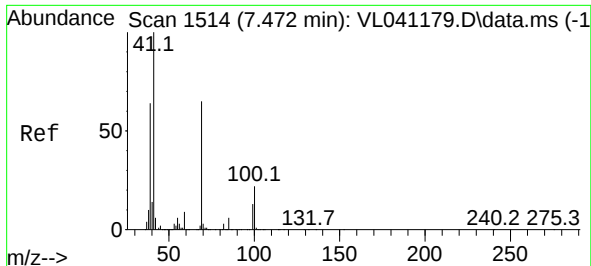
Ion Ratio Lower Upper

83 100

85 55.2 50.6 75.8

127 7.3 6.2 9.4





#43

Methyl Methacrylate

Concen: 0.217 ppbv

RT: 7.468 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

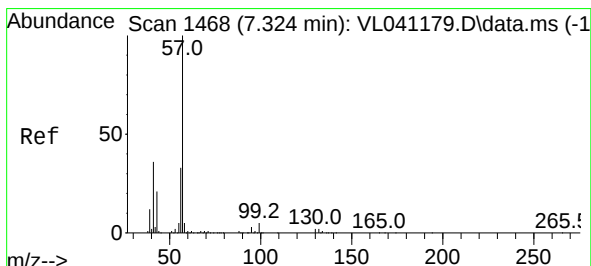
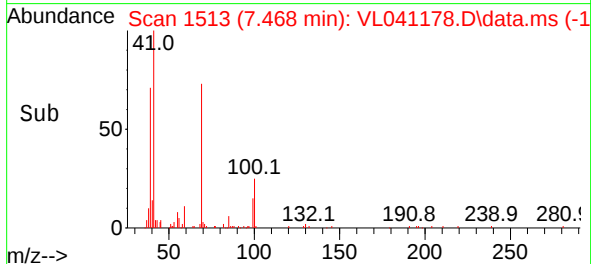
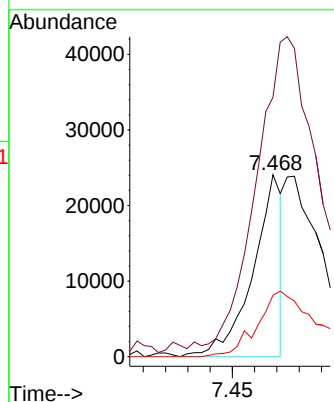
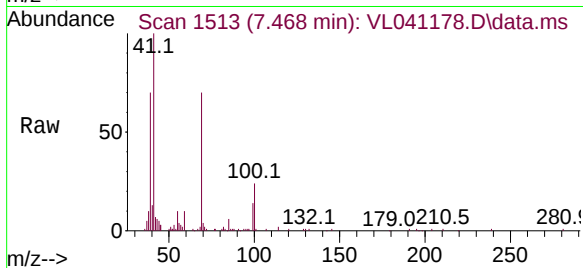
Tgt Ion: 69 Resp: 21533

Ion Ratio Lower Upper

69 100

41 0.0 125.2 187.8#

100 0.0 26.7 40.1#



#44

2,2,4-Trimethylpentane

Concen: 0.533 ppbv

RT: 7.324 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

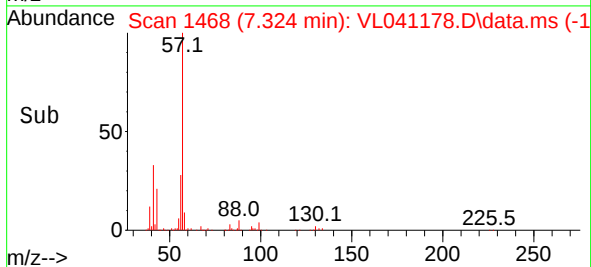
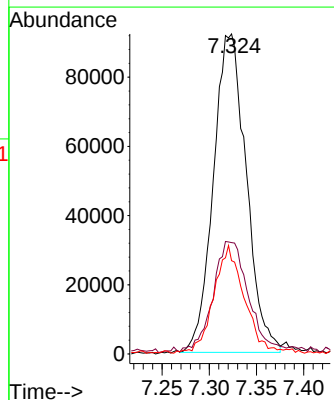
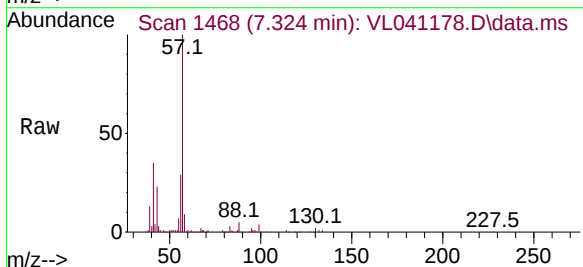
Tgt Ion: 57 Resp: 222720

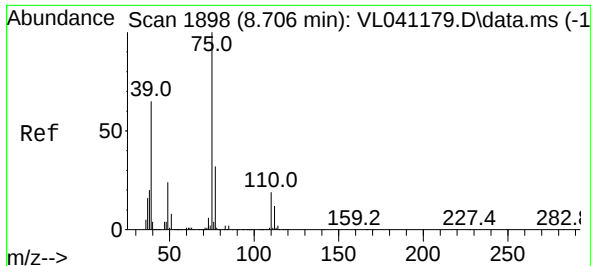
Ion Ratio Lower Upper

57 100

41 37.9 29.5 44.3

56 32.0 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 0.251 ppbv

RT: 8.700 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

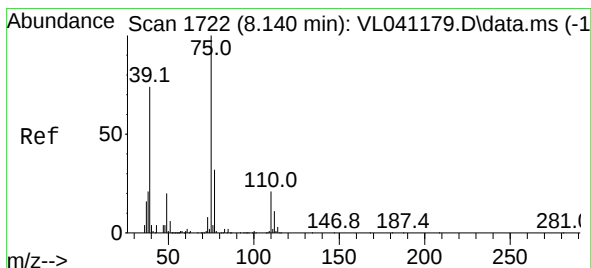
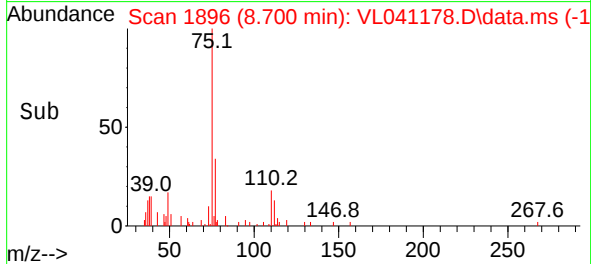
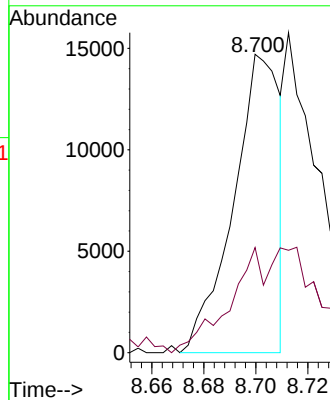
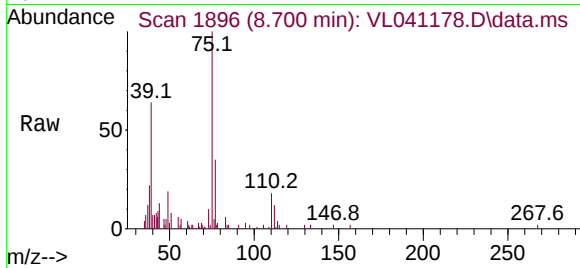
VSTDICC0.5

Tgt Ion: 75 Resp: 18184

Ion Ratio Lower Upper

75 100

77 35.2 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.517 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

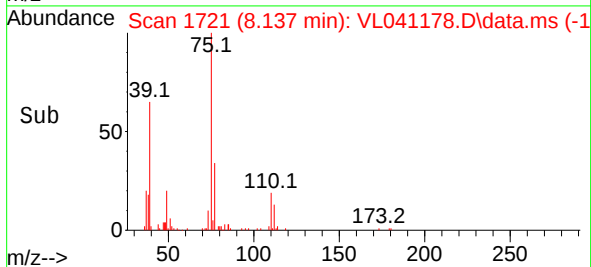
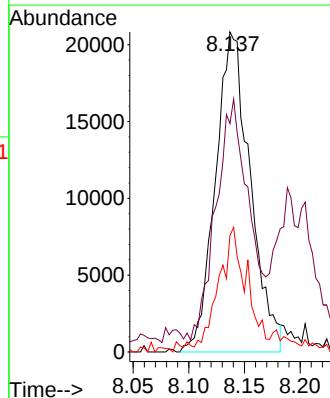
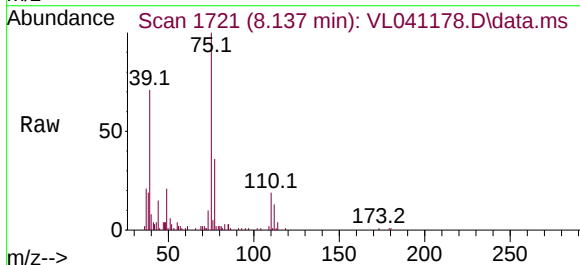
Tgt Ion: 75 Resp: 45351

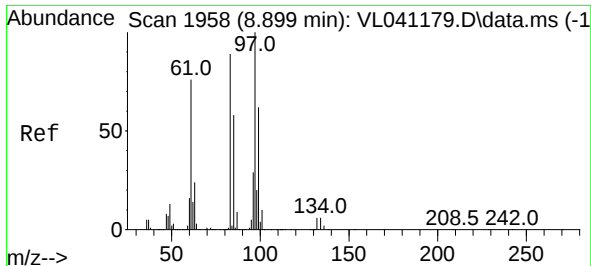
Ion Ratio Lower Upper

75 100

39 65.5 59.4 89.2

77 34.4 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 0.513 ppbv

RT: 8.896 min Scan# 1957

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 47606

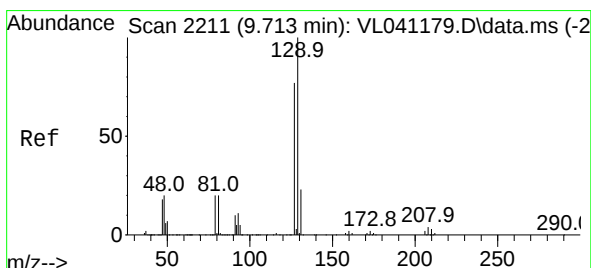
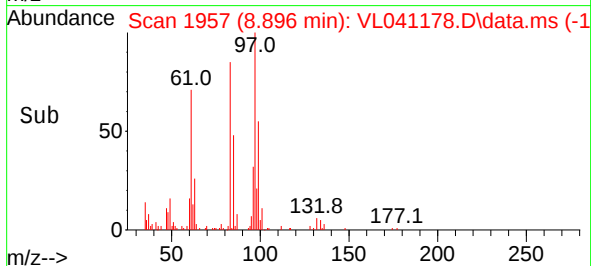
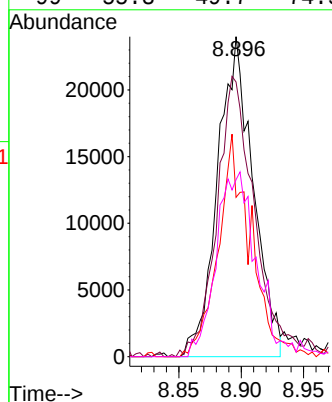
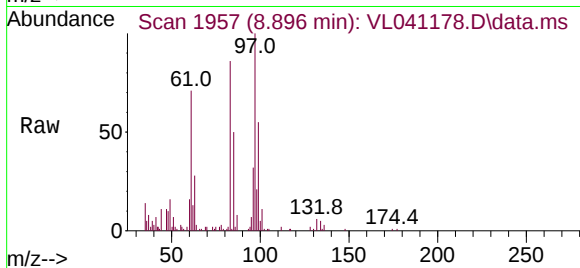
Ion Ratio Lower Upper

97 100

83 83.8 71.2 106.8

85 49.8 46.0 69.0

99 55.3 49.7 74.5



#48

Dibromochloromethane

Concen: 0.493 ppbv

RT: 9.706 min Scan# 2209

Delta R.T. -0.006 min

Lab File: VL041178.D

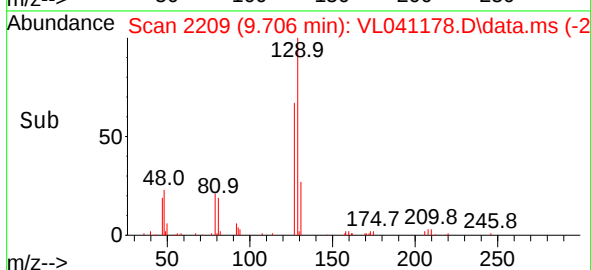
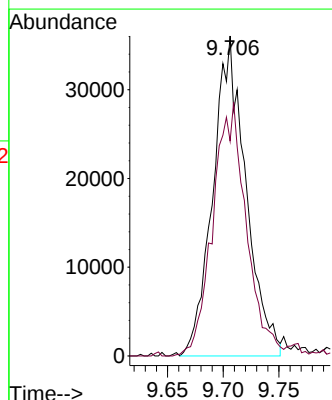
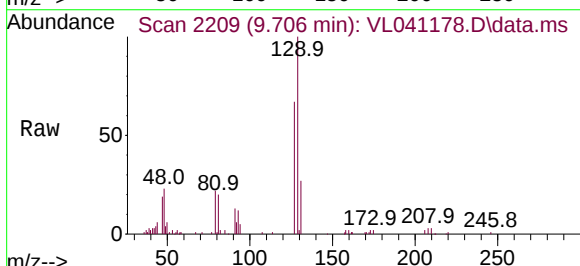
Acq: 29 Apr 2024 10:49

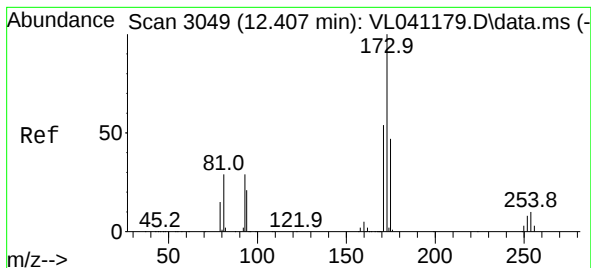
Tgt Ion: 129 Resp: 74025

Ion Ratio Lower Upper

129 100

127 82.7 39.1 117.5





#49

Bromoform

Concen: 0.489 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

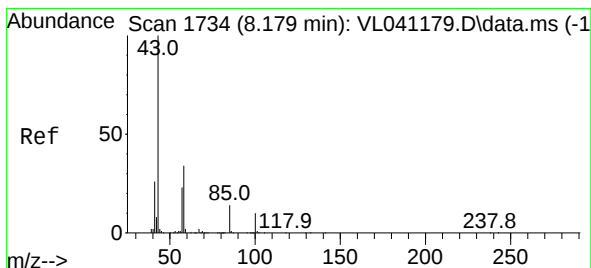
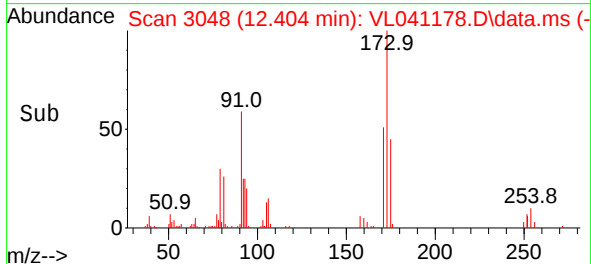
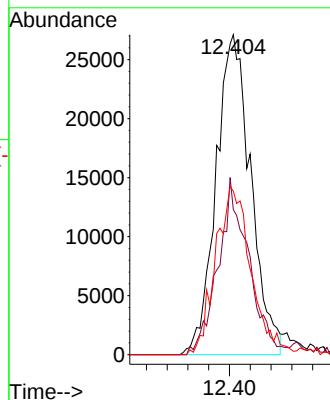
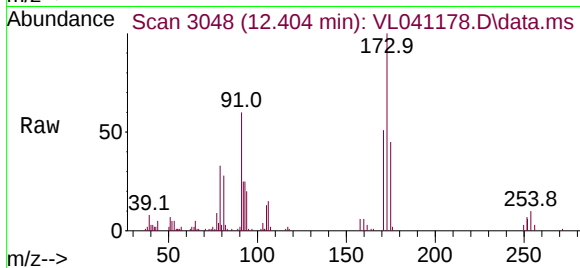
Tgt Ion:173 Resp: 63005

Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.8

171 54.5 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 0.516 ppbv

RT: 8.192 min Scan# 1738

Delta R.T. 0.013 min

Lab File: VL041178.D

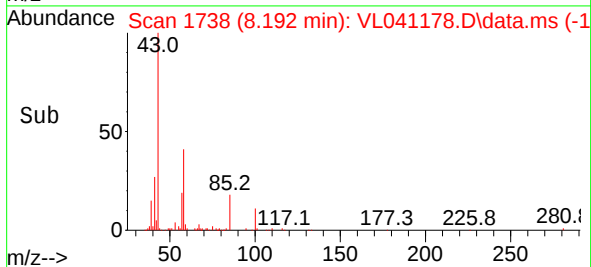
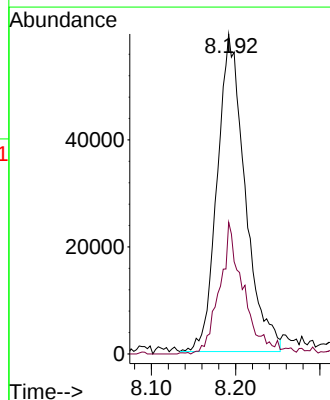
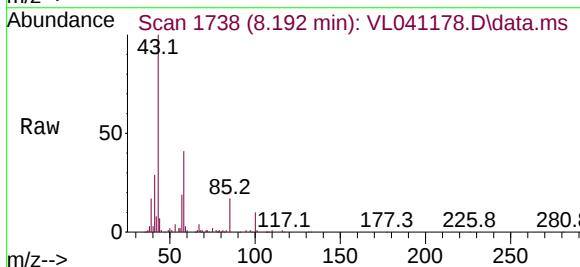
Acq: 29 Apr 2024 10:49

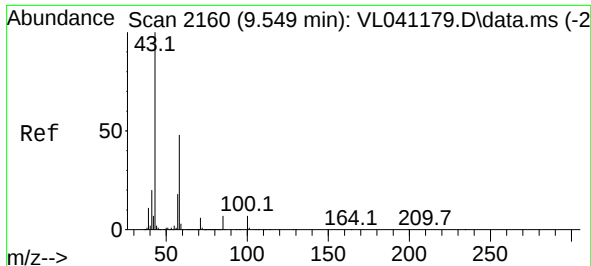
Tgt Ion: 43 Resp: 136553

Ion Ratio Lower Upper

43 100

58 37.0 27.7 41.5

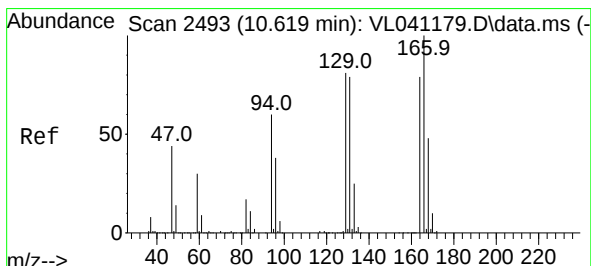
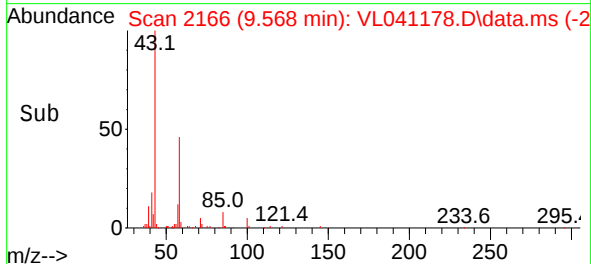
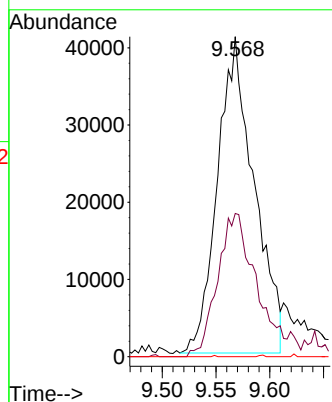
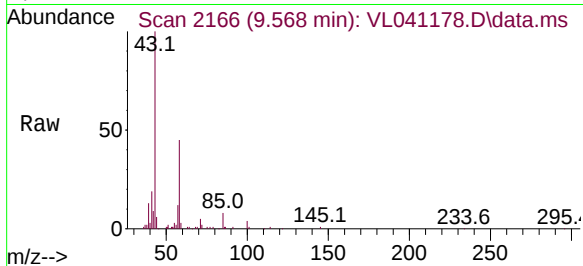




#51
2-Hexanone
Concen: 0.502 ppbv
RT: 9.568 min Scan# 2166
Delta R.T. 0.019 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

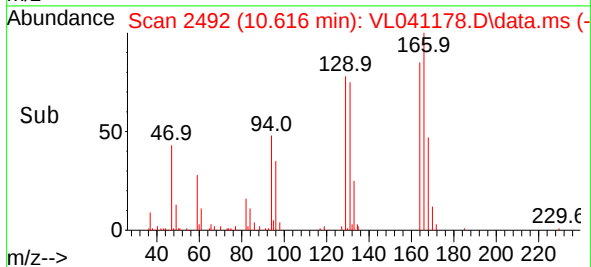
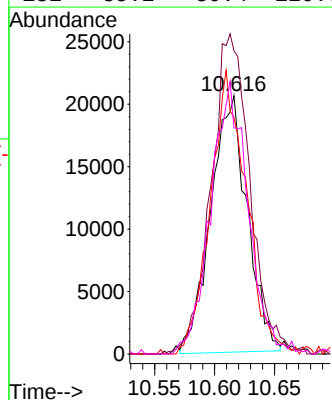
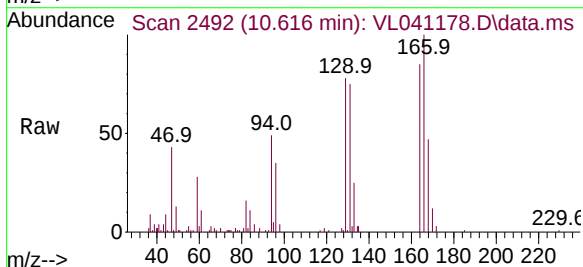
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

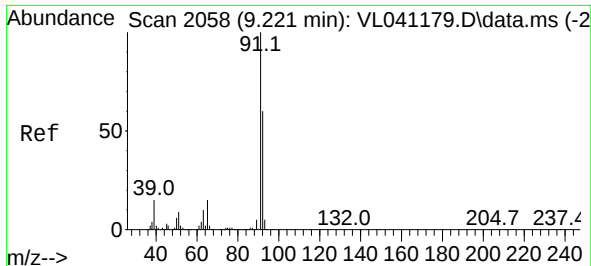
Tgt Ion: 43 Resp: 96771
Ion Ratio Lower Upper
43 100
58 53.5 38.4 57.6
98 0.1 0.0 0.0#



#52
Tetrachloroethene
Concen: 0.512 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. -0.003 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

Tgt Ion: 164 Resp: 43486
Ion Ratio Lower Upper
164 100
166 115.8 101.1 151.7
129 90.3 81.7 122.5
131 85.2 80.4 120.6





#53

Toluene

Concen: 0.526 ppbv

RT: 9.214 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

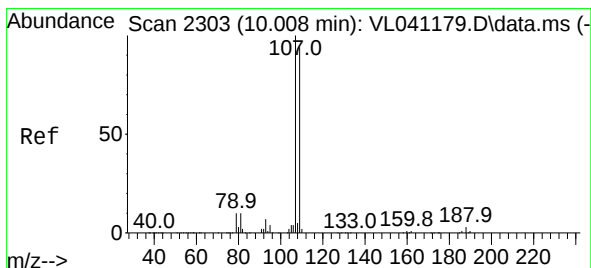
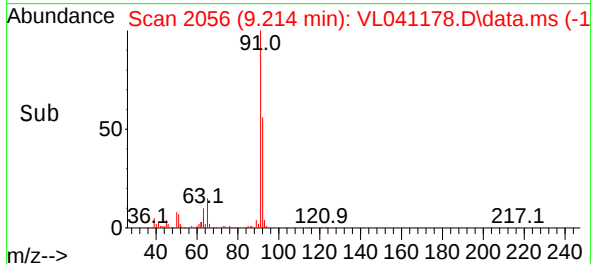
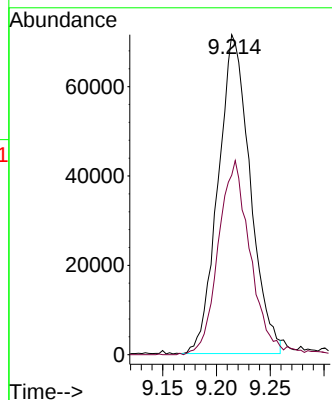
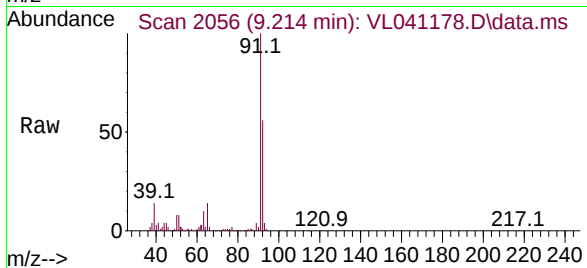
VSTDICC0.5

Tgt Ion: 91 Resp: 147932

Ion Ratio Lower Upper

91 100

92 61.9 48.2 72.4



#54

1,2-Dibromoethane

Concen: 0.179 ppbv

RT: 10.012 min Scan# 2304

Delta R.T. 0.003 min

Lab File: VL041178.D

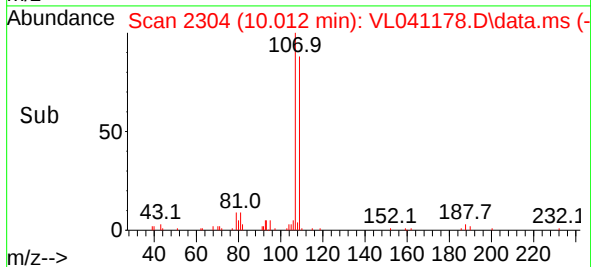
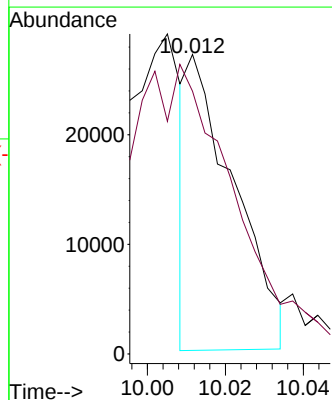
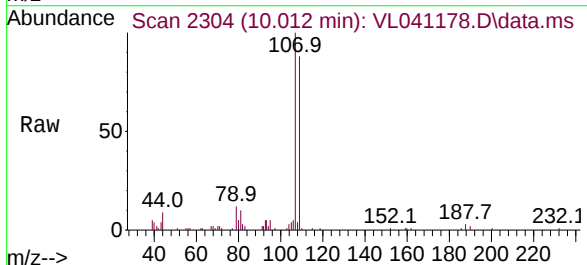
Acq: 29 Apr 2024 10:49

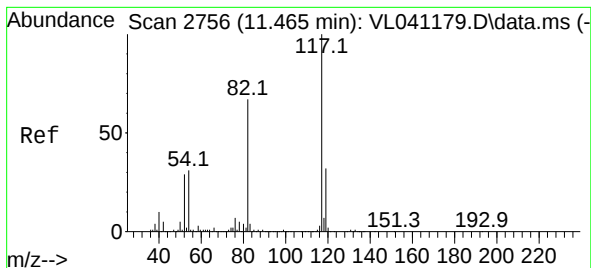
Tgt Ion: 107 Resp: 22632

Ion Ratio Lower Upper

107 100

109 85.8 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2756

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

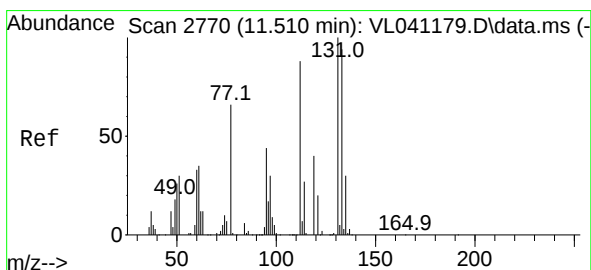
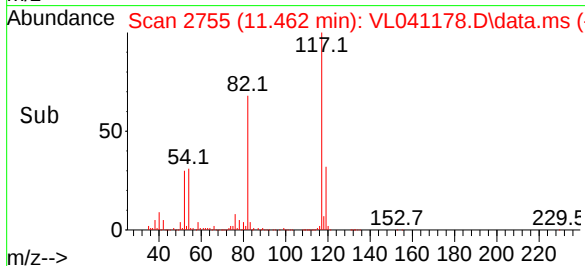
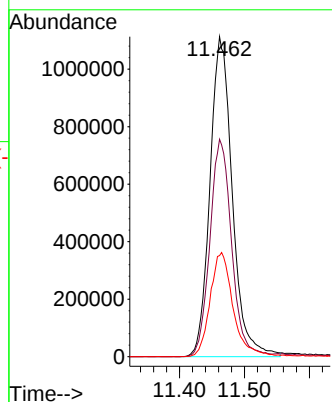
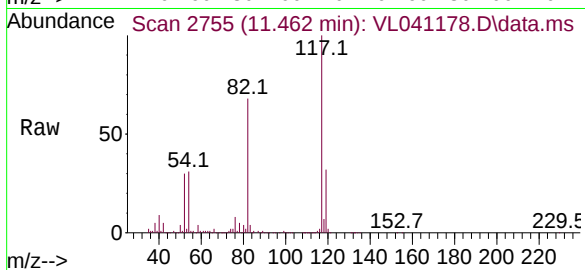
Tgt Ion:117 Resp: 2656923

Ion Ratio Lower Upper

117 100

82 67.8 53.6 80.4

119 33.9 27.2 40.8



#56

1,1,1,2-Tetrachloroethane

Concen: 0.538 ppbv

RT: 11.510 min Scan# 2770

Delta R.T. -0.000 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

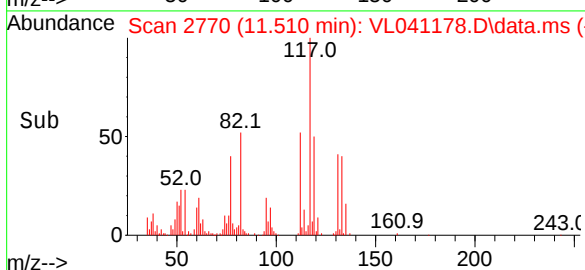
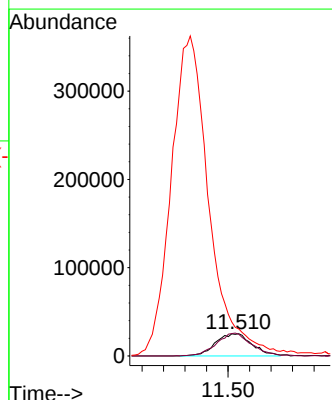
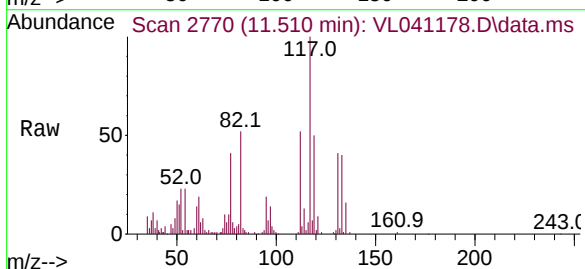
Tgt Ion:131 Resp: 59155

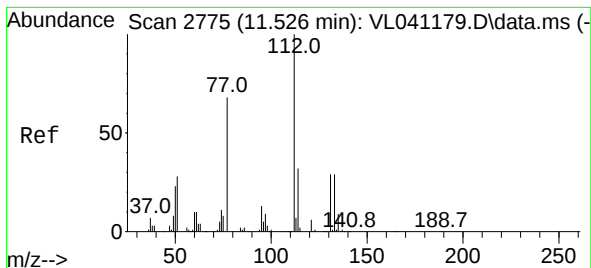
Ion Ratio Lower Upper

131 100

133 100.0 76.3 114.5

119 1529.9 49.4 74.2#





#57

Chlorobenzene

Concen: 0.538 ppbv

RT: 11.523 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

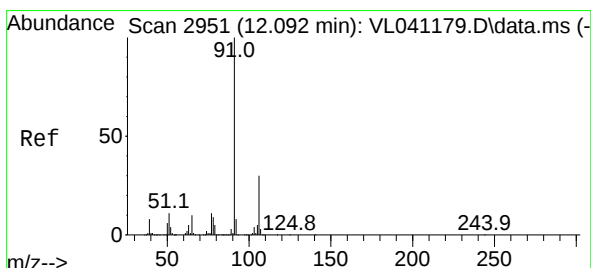
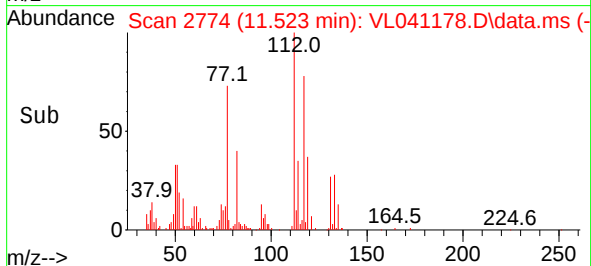
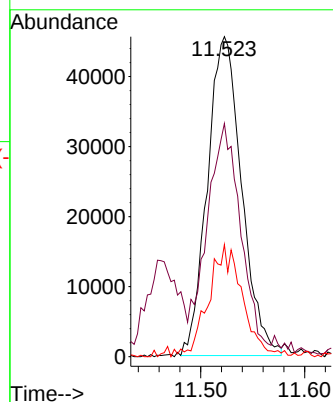
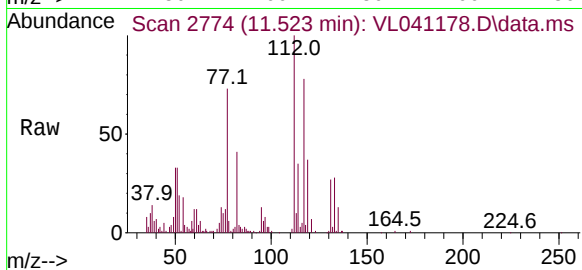
Tgt Ion:112 Resp: 104511

Ion Ratio Lower Upper

112 100

77 68.6 54.9 82.3

114 33.9 28.7 35.1



#58

Ethyl Benzene

Concen: 0.542 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. -0.006 min

Lab File: VL041178.D

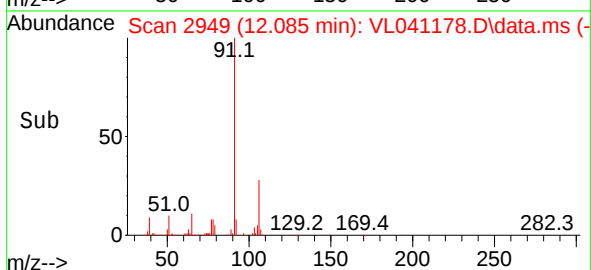
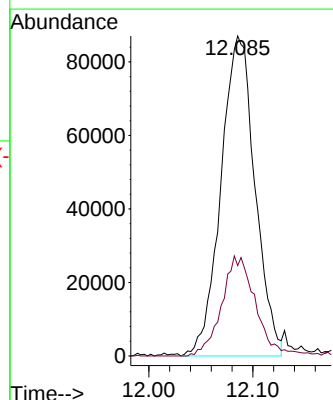
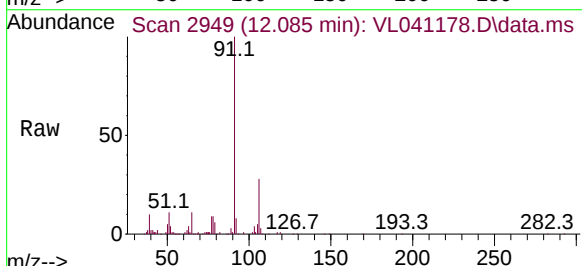
Acq: 29 Apr 2024 10:49

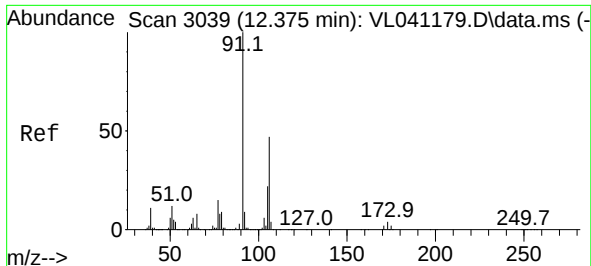
Tgt Ion: 91 Resp: 198340

Ion Ratio Lower Upper

91 100

106 28.3 24.3 36.5





#59

m/p-Xylene

Concen: 0.410 ppbv

RT: 12.368 min Scan# 3039

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

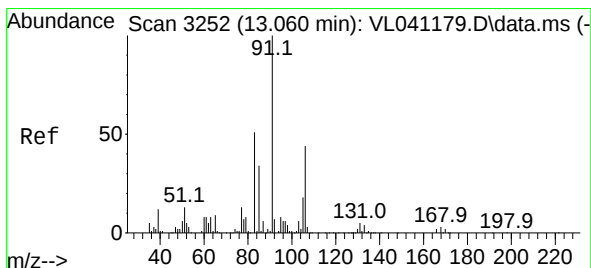
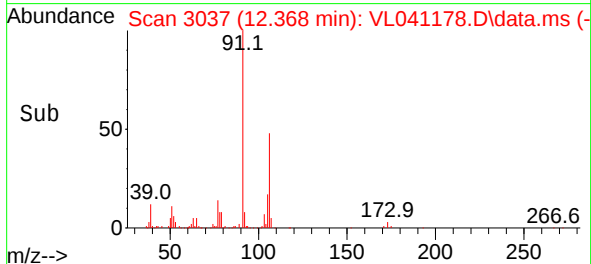
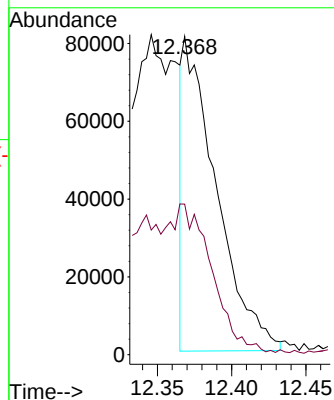
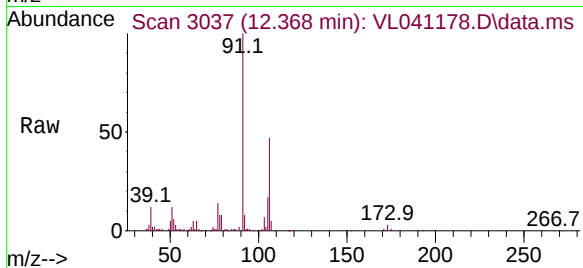
VSTDIC0.5

Tgt Ion: 91 Resp: 125873

Ion Ratio Lower Upper

91 100

106 116.7 35.7 53.5#



#60

o-Xylene

Concen: 0.560 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. -0.003 min

Lab File: VL041178.D

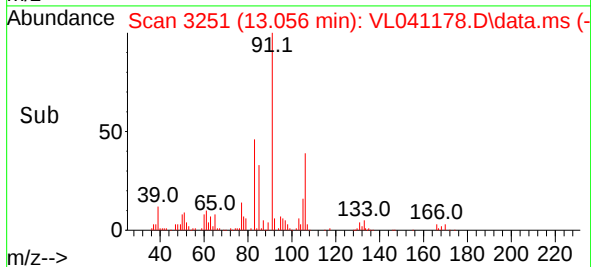
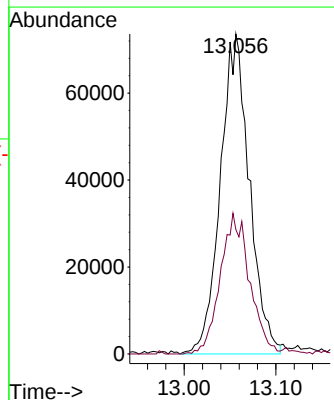
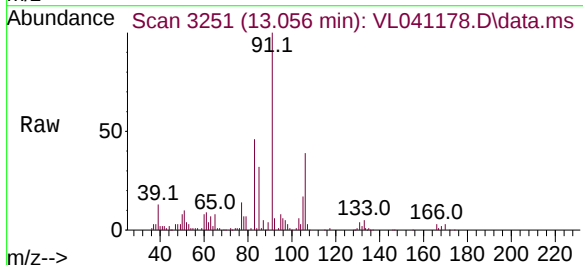
Acq: 29 Apr 2024 10:49

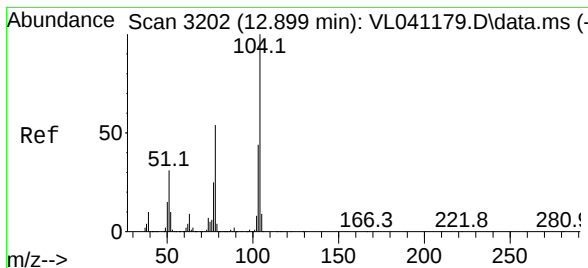
Tgt Ion: 91 Resp: 161481

Ion Ratio Lower Upper

91 100

106 45.2 22.4 67.3





#61

Styrene

Concen: 0.521 ppbv

RT: 12.899 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

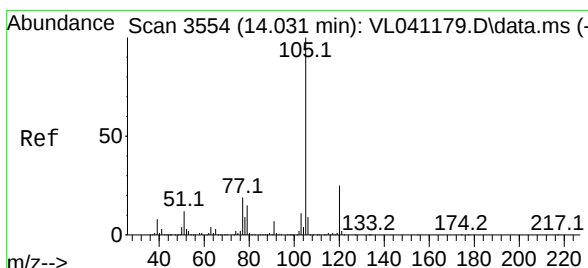
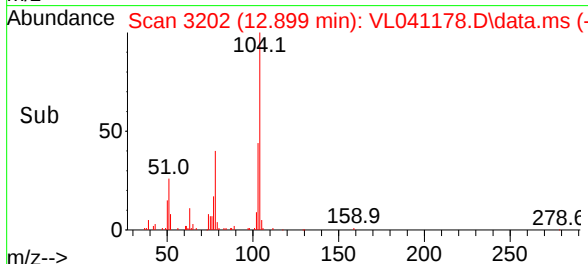
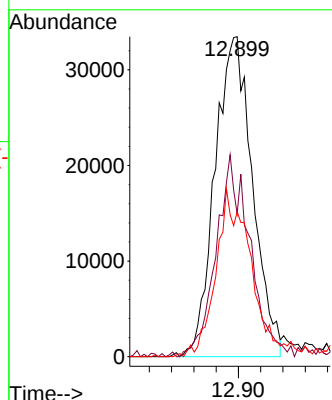
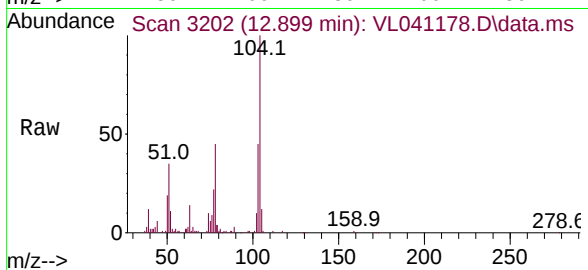
Tgt Ion:104 Resp: 78413

Ion Ratio Lower Upper

104 100

78 58.6 42.6 63.8

103 49.7 38.4 57.6



#62

Isopropylbenzene

Concen: 0.561 ppbv

RT: 14.027 min Scan# 3553

Delta R.T. -0.003 min

Lab File: VL041178.D

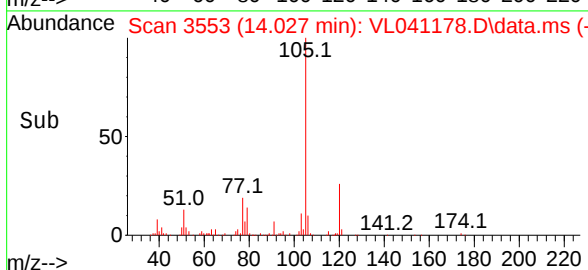
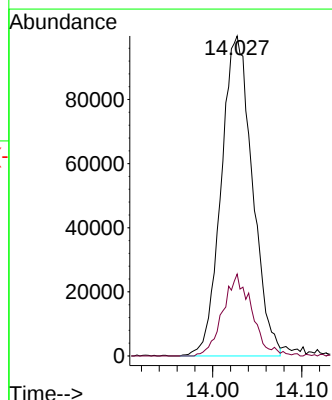
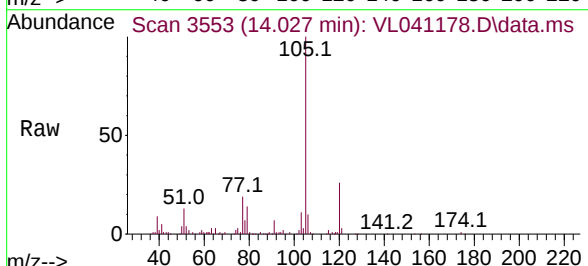
Acq: 29 Apr 2024 10:49

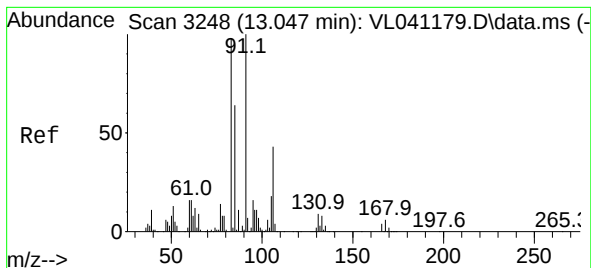
Tgt Ion:105 Resp: 243105

Ion Ratio Lower Upper

105 100

120 24.1 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 0.232 ppbv

RT: 13.040 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

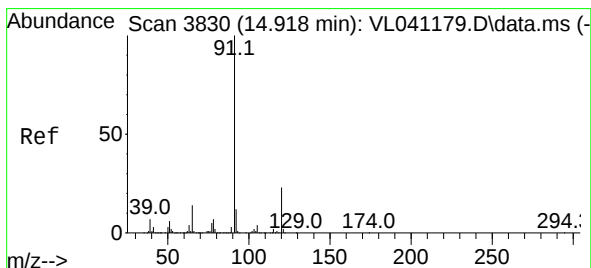
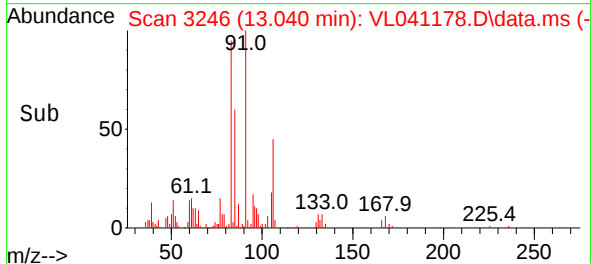
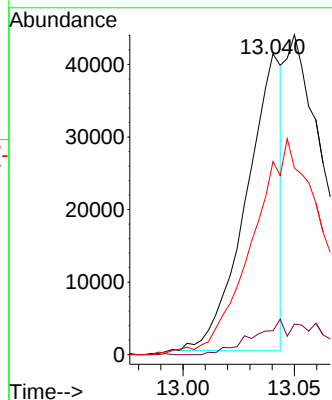
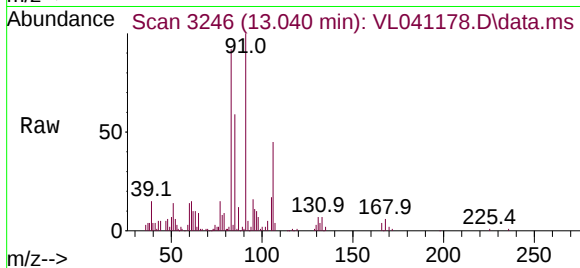
Tgt Ion: 83 Resp: 45488

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

85 0.0 32.7 98.1#



#64

n-propylbenzene

Concen: 0.267 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. -0.006 min

Lab File: VL041178.D

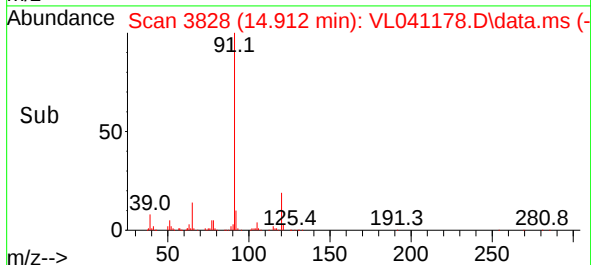
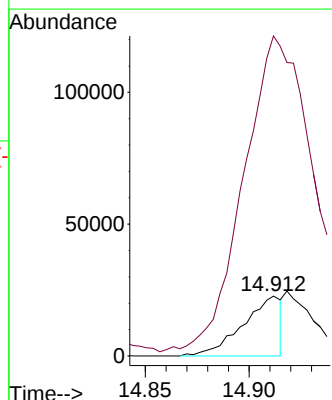
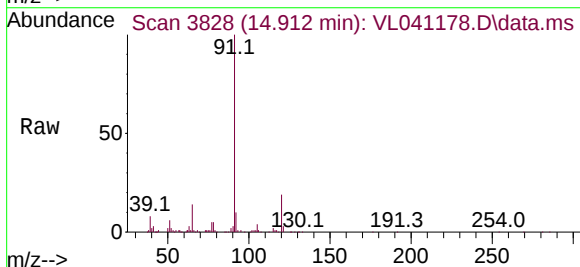
Acq: 29 Apr 2024 10:49

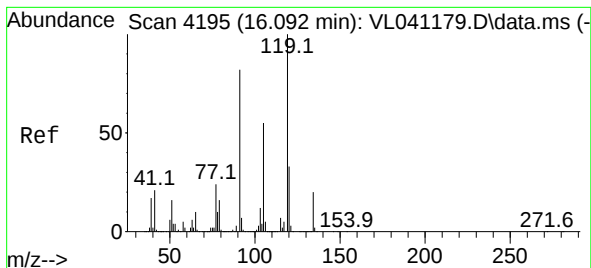
Tgt Ion:120 Resp: 29027

Ion Ratio Lower Upper

120 100

91 1030.1 384.8 577.2#





#65

tert-Butylbenzene

Concen: 0.556 ppbv

RT: 16.088 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

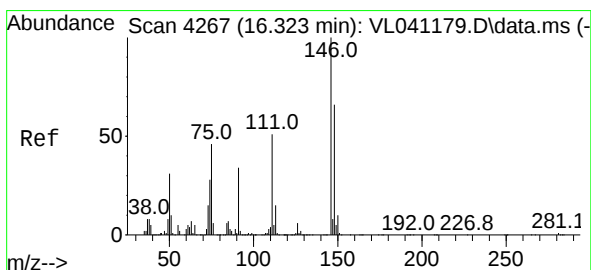
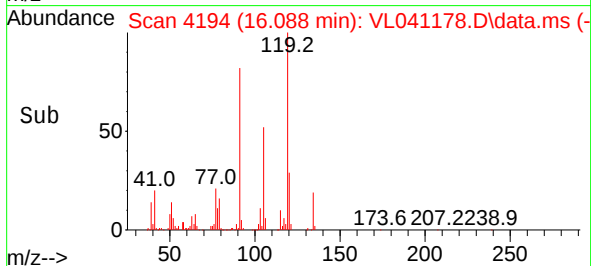
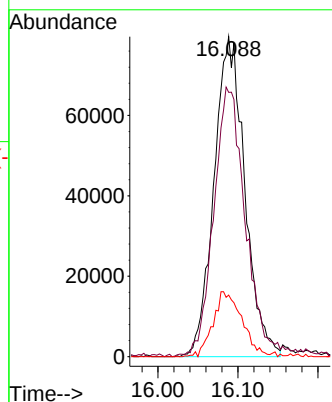
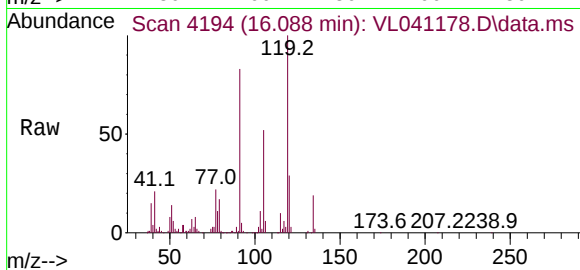
Tgt Ion:119 Resp: 212722

Ion Ratio Lower Upper

119 100

91 86.2 67.0 100.4

134 19.4 15.2 22.8



#66

Benzyl Chloride

Concen: 0.074 ppbv

RT: 16.333 min Scan# 4270

Delta R.T. 0.010 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

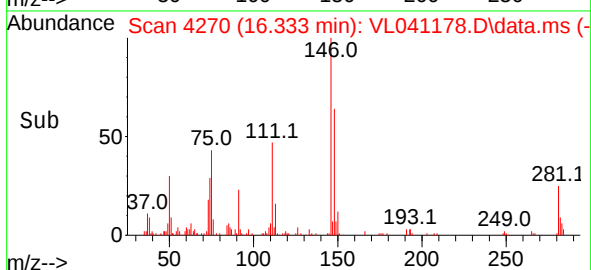
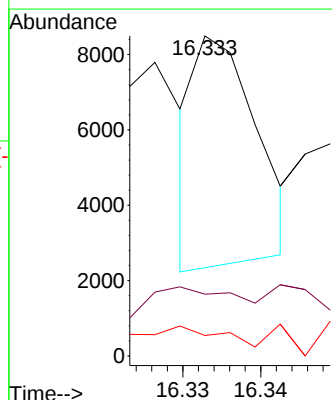
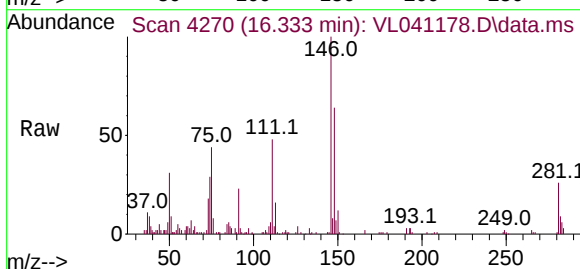
Tgt Ion: 91 Resp: 3352

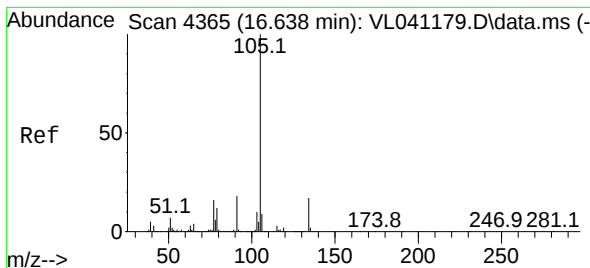
Ion Ratio Lower Upper

91 100

126 0.0 14.6 21.8#

128 30.0 4.7 7.1#





#67

sec-Butylbenzene

Concen: 0.559 ppbv

RT: 16.635 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

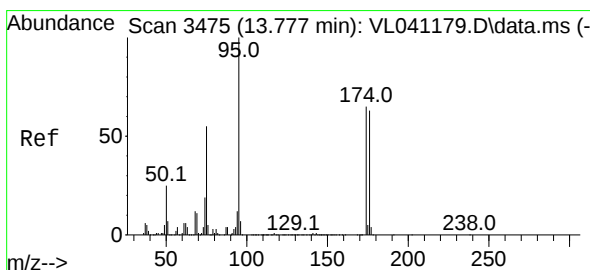
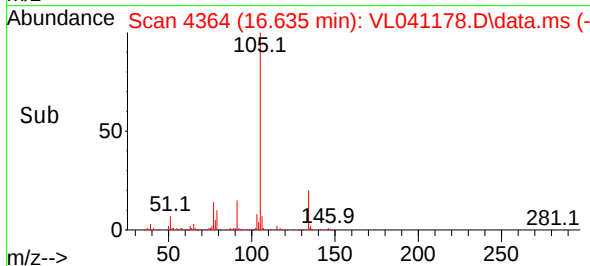
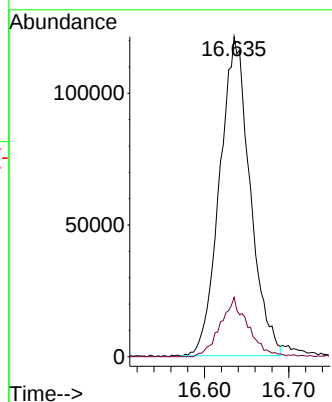
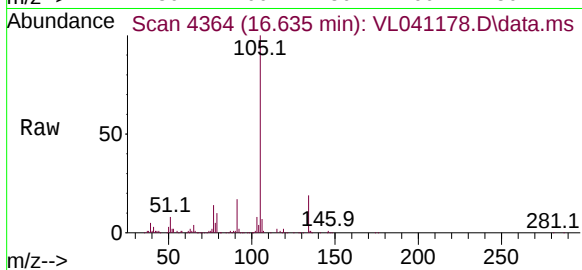
VSTDIC0.5

Tgt Ion:105 Resp: 302898

Ion Ratio Lower Upper

105 100

134 17.2 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.046 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

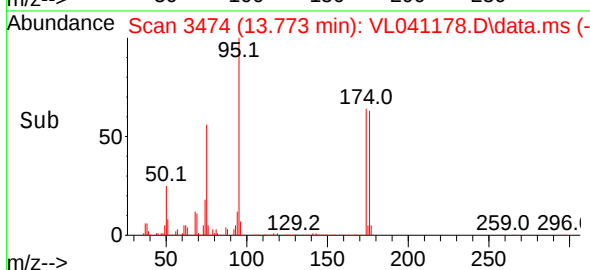
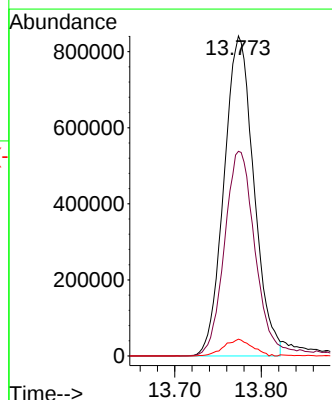
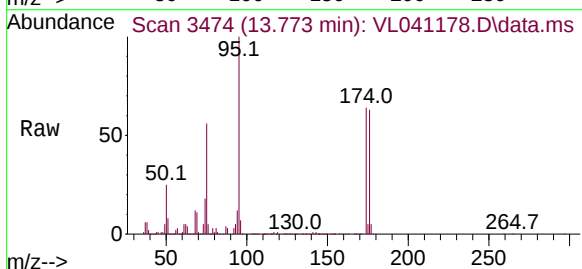
Tgt Ion: 95 Resp: 2015819

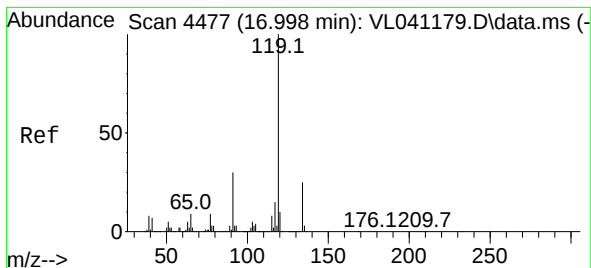
Ion Ratio Lower Upper

95 100

174 68.0 53.6 80.4

175 5.1 4.2 6.4





#69

p-Isopropyltoluene

Concen: 0.333 ppbv

RT: 16.995 min Scan# 4476

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

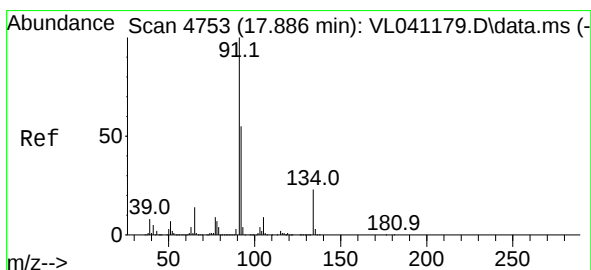
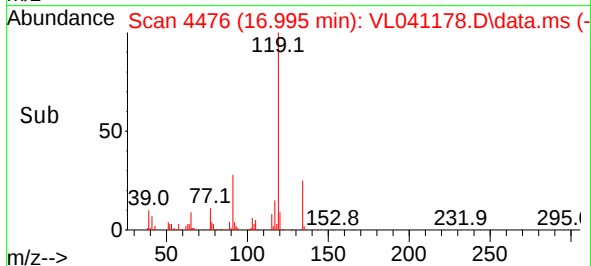
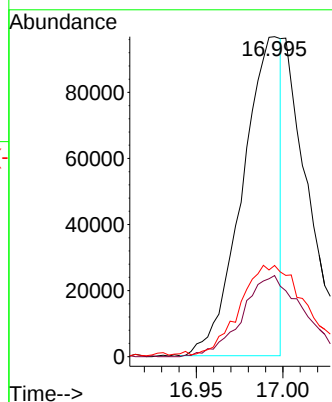
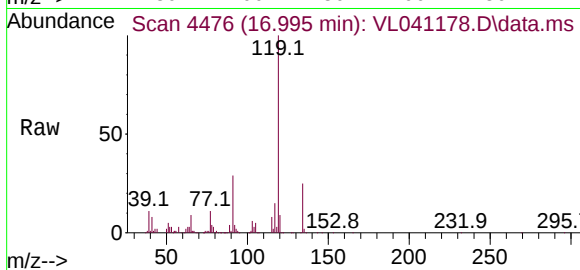
Tgt Ion:119 Resp: 149250

Ion Ratio Lower Upper

119 100

134 43.1 20.1 30.1#

91 52.0 24.2 36.2#



#70

n-Butylbenzene

Concen: 0.528 ppbv

RT: 17.889 min Scan# 4754

Delta R.T. 0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

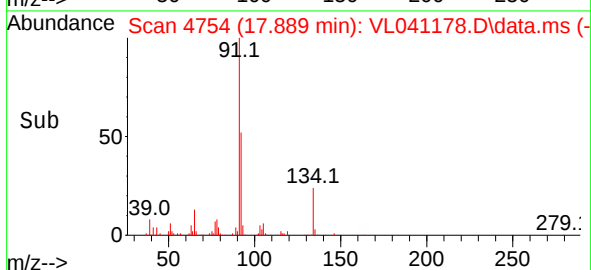
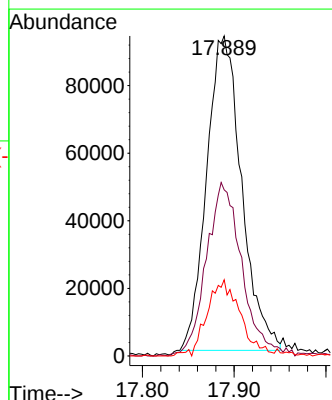
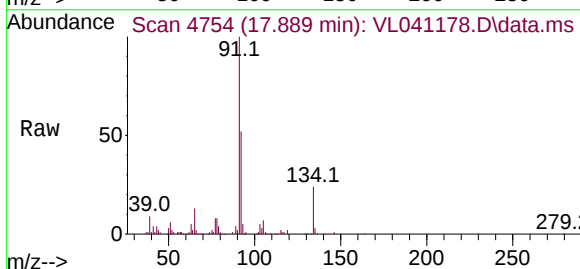
Tgt Ion: 91 Resp: 246360

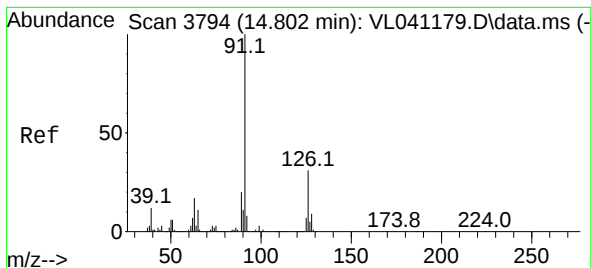
Ion Ratio Lower Upper

91 100

92 56.5 43.3 64.9

134 23.7 17.8 26.8





#71

2-Chlorotoluene

Concen: 0.548 ppbv

RT: 14.796 min Scan# 3792

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

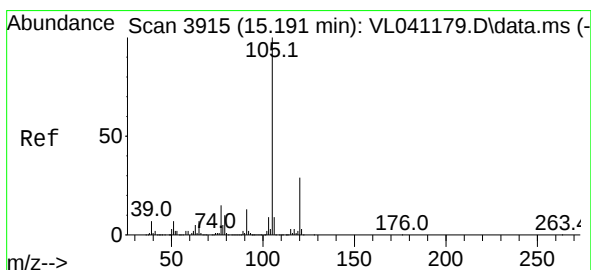
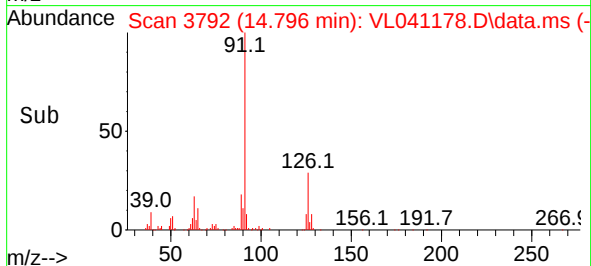
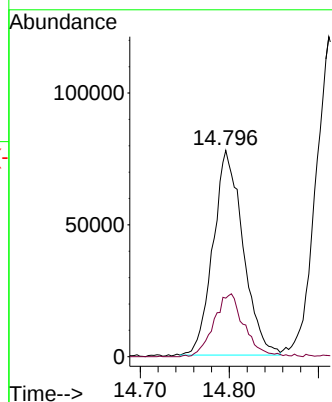
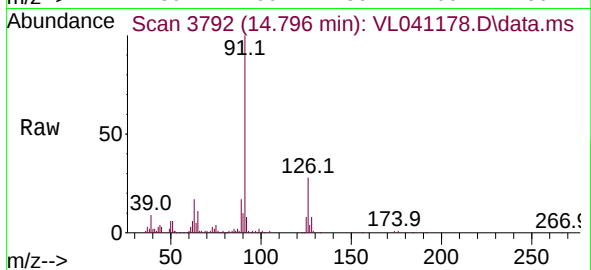
VSTDIC0.5

Tgt Ion: 91 Resp: 181470

Ion Ratio Lower Upper

91 100

126 31.3 12.2 48.8



#72

4-Ethyltoluene

Concen: 0.534 ppbv

RT: 15.191 min Scan# 3915

Delta R.T. -0.000 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Tgt Ion:105 Resp: 175607

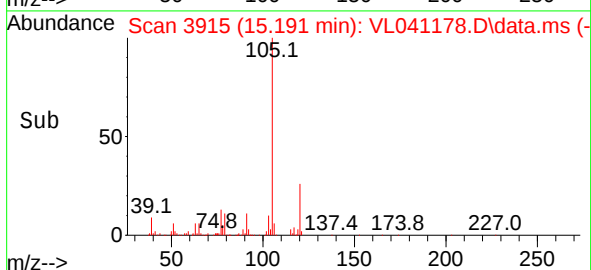
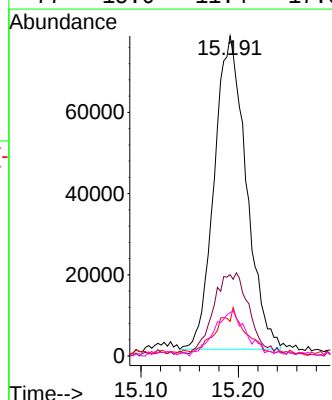
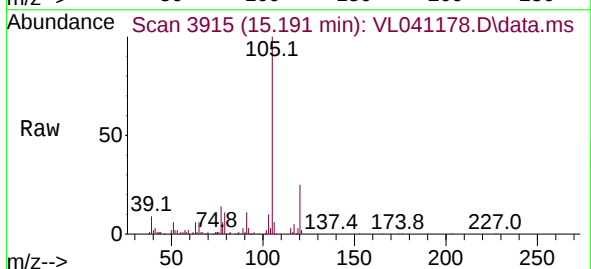
Ion Ratio Lower Upper

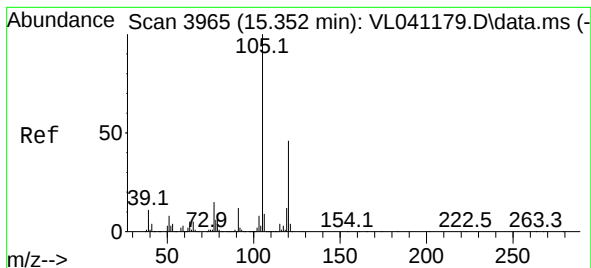
105 100

120 32.5 24.7 37.1

91 12.9 10.3 15.5

77 15.0 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 0.538 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

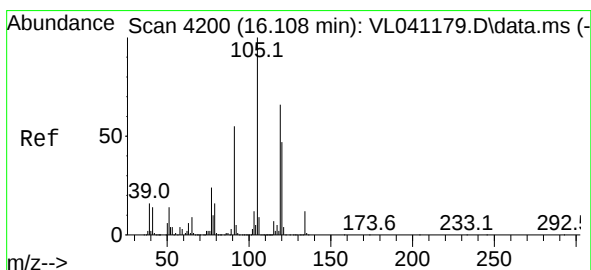
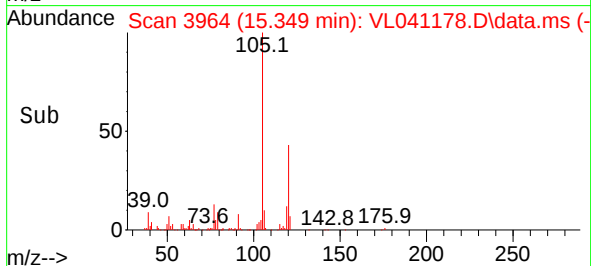
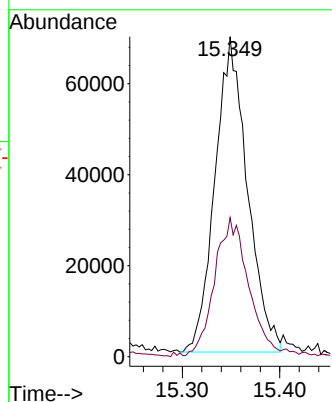
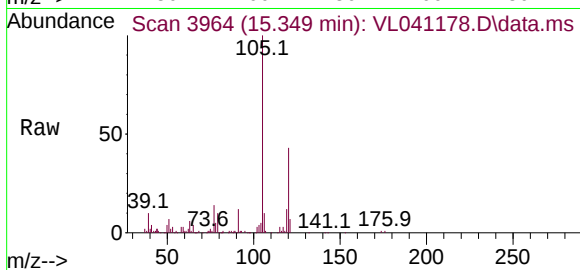
VSTDICC0.5

Tgt Ion:105 Resp: 160422

Ion Ratio Lower Upper

105 100

120 42.9 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 0.554 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. -0.003 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Tgt Ion:105 Resp: 179991

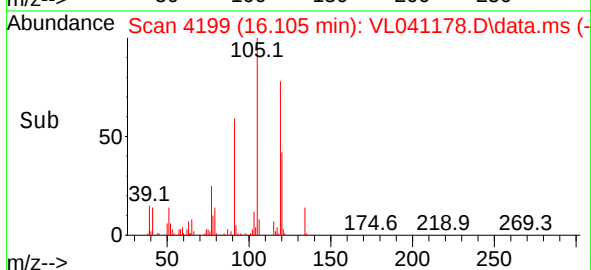
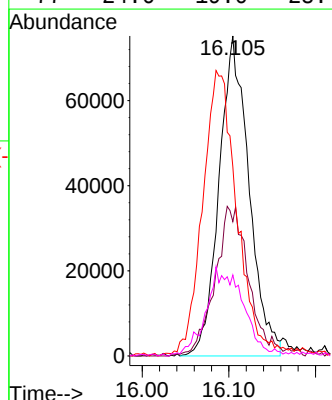
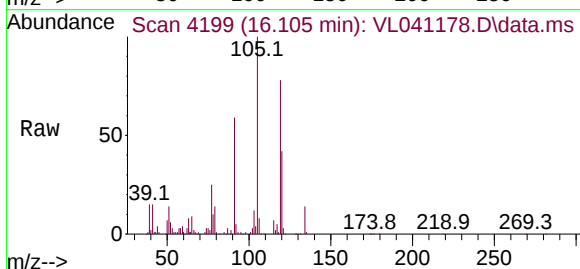
Ion Ratio Lower Upper

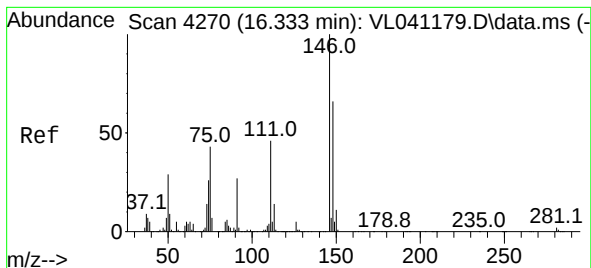
105 100

120 41.4 37.8 56.6

91 56.8 44.3 66.5

77 24.6 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.520 ppbv

RT: 16.326 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

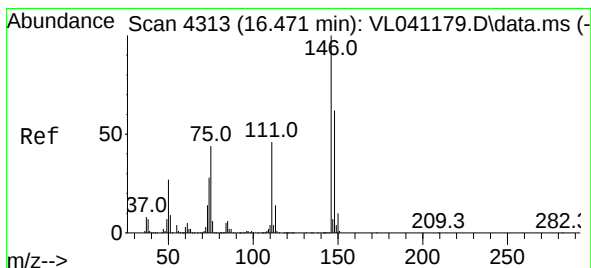
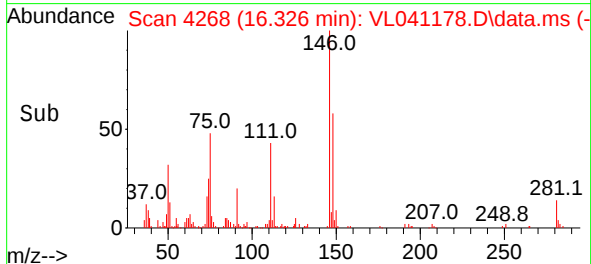
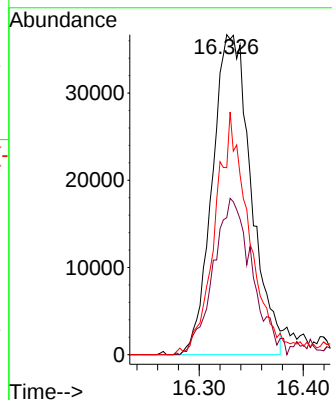
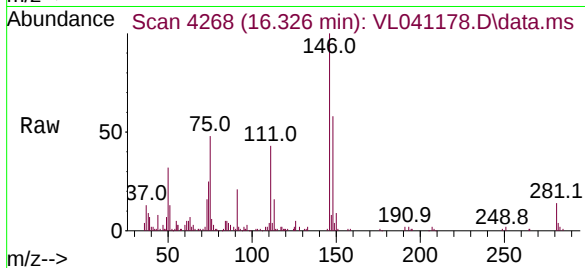
Tgt Ion:146 Resp: 94973

Ion Ratio Lower Upper

146 100

111 49.7 23.7 71.1

148 67.9 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 0.509 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. -0.000 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

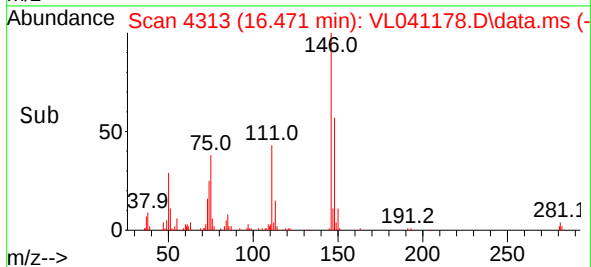
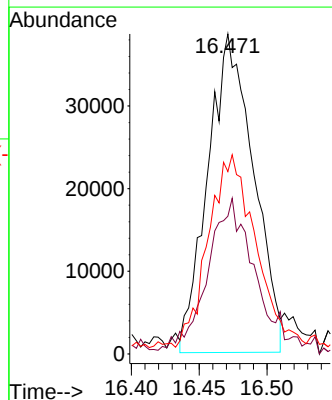
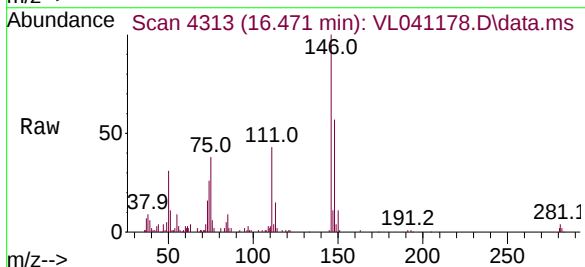
Tgt Ion:146 Resp: 90589

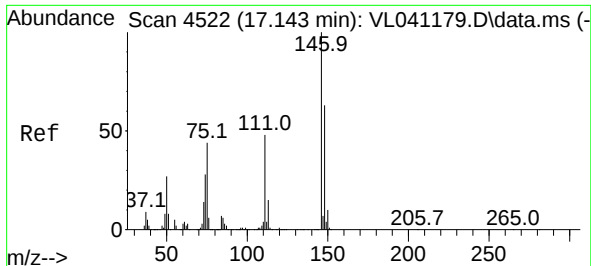
Ion Ratio Lower Upper

146 100

111 54.5 23.3 69.8

148 69.8 32.6 97.7

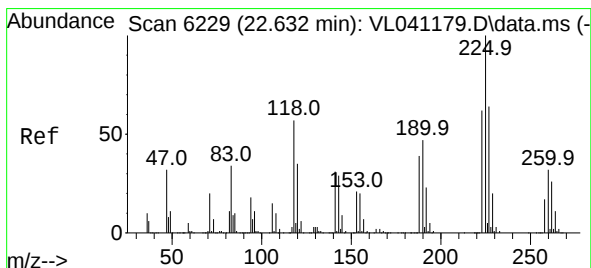
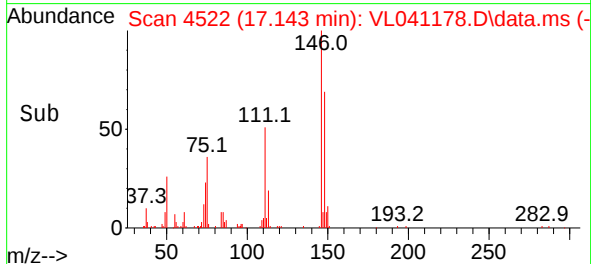
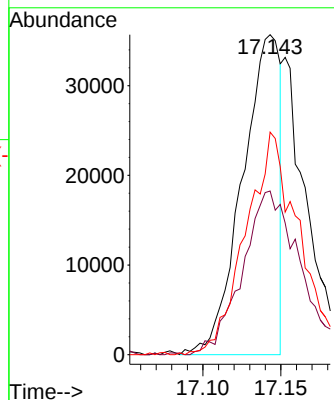
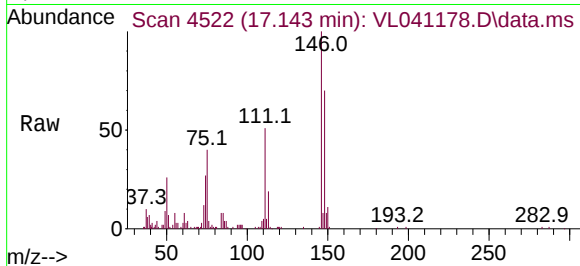




#77
1,2-Dichlorobenzene
Concen: 0.326 ppbv
RT: 17.143 min Scan# 4522
Delta R.T. -0.000 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

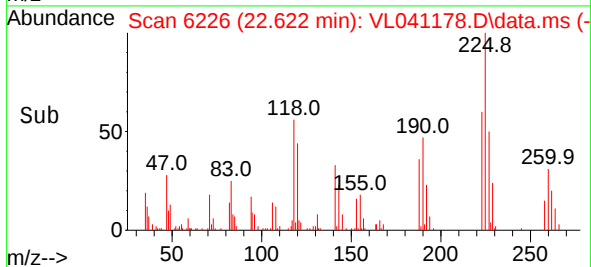
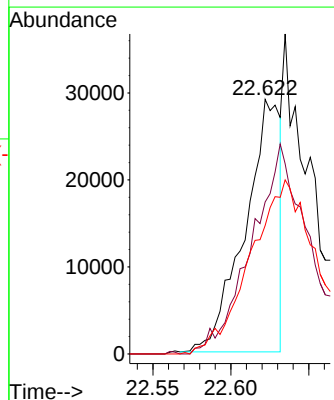
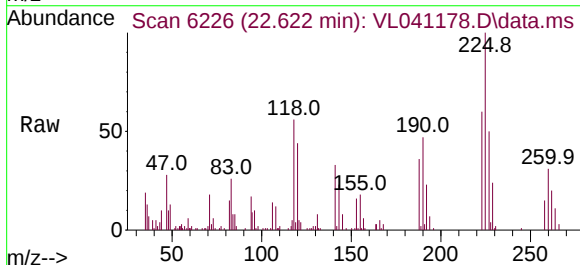
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

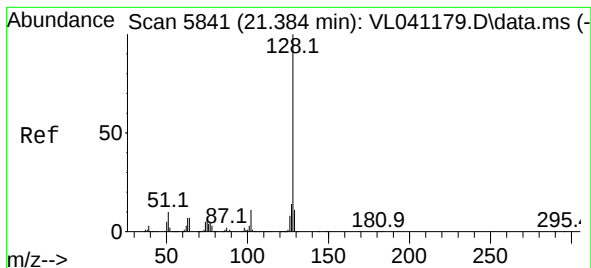
Tgt Ion:146 Resp: 60107
Ion Ratio Lower Upper
146 100
111 83.3 24.5 73.5#
148 104.5 32.6 98.0#



#78
Hexachloro-1,3-Butadiene
Concen: 0.278 ppbv
RT: 22.622 min Scan# 6226
Delta R.T. -0.010 min
Lab File: VL041178.D
Acq: 29 Apr 2024 10:49

Tgt Ion:225 Resp: 45616
Ion Ratio Lower Upper
225 100
223 0.0 50.9 76.3#
227 0.0 52.0 78.0#





#79

Naphthalene

Concen: 0.303 ppbv

RT: 21.384 min Scan# 5841

Delta R.T. -0.000 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

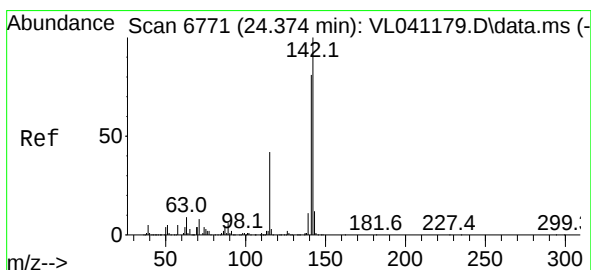
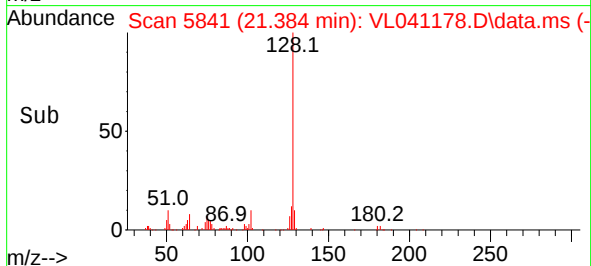
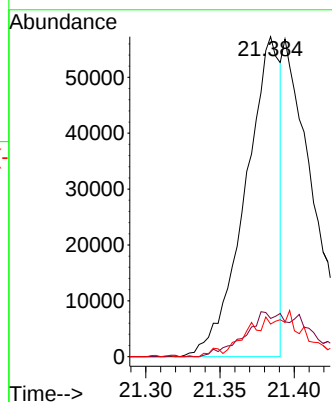
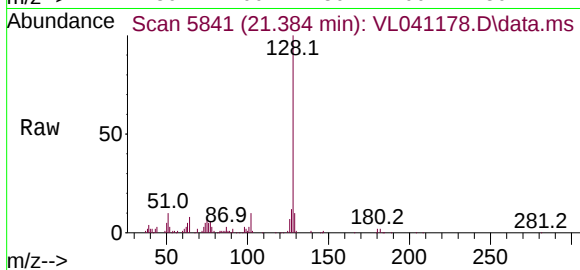
Tgt Ion:128 Resp: 93287

Ion Ratio Lower Upper

128 100

127 12.0 10.8 16.2

129 10.2 8.9 13.3



#80

Naphthalene, 2-methyl-

Concen: 0.643 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.006 min

Lab File: VL041178.D

Acq: 29 Apr 2024 10:49

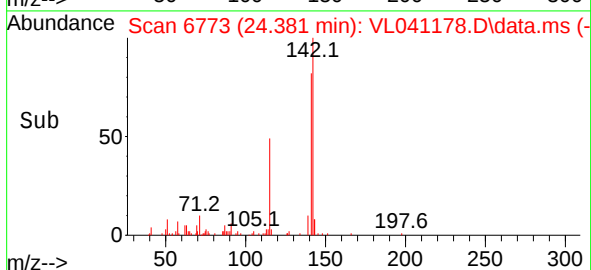
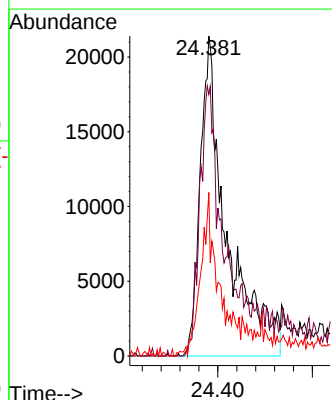
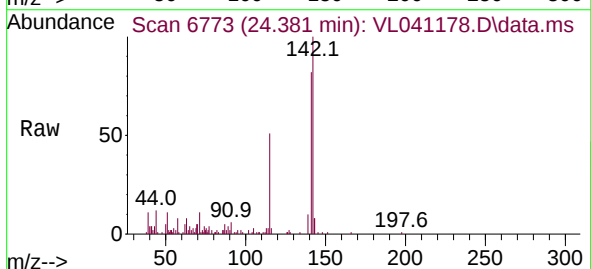
Tgt Ion:142 Resp: 83316

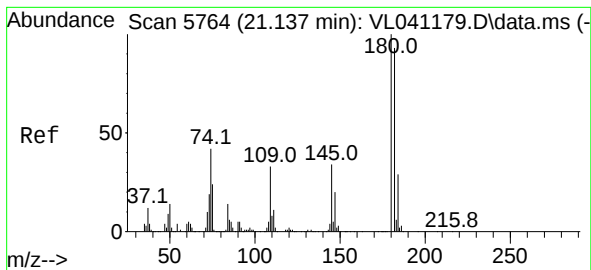
Ion Ratio Lower Upper

142 100

141 71.2 67.9 101.9

115 33.0 31.4 47.0





#81

1,2,4-Trichlorobenzene

Concen: 0.286 ppbv

RT: 21.140 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041178.D

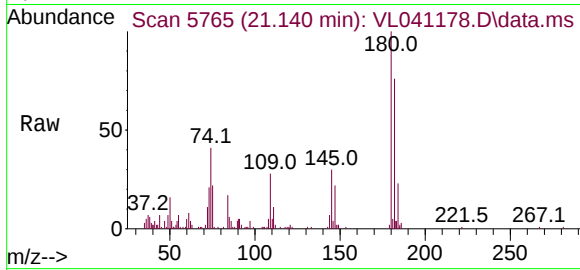
Acq: 29 Apr 2024 10:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 47063

Ion Ratio Lower Upper

180 100

182 0.0 77.2 115.8#

184 0.0 24.6 36.8#

