

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041181.D
 Acq On : 29 Apr 2024 12:48
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 30 05:07:37 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	1048732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2650686	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2490417	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1868013	9.931	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.300%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.723	85	150955	1.041	ppbv	98
3) Chlorodifluoromethane	2.668	51	167364	1.047	ppbv	97
4) Chloromethane	2.806	50	64506	1.014	ppbv	92
5) Vinyl Chloride	2.915	62	62623	1.015	ppbv	95
6) Bromomethane	3.115	94	23574	1.031	ppbv	94
7) Chloroethane	3.189	64	23239	1.038	ppbv #	86
8) Dichlorotetrafluoroethane	2.851	85	148578	1.014	ppbv	94
9) Propene	2.687	41	63246	1.014	ppbv	95
10) Heptane	7.571	43	156575	1.048	ppbv	98
11) Trichlorofluoromethane	3.555	101	147438	1.024	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	114620	1.066	ppbv	99
13) Ethanol	3.243	45	4815	0.357	ppbv #	49
14) Bromoethene	3.359	108	44841	1.001	ppbv #	97
15) Acetone	3.469	43	132022	1.055	ppbv	94
16) 1,3-Butadiene	2.977	39	65759	1.057	ppbv	100
17) tert-Butyl alcohol	3.877	59	137225	1.014	ppbv	95
18) 1,1-Dichloroethene	3.870	96	46565	0.944	ppbv	93
19) Isopropyl Alcohol	3.581	45	77920	0.958	ppbv #	45
20) Methylene Chloride	3.925	84	43959	1.012	ppbv	91
21) Allyl Chloride	3.986	41	81962	1.005	ppbv	97
22) trans-1,2-Dichloroethene	4.440	96	49275	1.012	ppbv #	87
23) Vinyl Acetate	4.623	43	144403	1.046	ppbv #	95
24) 1,1-Dichloroethane	4.555	63	108957	1.024	ppbv	99
25) Ethyl Acetate	5.205	43	255793	1.042	ppbv	98
26) Hexane	5.202	57	52025	0.479	ppbv #	1
27) Carbon Disulfide	4.115	76	132020	1.024	ppbv #	88
28) Methyl tert-Butyl Ether	4.584	73	91678	1.037	ppbv	92
29) Chloroform	5.269	83	154421	1.018	ppbv	95
30) Cyclohexane	6.594	84	90083	1.010	ppbv	94
31) cis-1,2-Dichloroethene	5.073	61	104548	1.005	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	160820	1.057	ppbv	99
34) 2-Butanone	4.787	43	146130	1.127	ppbv	100
35) Carbon Tetrachloride	6.488	117	153786	1.022	ppbv	97
36) Benzene	6.362	78	238138	1.068	ppbv	98
37) 1,2-Dichloroethane	5.800	62	118480	1.015	ppbv	99
38) Trichloroethene	7.292	130	40413	0.480	ppbv	87
39) 1,2-Dichloropropane	7.063	63	90185	1.047	ppbv	96
40) 1,4-Dioxane	7.301	88	15411	0.501	ppbv #	1
41) Tetrahydrofuran	5.565	42	96300	1.004	ppbv	98
42) Bromodichloromethane	7.243	83	171873	1.009	ppbv	95
43) Methyl Methacrylate	7.472	69	94441	1.032	ppbv	98
44) 2,2,4-Trimethylpentane	7.324	57	409495	1.061	ppbv	98
45) t-1,3-Dichloropropene	8.706	75	63578	0.949	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
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 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

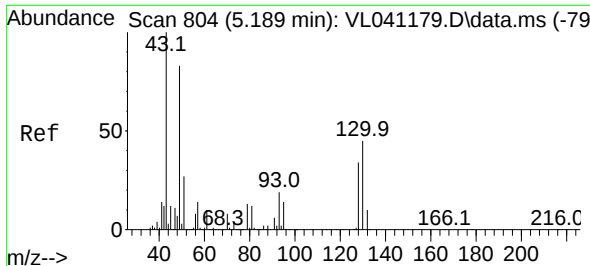
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Apr 30 05:04:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	79736	0.983	ppbv	94
47) 1,1,2-Trichloroethane	8.896	97	88640	1.033	ppbv	96
48) Dibromochloromethane	9.703	129	138932	1.001	ppbv	98
49) Bromoform	12.397	173	117642	0.987	ppbv	97
50) 4-Methyl-2-Pentanone	8.182	43	260965	1.066	ppbv	100
51) 2-Hexanone	9.558	43	185009	1.038	ppbv #	94
52) Tetrachloroethene	10.606	164	81594	1.038	ppbv	91
53) Toluene	9.214	91	270789	1.041	ppbv	99
54) 1,2-Dibromoethane	10.005	107	117672	1.009	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.504	131	107017	1.038	ppbv #	1
57) Chlorobenzene	11.520	112	192366	1.056	ppbv	93
58) Ethyl Benzene	12.082	91	231276	0.674	ppbv	98
59) m/p-Xylene	12.368	91	333123	1.157	ppbv #	31
60) o-Xylene	13.053	91	292199	1.081	ppbv	99
61) Styrene	12.896	104	72343	0.513	ppbv #	26
62) Isopropylbenzene	14.021	105	438392	1.080	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	193421	1.053	ppbv	97
64) n-propylbenzene	14.915	120	108967	1.071	ppbv	90
65) tert-Butylbenzene	16.082	119	229293	0.639	ppbv #	39
66) Benzyl Chloride	16.323	91	35814	0.838	ppbv #	95
67) sec-Butylbenzene	16.629	105	553419	1.090	ppbv	99
69) p-Isopropyltoluene	16.989	119	451215	1.072	ppbv	99
70) n-Butylbenzene	17.883	91	486852	1.114	ppbv	97
71) 2-Chlorotoluene	14.796	91	335894	1.083	ppbv	98
72) 4-Ethyltoluene	15.188	105	324882	1.054	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	146700	0.525	ppbv	96
74) 1,2,4-Trimethylbenzene	16.101	105	323414	1.063	ppbv	99
75) 1,3-Dichlorobenzene	16.327	146	176338	1.030	ppbv	94
76) 1,4-Dichlorobenzene	16.468	146	174843	1.048	ppbv	97
77) 1,2-Dichlorobenzene	17.137	146	90824	0.525	ppbv #	20
78) Hexachloro-1,3-Butadiene	22.629	225	103062	0.670	ppbv #	44
79) Naphthalene	21.381	128	183898	0.638	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	100677	0.829	ppbv	91
81) 1,2,4-Trichlorobenzene	21.140	180	156445	1.015	ppbv	93

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

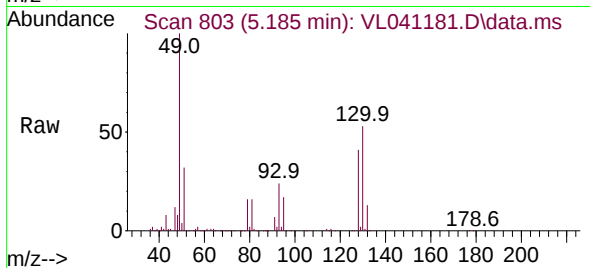
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QLast Update : Tue Apr 30 05:04:57 2024
Response via : Initial Calibration



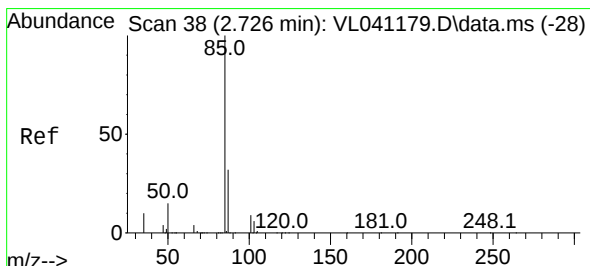
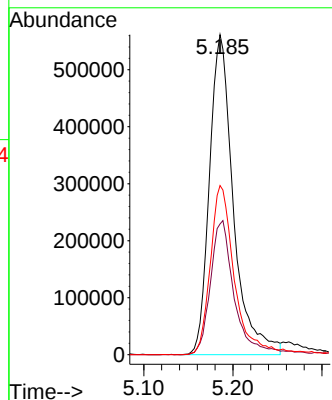
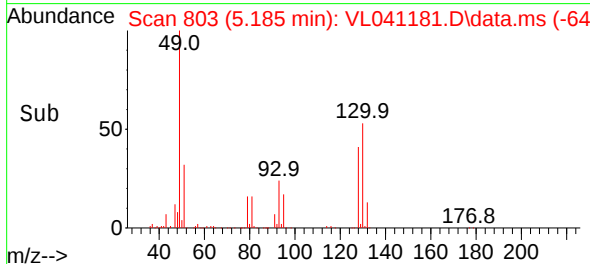


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. -0.004 min
 Lab File: VL041181.D
 Acq: 29 Apr 2024 12:48

Instrument :
 MSVOA_L
 ClientSampleId :

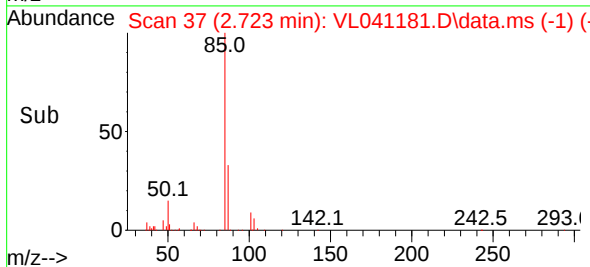
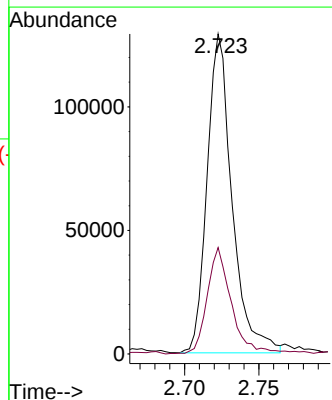
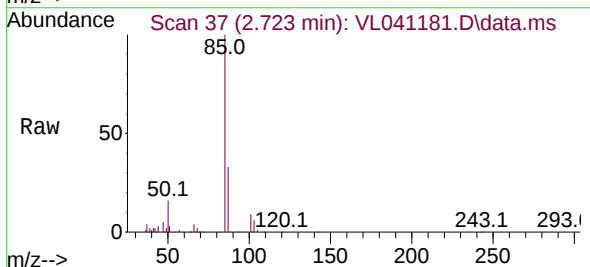


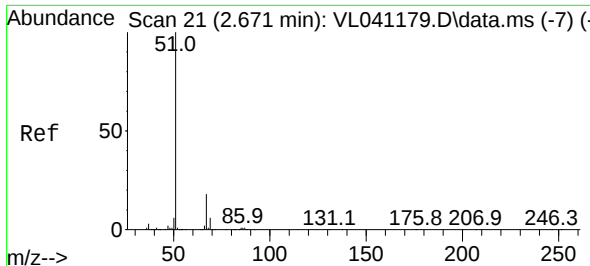
Tgt Ion: 49 Resp: 1048732
 Ion Ratio Lower Upper
 49 100
 128 43.2 21.5 64.5
 130 55.0 27.2 81.6



#2
 Dichlorodifluoromethane
 Concen: 1.041 ppbv
 RT: 2.723 min Scan# 37
 Delta R.T. -0.003 min
 Lab File: VL041181.D
 Acq: 29 Apr 2024 12:48

Tgt Ion: 85 Resp: 150955
 Ion Ratio Lower Upper
 85 100
 87 33.1 25.7 38.5

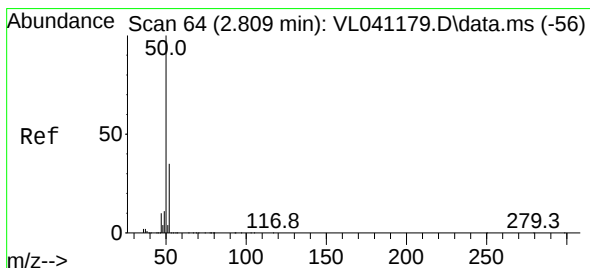
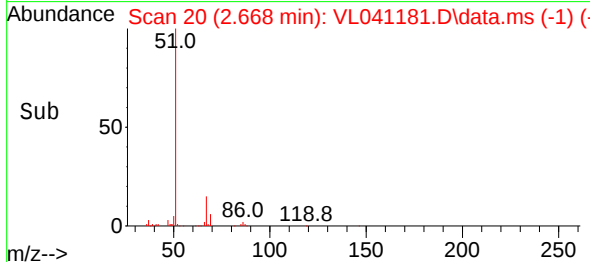
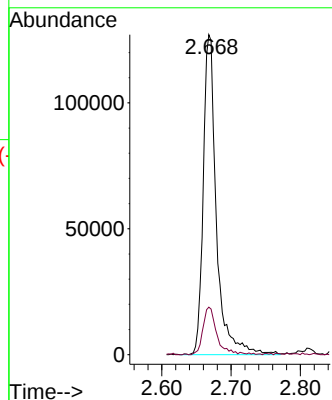
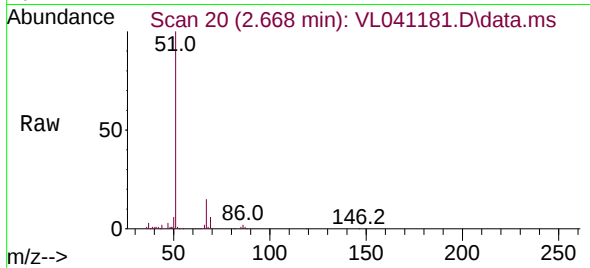




#3
Chlorodifluoromethane
Concen: 1.047 ppbv
RT: 2.668 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

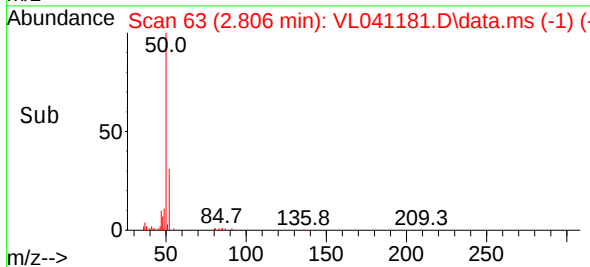
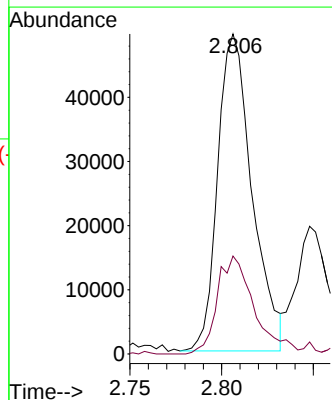
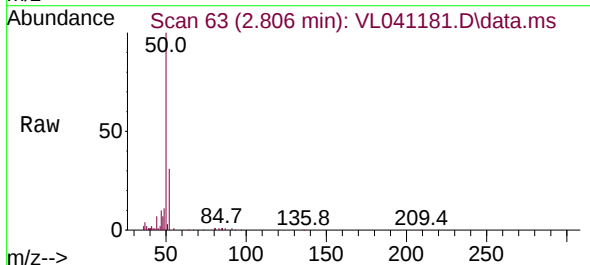
Instrument :
MSVOA_L
ClientSampleId :

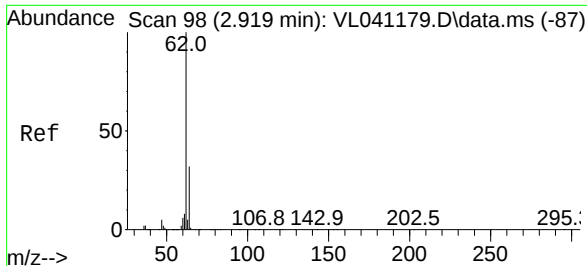
Tgt Ion: 51 Resp: 167364
Ion Ratio Lower Upper
51 100
67 16.1 14.0 21.0



#4
Chloromethane
Concen: 1.014 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.003 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Tgt Ion: 50 Resp: 64506
Ion Ratio Lower Upper
50 100
52 30.9 28.3 42.5

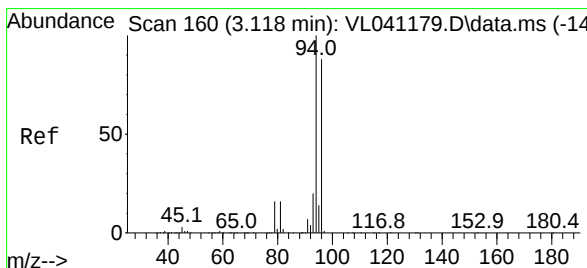
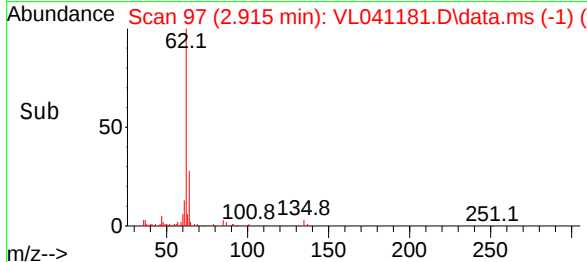
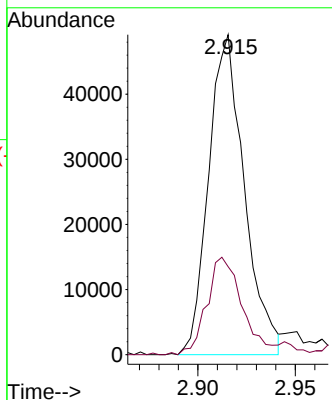
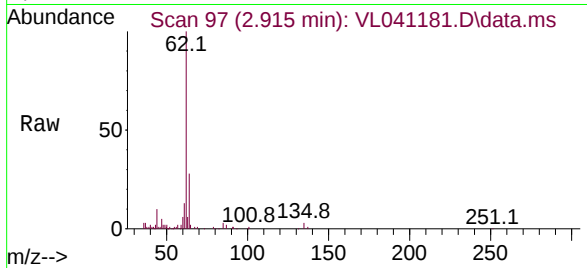




#5
 Vinyl Chloride
 Concen: 1.015 ppbv
 RT: 2.915 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL041181.D
 Acq: 29 Apr 2024 12:48

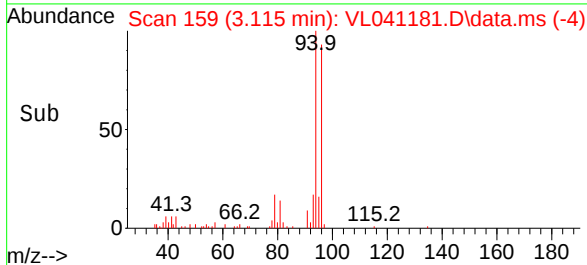
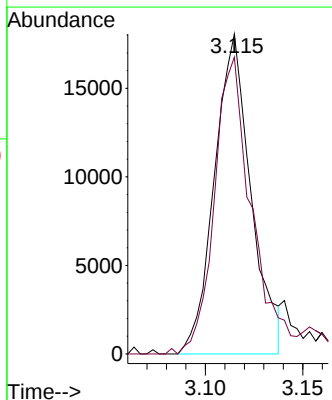
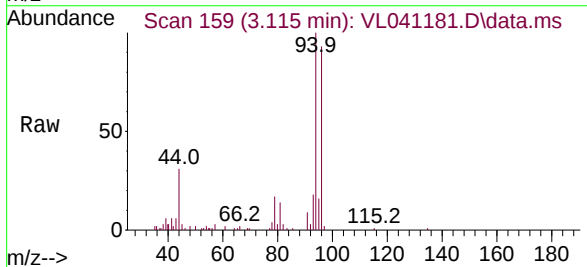
Instrument :
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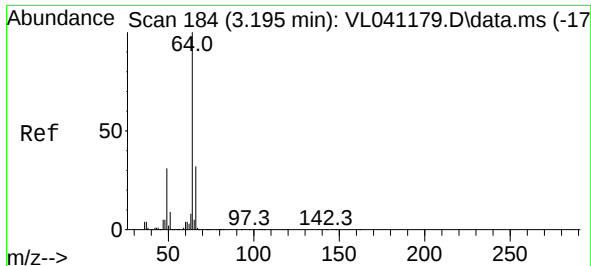
Tgt Ion: 62 Resp: 62623
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.7 38.5



#6
 Bromomethane
 Concen: 1.031 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VL041181.D
 Acq: 29 Apr 2024 12:48

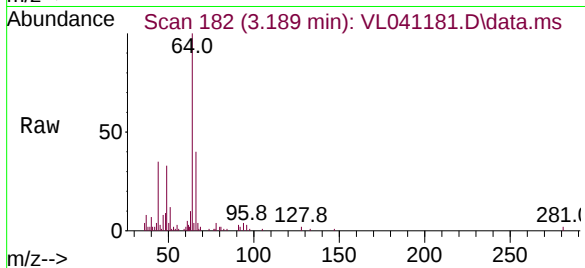
Tgt Ion: 94 Resp: 23574
 Ion Ratio Lower Upper
 94 100
 96 92.7 70.1 105.1



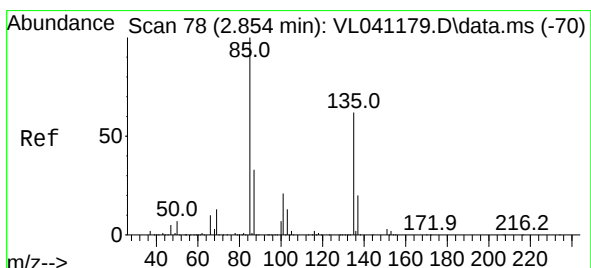
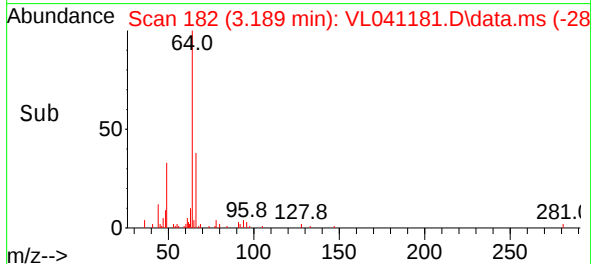
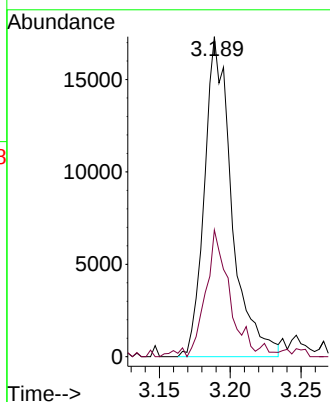


#7
Chloroethane
Concen: 1.038 ppbv
RT: 3.189 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Instrument :
MSVOA_L
ClientSampleId :

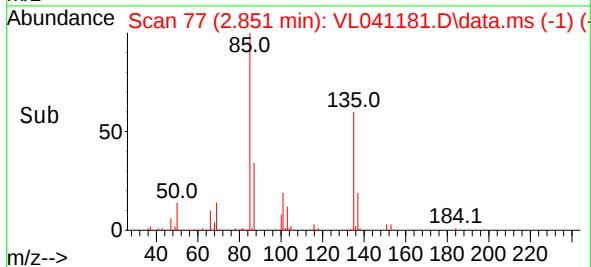
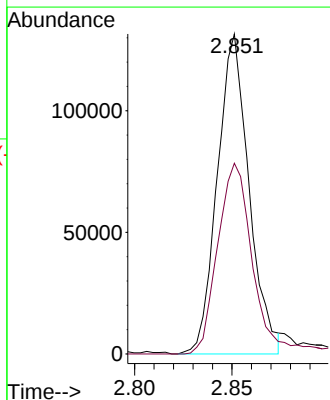
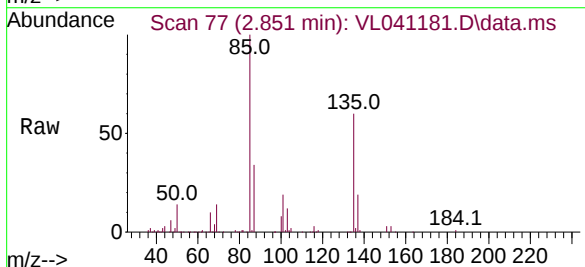


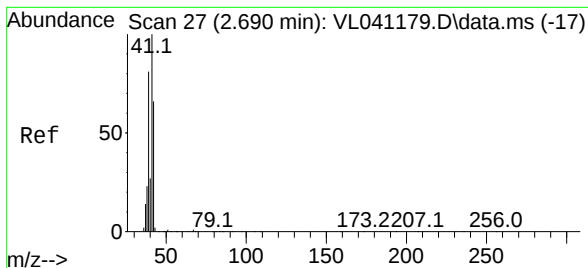
Tgt Ion: 64 Resp: 23239
Ion Ratio Lower Upper
64 100
66 39.6 25.4 38.2#



#8
Dichlorotetrafluoroethane
Concen: 1.014 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Tgt Ion: 85 Resp: 148578
Ion Ratio Lower Upper
85 100
135 68.7 51.5 77.3





#9

Propene

Concen: 1.014 ppbv

RT: 2.687 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

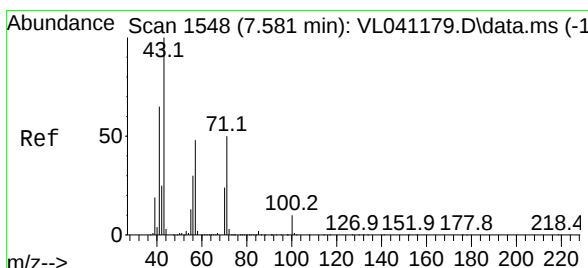
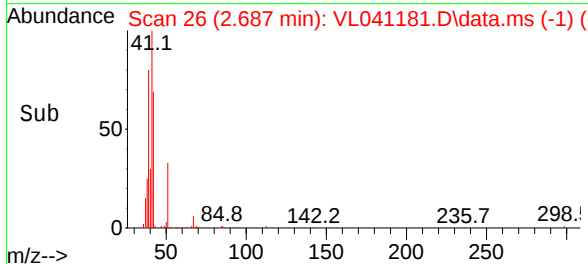
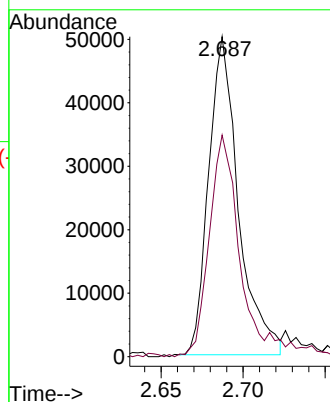
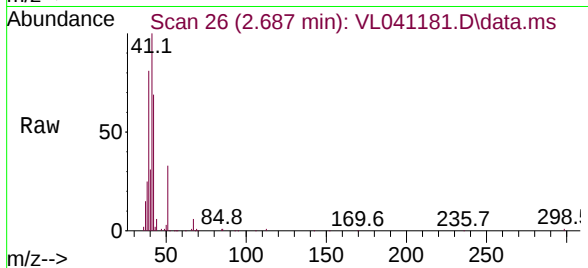
ClientSampleId :

Tgt Ion: 41 Resp: 63246

Ion Ratio Lower Upper

41 100

42 73.5 55.3 82.9



#10

Heptane

Concen: 1.048 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. -0.010 min

Lab File: VL041181.D

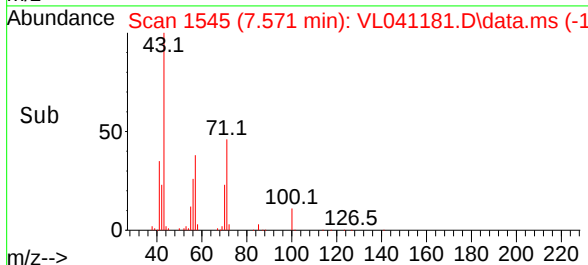
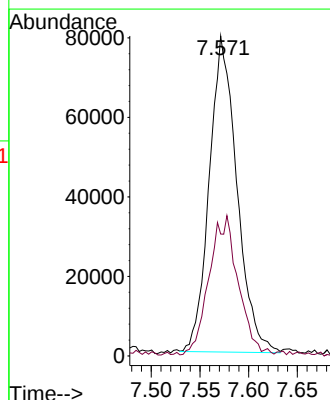
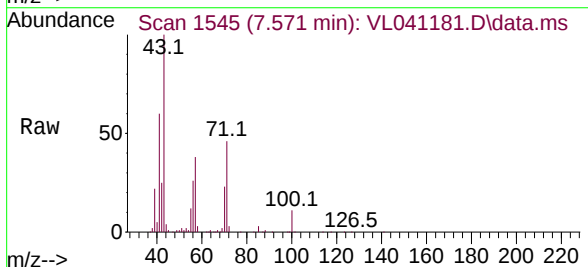
Acq: 29 Apr 2024 12:48

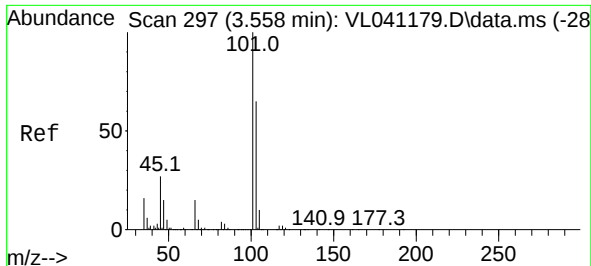
Tgt Ion: 43 Resp: 156575

Ion Ratio Lower Upper

43 100

57 47.3 38.7 58.1





#11

Trichlorofluoromethane

Concen: 1.024 ppbv

RT: 3.555 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

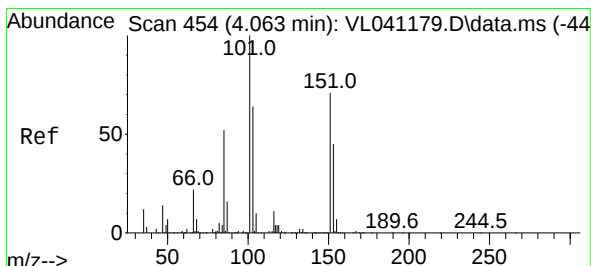
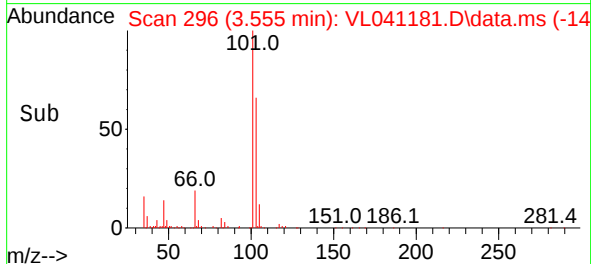
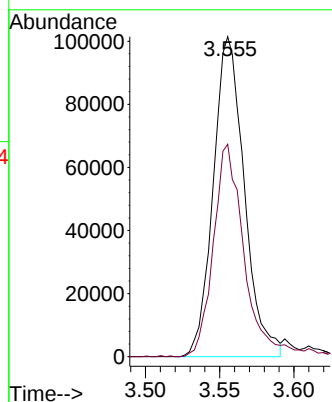
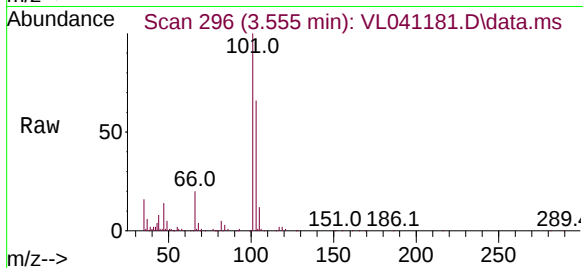
ClientSampleId :

Tgt Ion:101 Resp: 147438

Ion Ratio Lower Upper

101 100

103 66.4 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.066 ppbv

RT: 4.057 min Scan# 452

Delta R.T. -0.006 min

Lab File: VL041181.D

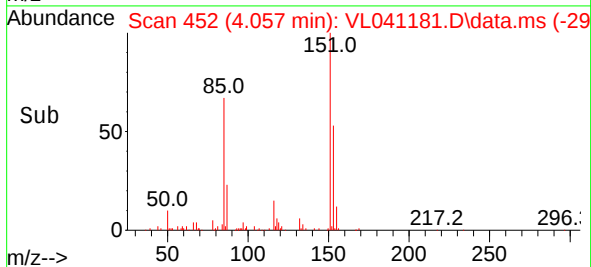
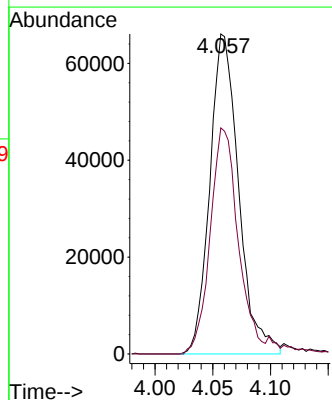
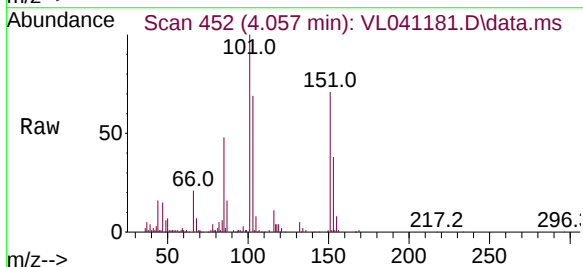
Acq: 29 Apr 2024 12:48

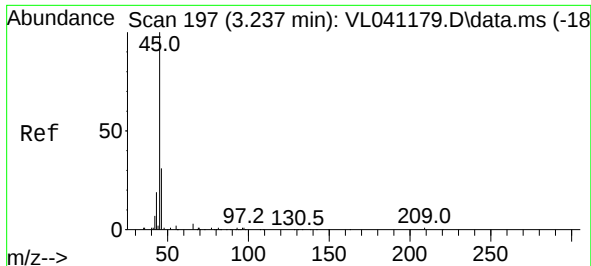
Tgt Ion:101 Resp: 114620

Ion Ratio Lower Upper

101 100

151 72.1 56.8 85.2

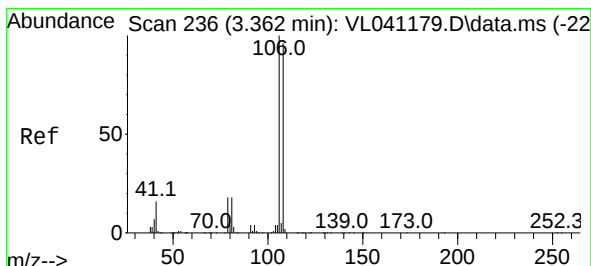
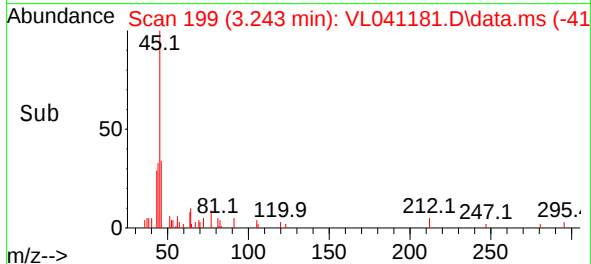
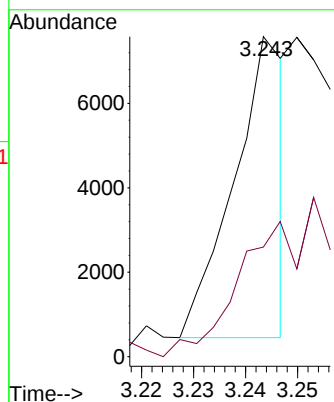
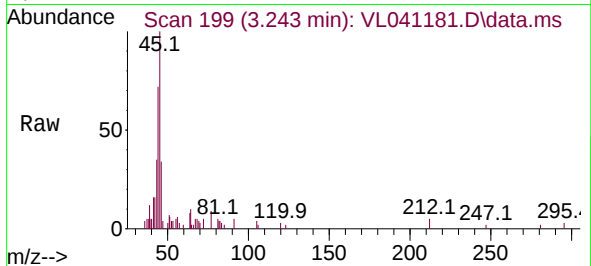




#13
Ethanol
Concen: 0.357 ppbv
RT: 3.243 min Scan# 197
Delta R.T. 0.006 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

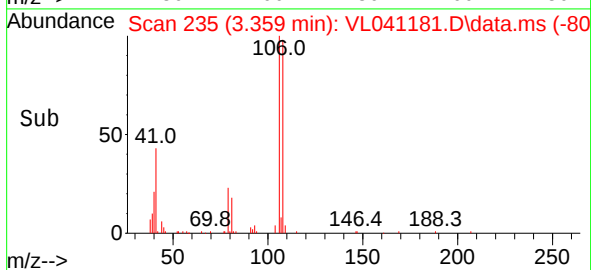
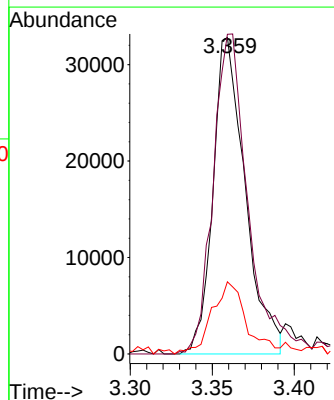
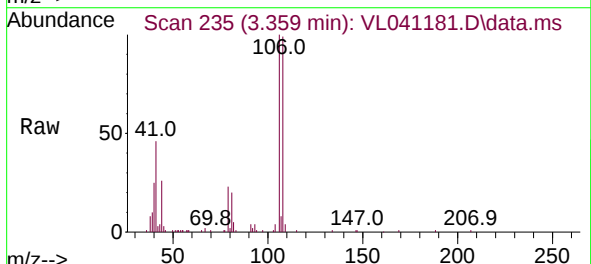
Instrument :
MSVOA_L
ClientSampleId :

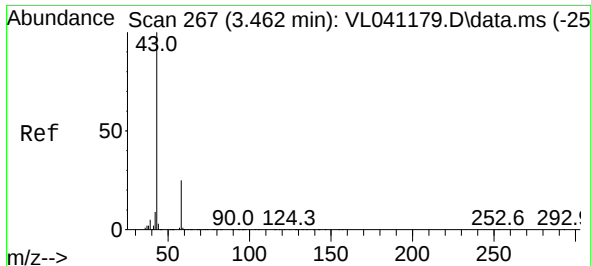
Tgt Ion: 45 Resp: 4815
Ion Ratio Lower Upper
45 100
46 6.7 14.8 59.0#



#14
Bromoethene
Concen: 1.001 ppbv
RT: 3.359 min Scan# 235
Delta R.T. -0.003 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Tgt Ion:108 Resp: 44841
Ion Ratio Lower Upper
108 100
106 111.2 88.2 132.4
79 27.1 17.4 26.0#





#15

Acetone

Concen: 1.055 ppbv

RT: 3.469 min Scan# 2

Delta R.T. 0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

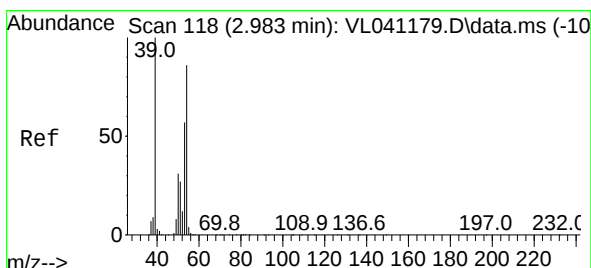
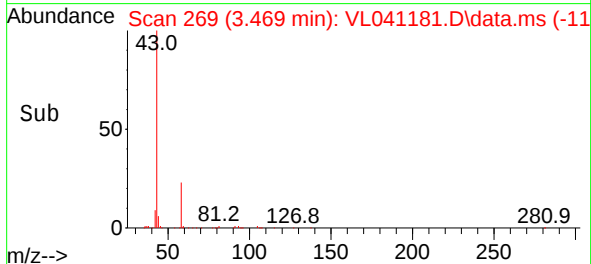
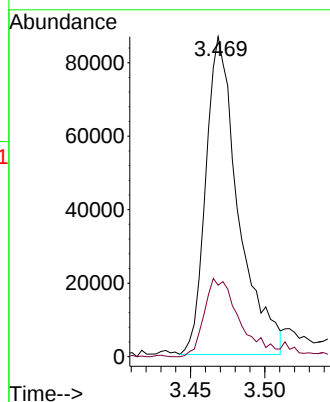
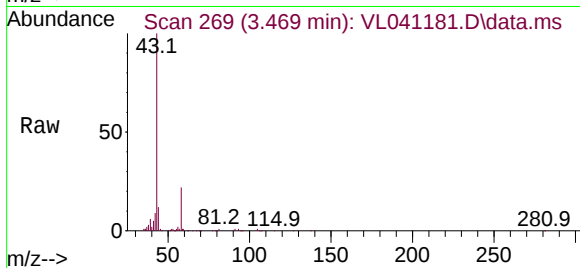
ClientSampleId :

Tgt Ion: 43 Resp: 132022

Ion Ratio Lower Upper

43 100

58 29.8 21.4 32.0



#16

1,3-Butadiene

Concen: 1.057 ppbv

RT: 2.977 min Scan# 116

Delta R.T. -0.006 min

Lab File: VL041181.D

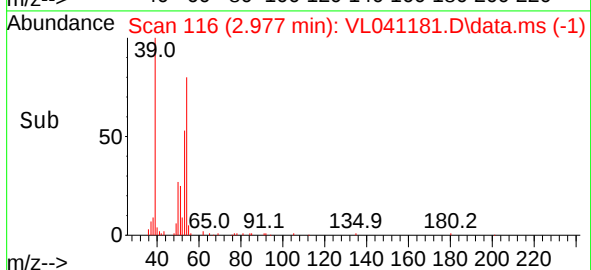
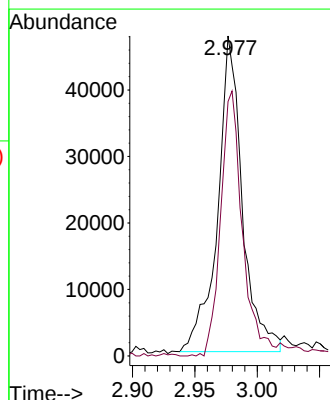
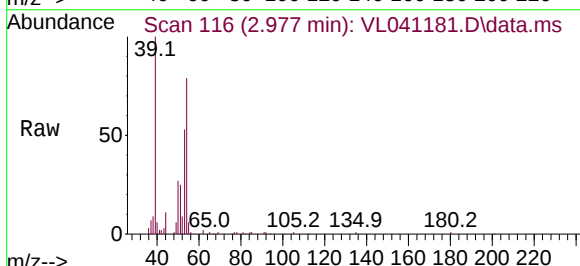
Acq: 29 Apr 2024 12:48

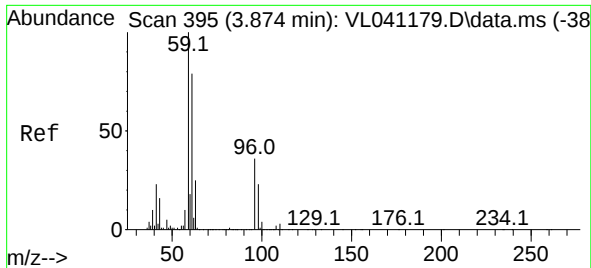
Tgt Ion: 39 Resp: 65759

Ion Ratio Lower Upper

39 100

54 77.8 62.2 93.4





#17

tert-Butyl alcohol

Concen: 1.014 ppbv

RT: 3.877 min Scan# 395

Delta R.T. 0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

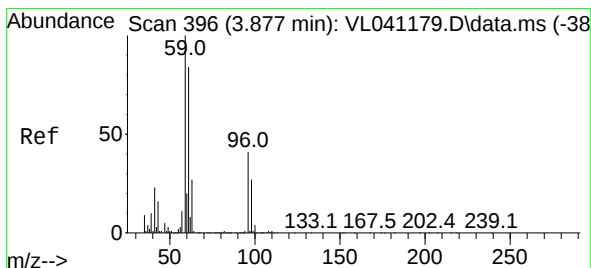
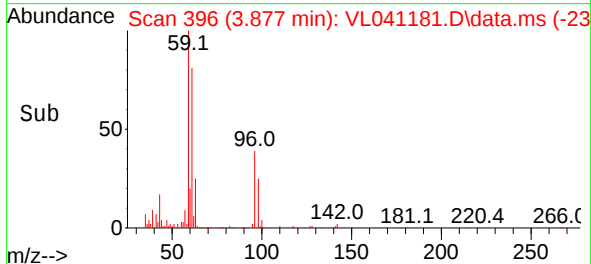
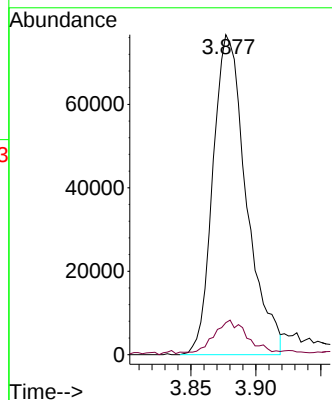
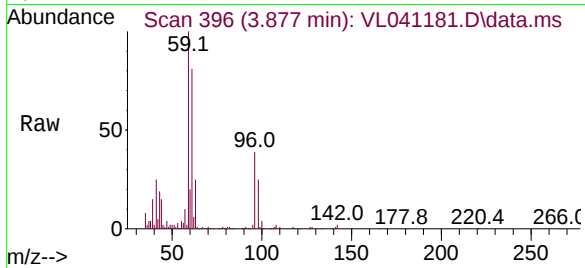
ClientSampleId :

Tgt Ion: 59 Resp: 137225

Ion Ratio Lower Upper

59 100

57 12.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 0.944 ppbv

RT: 3.870 min Scan# 394

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

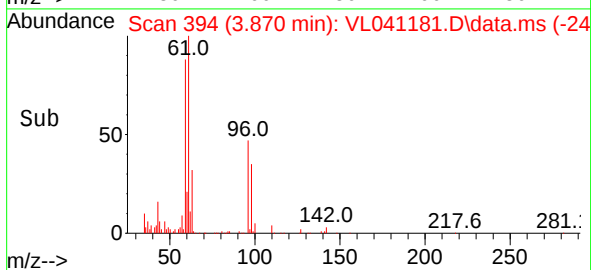
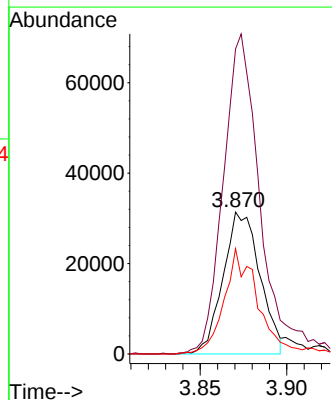
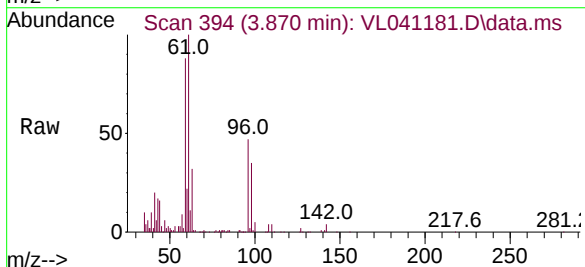
Tgt Ion: 96 Resp: 46565

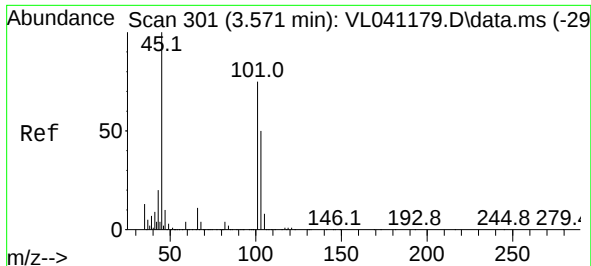
Ion Ratio Lower Upper

96 100

61 214.0 164.4 246.6

98 73.6 51.8 77.8





#19

Isopropyl Alcohol

Concen: 0.958 ppbv

RT: 3.581 min Scan# 301

Delta R.T. 0.010 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

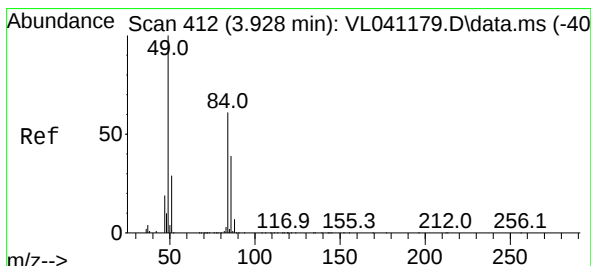
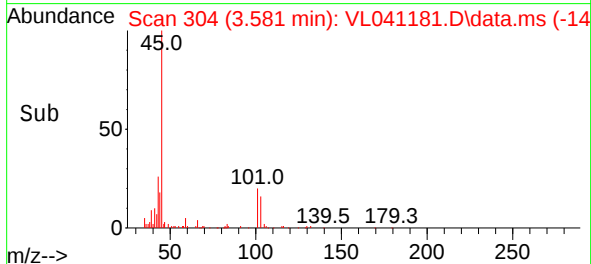
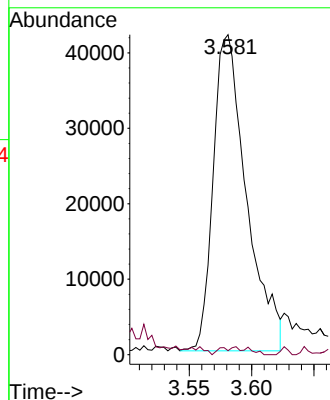
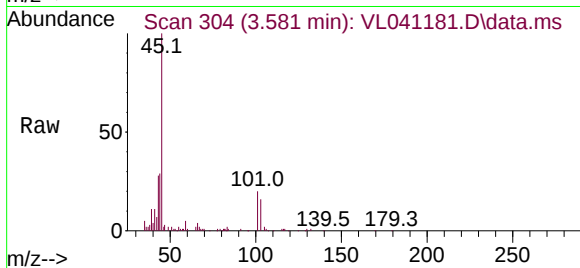
ClientSampleId :

Tgt Ion: 45 Resp: 77920

Ion Ratio Lower Upper

45 100

58 1.9 26.8 40.2#



#20

Methylene Chloride

Concen: 1.012 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Tgt Ion: 84 Resp: 43959

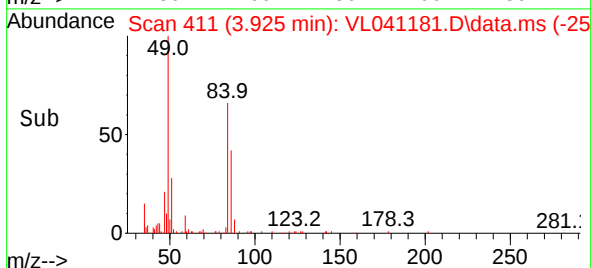
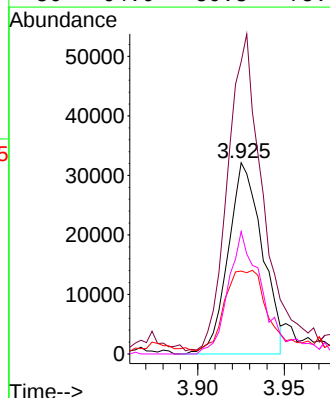
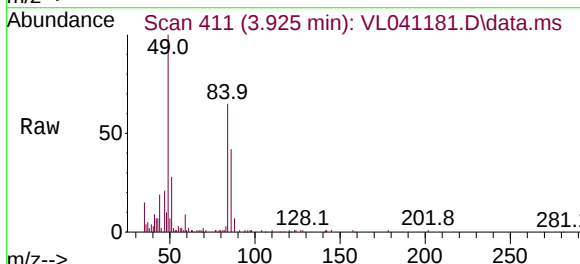
Ion Ratio Lower Upper

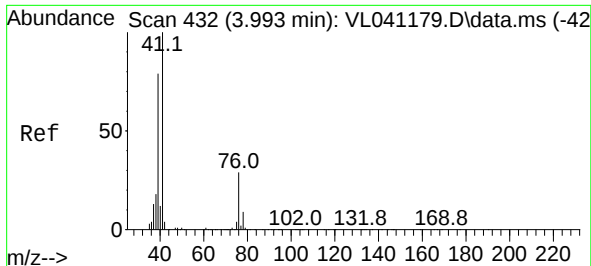
84 100

49 148.0 130.4 195.6

51 40.6 38.0 57.0

86 64.0 50.3 75.5





#21

Allyl Chloride

Concen: 1.005 ppbv

RT: 3.986 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

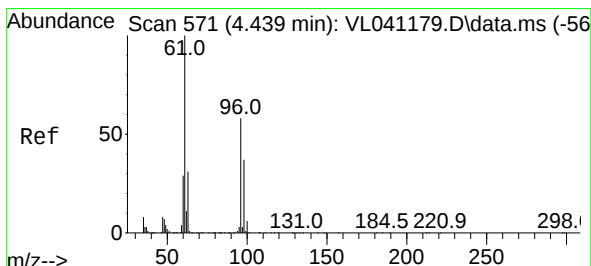
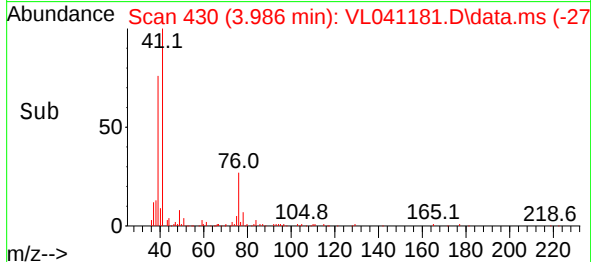
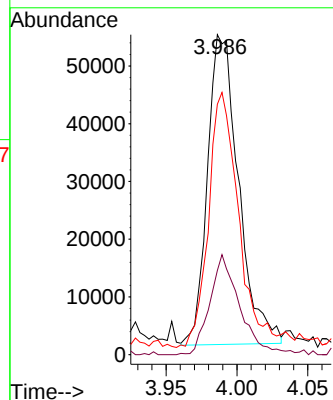
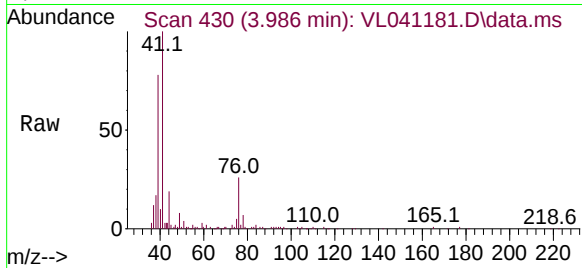
Tgt Ion: 41 Resp: 81962

Ion Ratio Lower Upper

41 100

76 31.3 23.7 35.5

39 83.9 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 1.012 ppbv

RT: 4.440 min Scan# 571

Delta R.T. 0.000 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

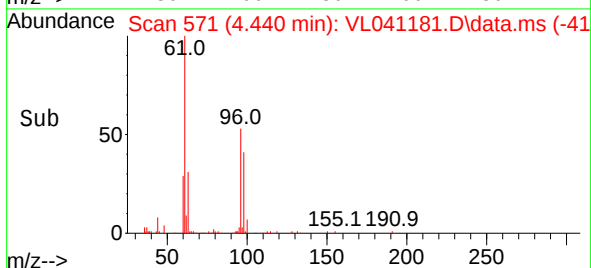
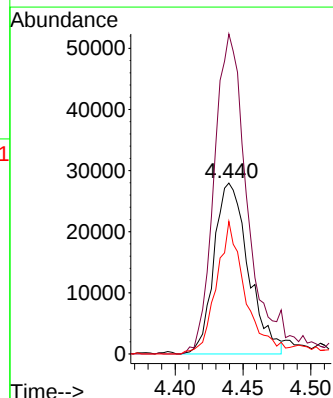
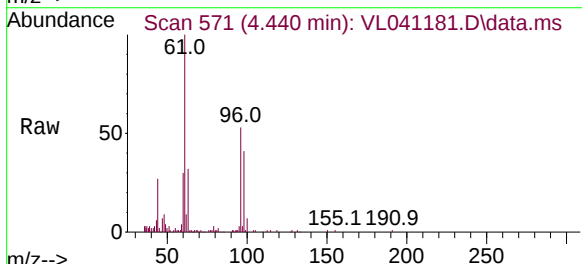
Tgt Ion: 96 Resp: 49275

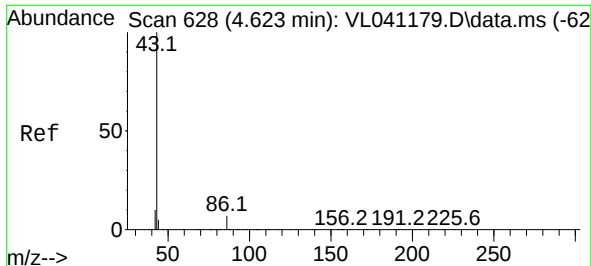
Ion Ratio Lower Upper

96 100

61 187.3 137.6 206.4

98 77.6 50.6 76.0#

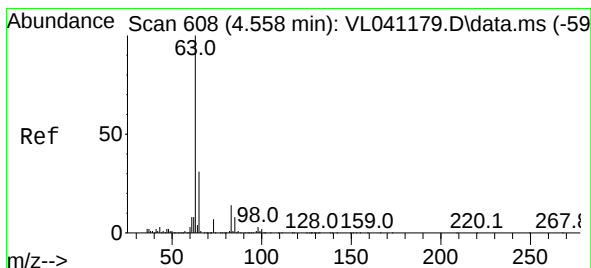
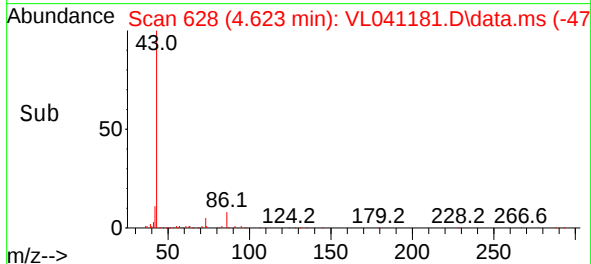
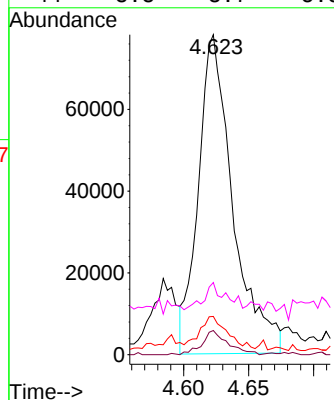
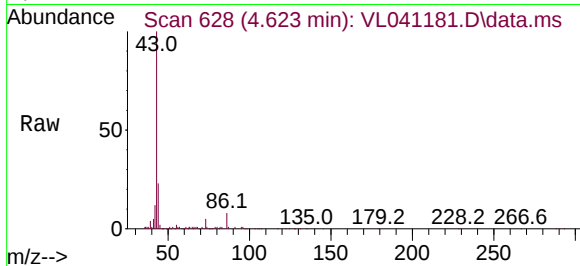




#23
 Vinyl Acetate
 Concen: 1.046 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041181.D
 Acq: 29 Apr 2024 12:48

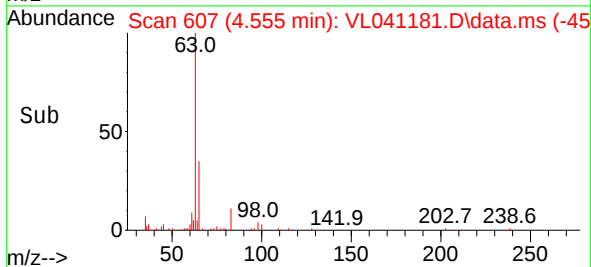
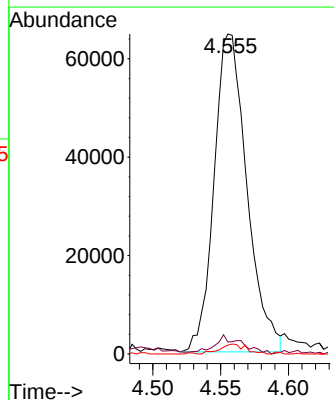
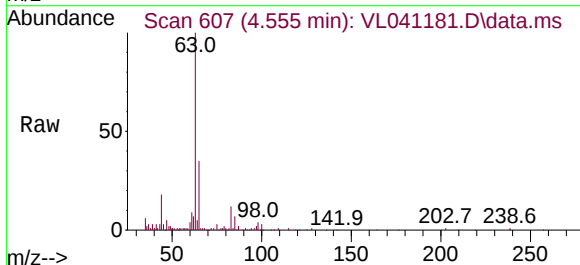
Instrument :
 MSVOA_1
 ClientSampleId :

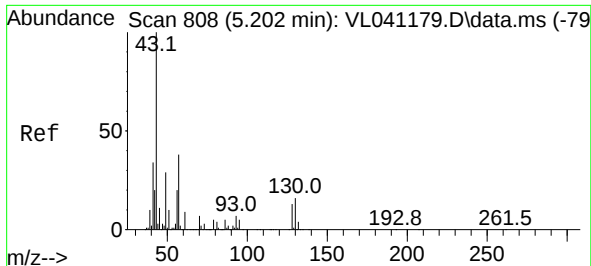
Tgt Ion: 43 Resp: 144403
 Ion Ratio Lower Upper
 43 100
 86 8.2 4.9 7.3#
 42 10.6 8.0 12.0
 44 8.8 3.7 5.5#



#24
 1,1-Dichloroethane
 Concen: 1.024 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL041181.D
 Acq: 29 Apr 2024 12:48

Tgt Ion: 63 Resp: 108957
 Ion Ratio Lower Upper
 63 100
 98 3.2 1.6 4.8
 100 2.8 1.1 3.5





#25

Ethyl Acetate

Concen: 1.042 ppbv

RT: 5.205 min Scan# 808

Delta R.T. 0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 255793

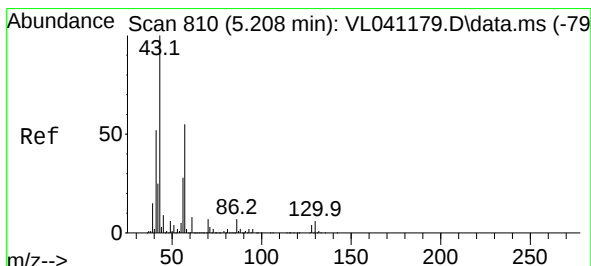
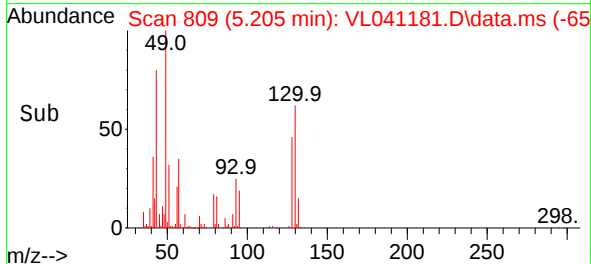
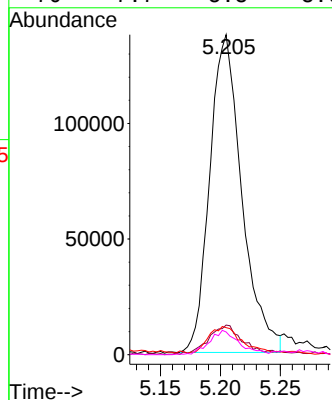
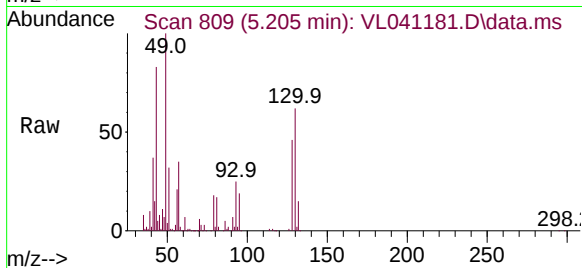
Ion Ratio Lower Upper

43 100

45 11.2 8.2 12.2

61 10.3 7.7 11.5

70 7.7 5.8 8.6



#26

Hexane

Concen: 0.479 ppbv

RT: 5.202 min Scan# 808

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Tgt Ion: 57 Resp: 52025

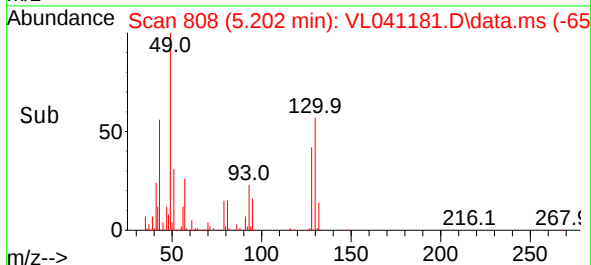
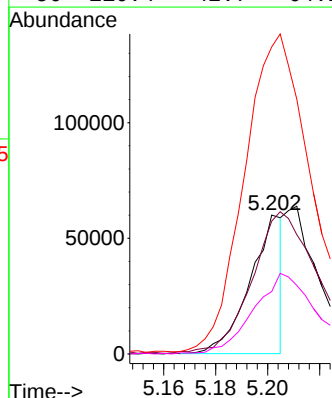
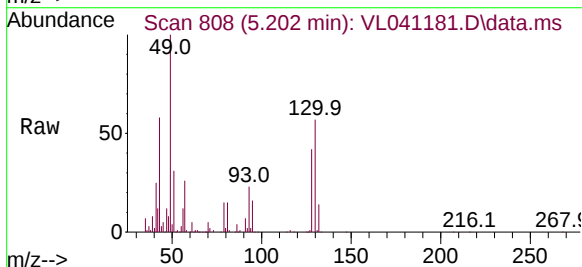
Ion Ratio Lower Upper

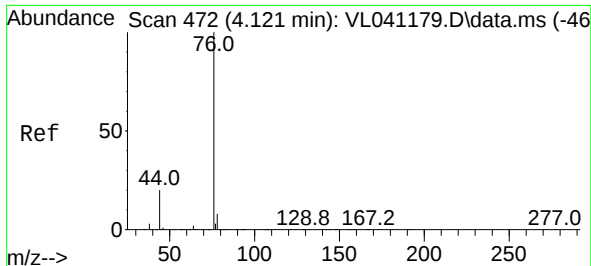
57 100

41 215.6 75.8 113.8#

43 513.1 187.0 280.4#

56 116.4 42.7 64.1#

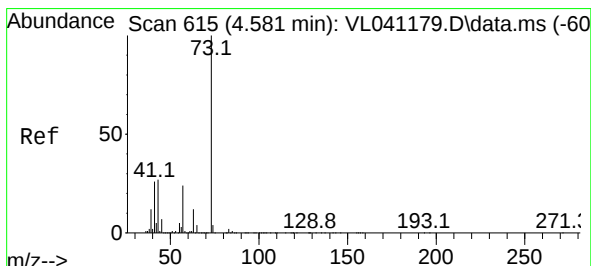
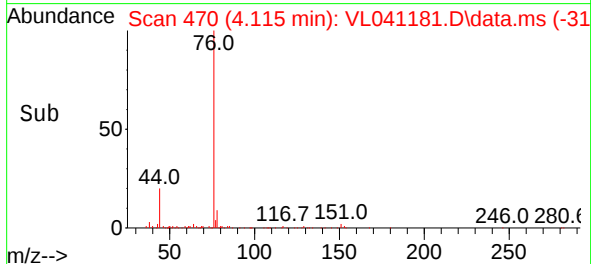
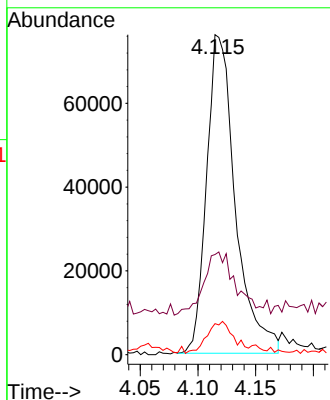
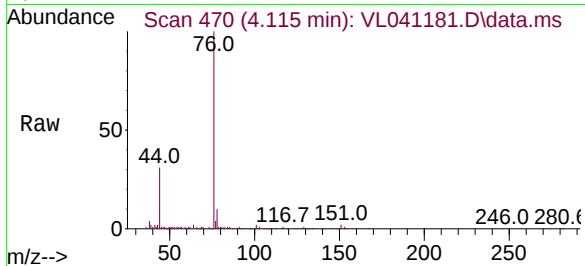




#27
Carbon Disulfide
Concen: 1.024 ppbv
RT: 4.115 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

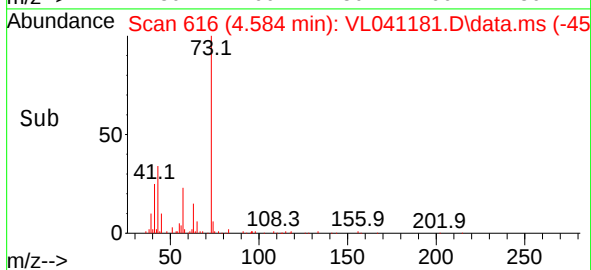
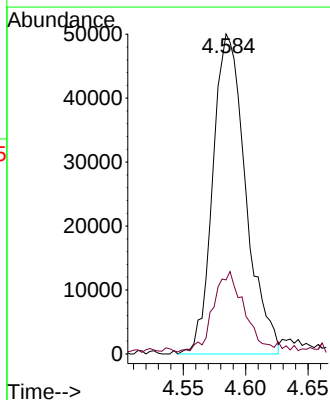
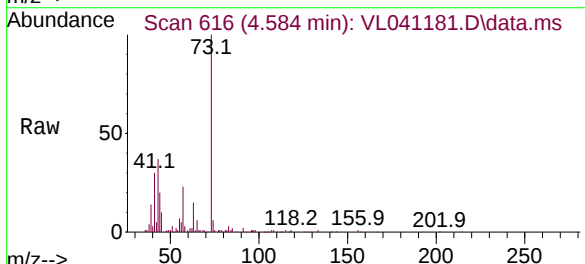
Instrument :
MSVOA_L
ClientSampleId :

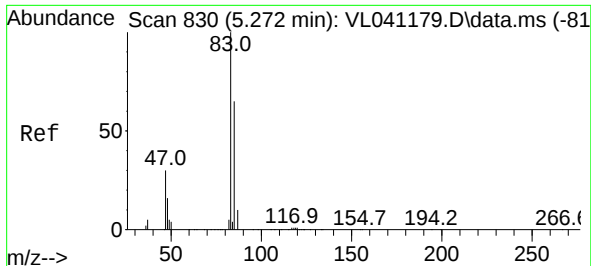
Tgt Ion: 76 Resp: 132020
Ion Ratio Lower Upper
76 100
44 27.4 16.3 24.5#
78 11.5 7.3 10.9#



#28
Methyl tert-Butyl Ether
Concen: 1.037 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.003 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Tgt Ion: 73 Resp: 91678
Ion Ratio Lower Upper
73 100
57 27.6 18.8 28.2





#29

Chloroform

Concen: 1.018 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

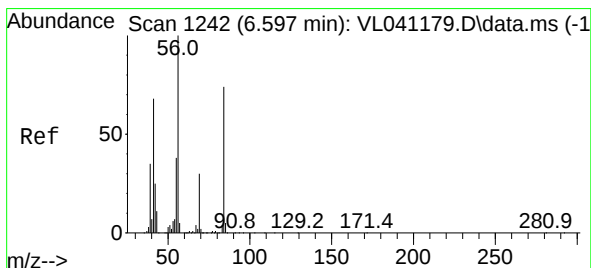
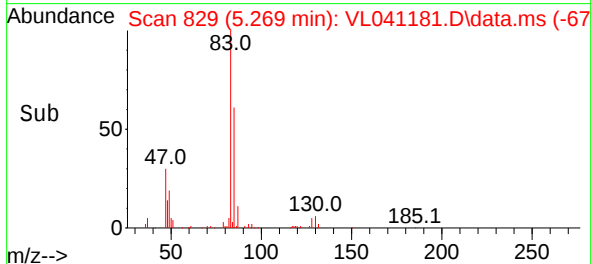
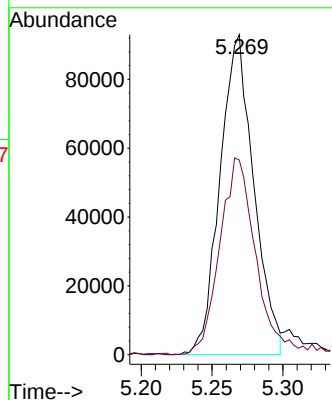
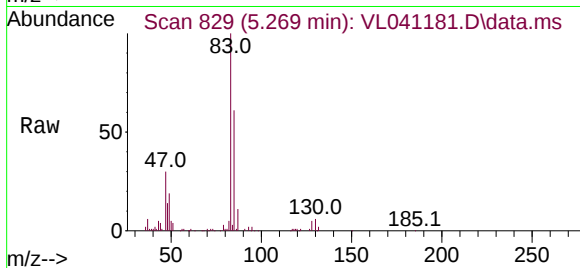
ClientSampleId :

Tgt Ion: 83 Resp: 154421

Ion Ratio Lower Upper

83 100

85 60.6 51.7 77.5



#30

Cyclohexane

Concen: 1.010 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

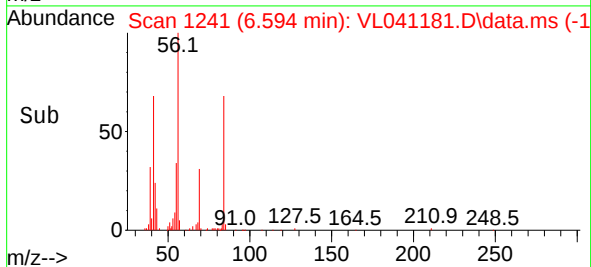
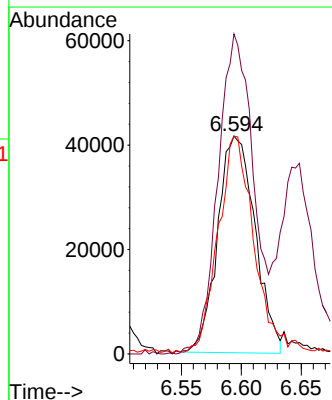
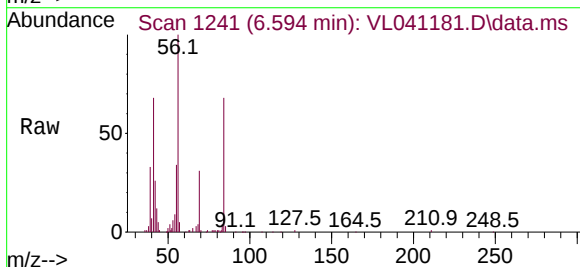
Tgt Ion: 84 Resp: 90083

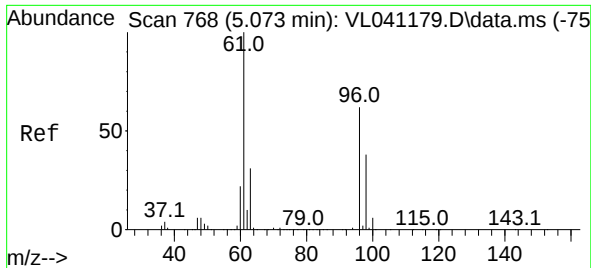
Ion Ratio Lower Upper

84 100

56 139.5 116.8 175.2

41 98.3 73.8 110.8

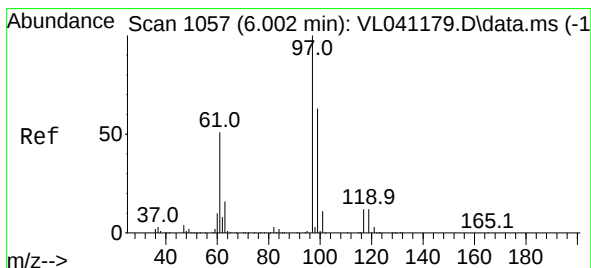
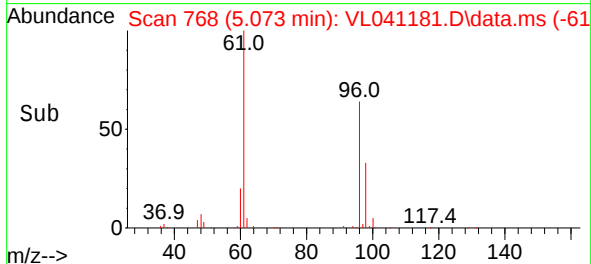
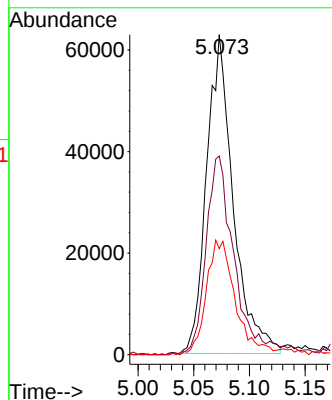
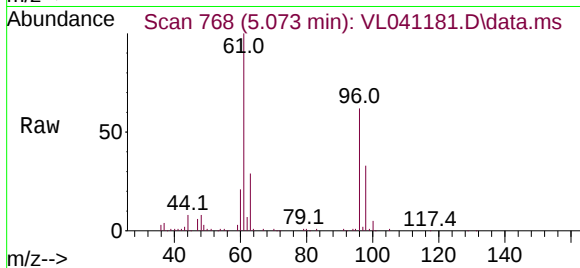




#31
 cis-1,2-Dichloroethene
 Concen: 1.005 ppbv
 RT: 5.073 min Scan# 768
 Delta R.T. 0.000 min
 Lab File: VL041181.D
 Acq: 29 Apr 2024 12:48

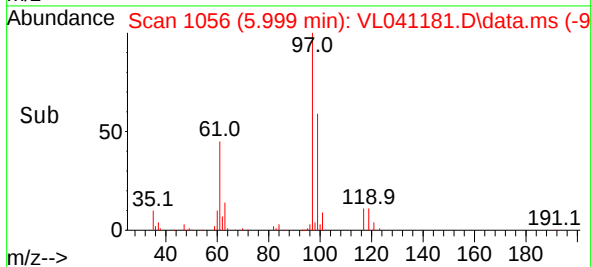
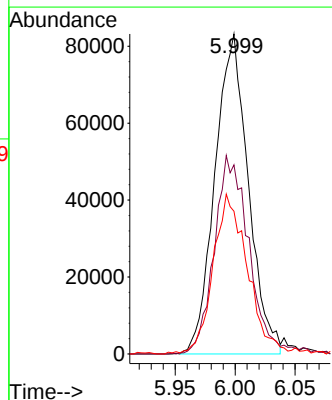
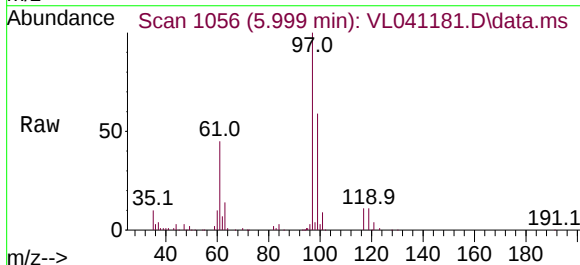
Instrument :
 MSVOA_L
 ClientSampleId :

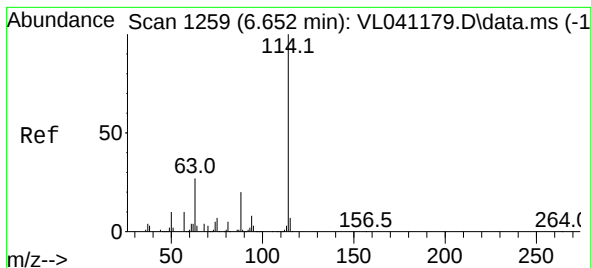
Tgt Ion: 61 Resp: 104548
 Ion Ratio Lower Upper
 61 100
 96 62.3 49.8 74.6
 98 32.7 30.0 45.0



#32
 1,1,1-Trichloroethane
 Concen: 1.057 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.003 min
 Lab File: VL041181.D
 Acq: 29 Apr 2024 12:48

Tgt Ion: 97 Resp: 160820
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.7 77.5
 61 52.4 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

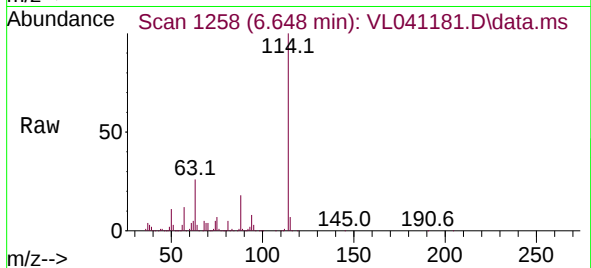
Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :



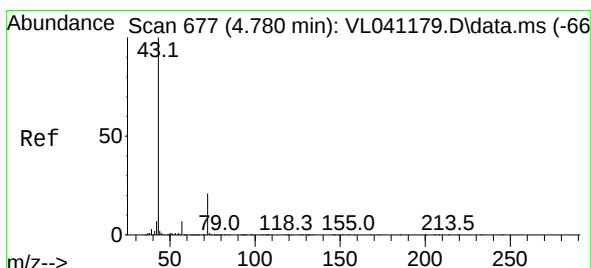
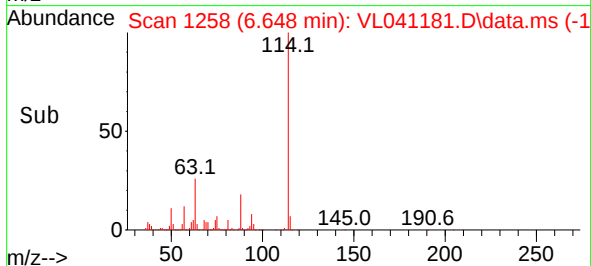
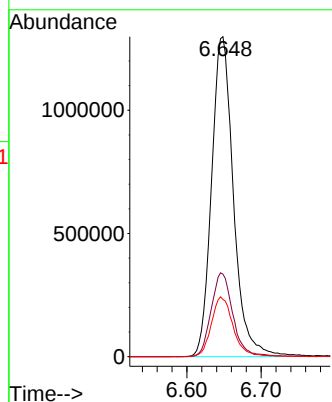
Tgt Ion:114 Resp: 2650686

Ion Ratio Lower Upper

114 100

63 26.4 21.8 32.6

88 18.8 15.2 22.8



#34

2-Butanone

Concen: 1.127 ppbv

RT: 4.787 min Scan# 679

Delta R.T. 0.006 min

Lab File: VL041181.D

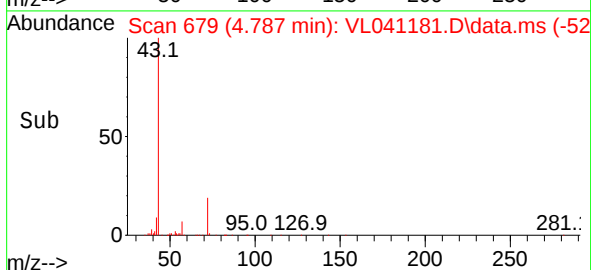
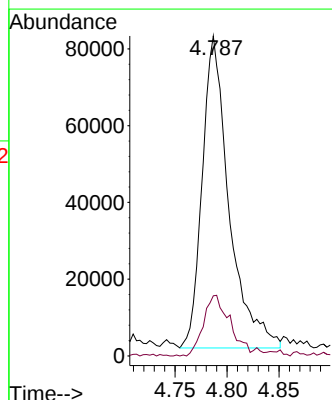
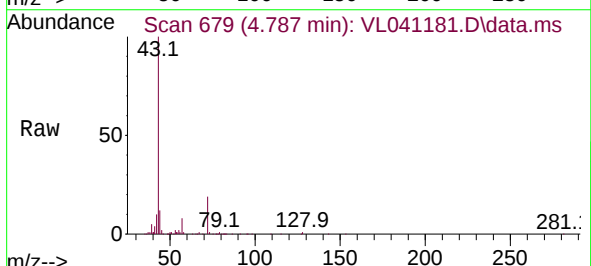
Acq: 29 Apr 2024 12:48

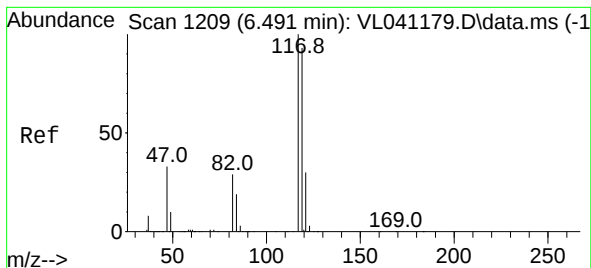
Tgt Ion: 43 Resp: 146130

Ion Ratio Lower Upper

43 100

72 21.5 17.3 25.9





#35

Carbon Tetrachloride

Concen: 1.022 ppbv

RT: 6.488 min Scan# 1169

Delta R.T. -0.003 min

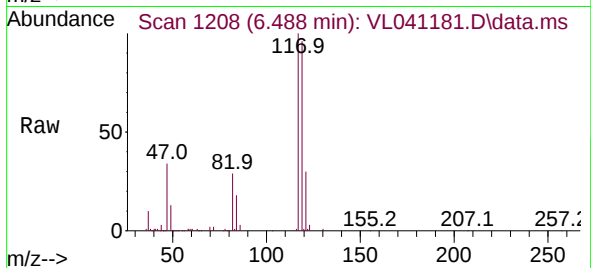
Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :



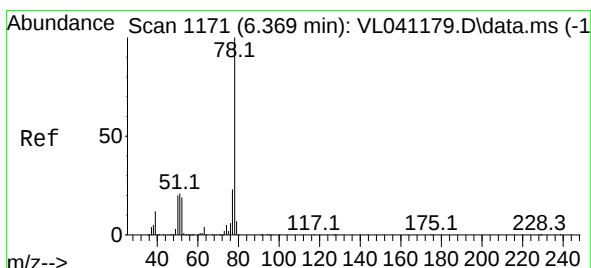
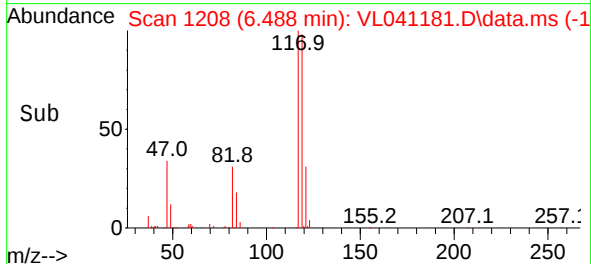
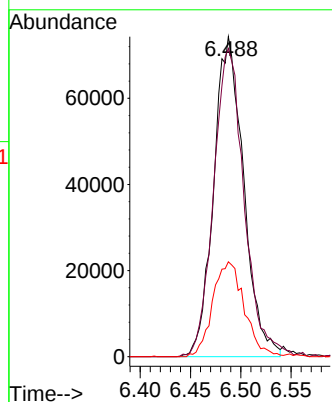
Tgt Ion:117 Resp: 153786

Ion Ratio Lower Upper

117 100

119 96.1 74.3 111.5

121 29.7 23.8 35.8



#36

Benzene

Concen: 1.068 ppbv

RT: 6.362 min Scan# 1169

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

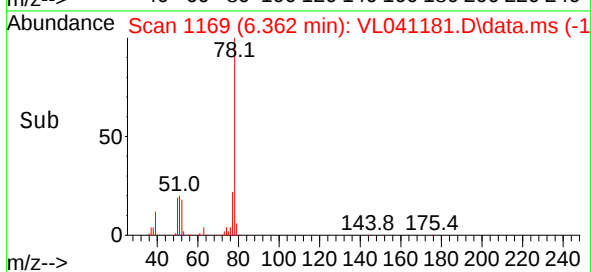
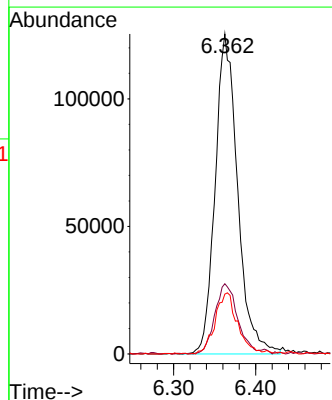
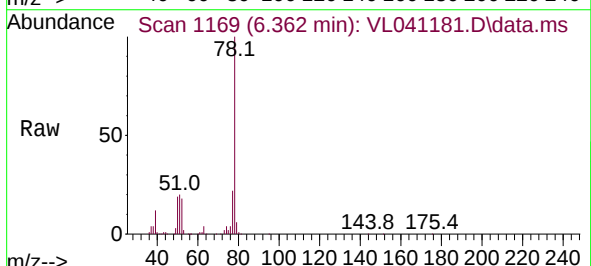
Tgt Ion: 78 Resp: 238138

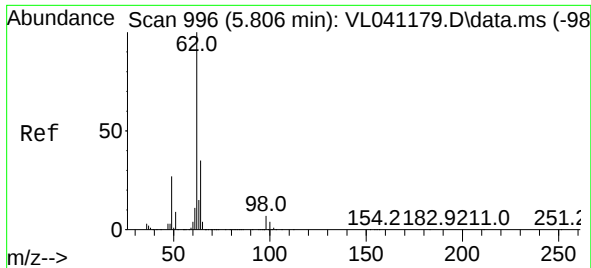
Ion Ratio Lower Upper

78 100

77 21.8 18.3 27.5

50 18.7 15.9 23.9

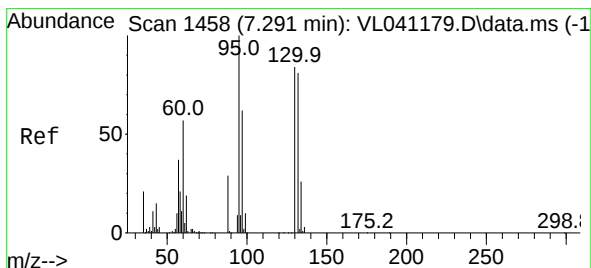
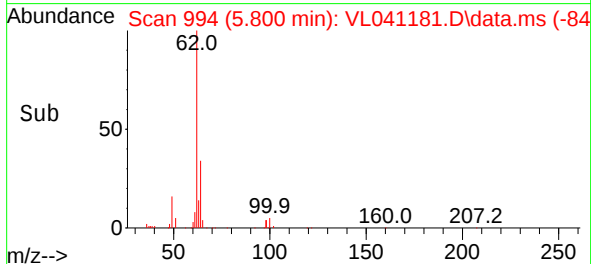
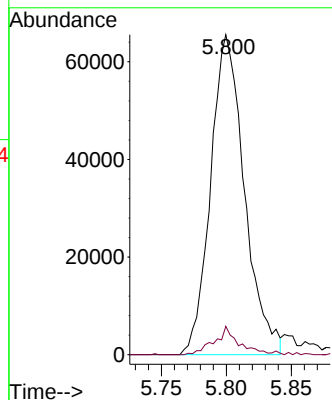
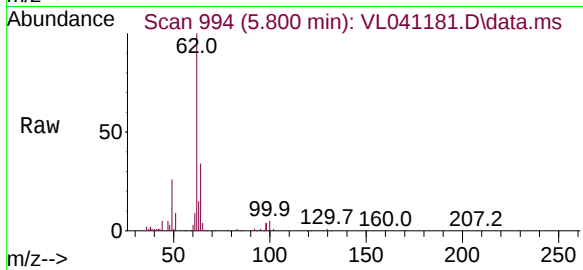




#37
1,2-Dichloroethane
Concen: 1.015 ppbv
RT: 5.800 min Scan# 996
Delta R.T. -0.006 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

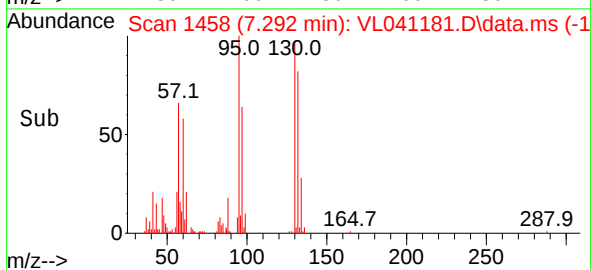
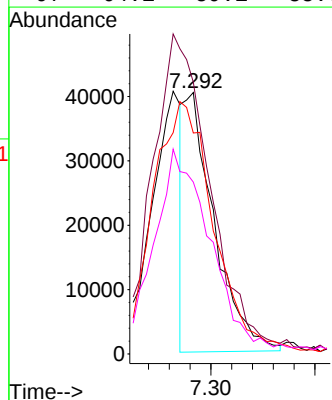
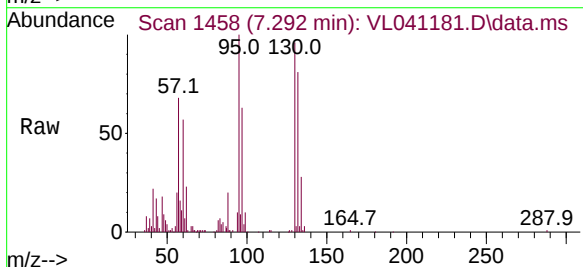
Instrument :
MSVOA_L
ClientSampleId :

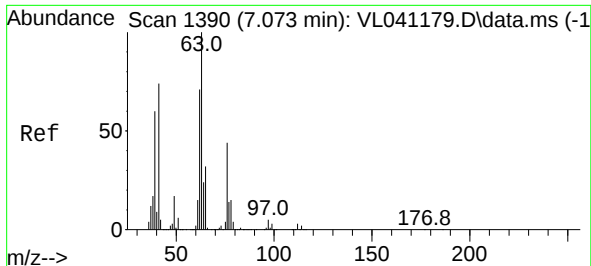
Tgt Ion: 62 Resp: 118480
Ion Ratio Lower Upper
62 100
98 6.4 5.0 7.4



#38
Trichloroethene
Concen: 0.480 ppbv
RT: 7.292 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Tgt Ion:130 Resp: 40413
Ion Ratio Lower Upper
130 100
95 103.2 95.0 142.6
132 83.5 77.0 115.4
97 64.1 59.1 88.7

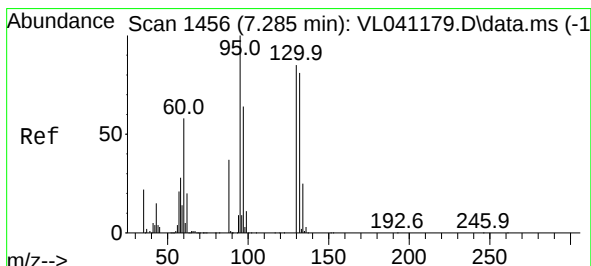
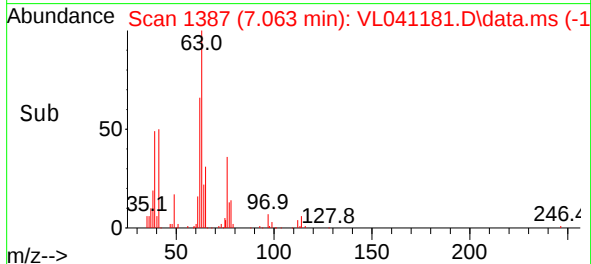
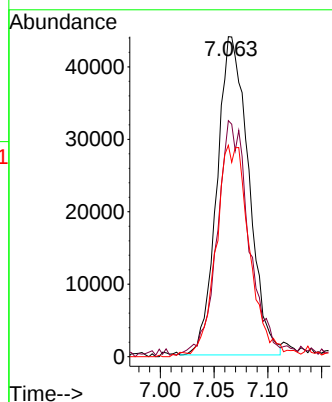
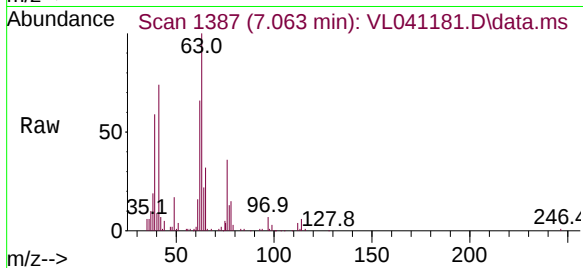




#39
1,2-Dichloropropane
Concen: 1.047 ppbv
RT: 7.063 min Scan# 1461
Delta R.T. -0.010 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

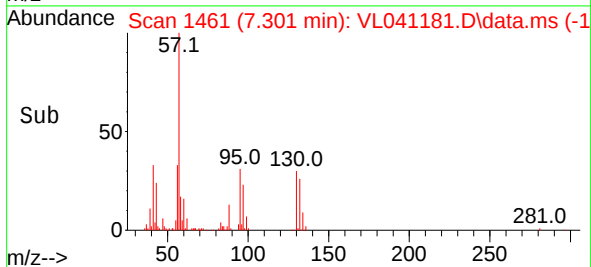
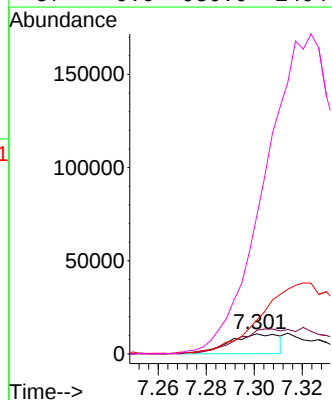
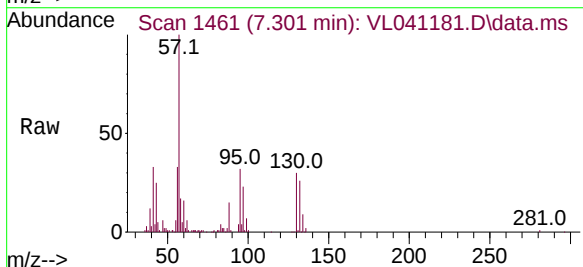
Instrument :
MSVOA_L
ClientSampleId :

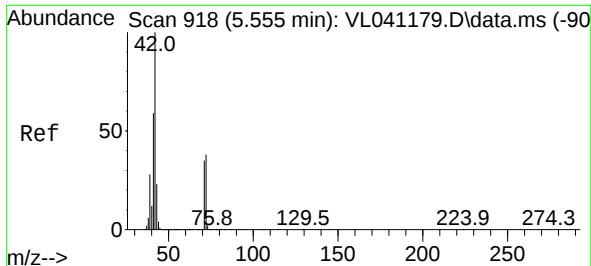
Tgt Ion: 63 Resp: 90185
Ion Ratio Lower Upper
63 100
41 73.0 59.4 89.0
62 65.1 56.8 85.2



#40
1,4-Dioxane
Concen: 0.501 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. 0.016 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Tgt Ion: 88 Resp: 15411
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: 1.004 ppbv

RT: 5.565 min Scan# 918

Delta R.T. 0.010 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

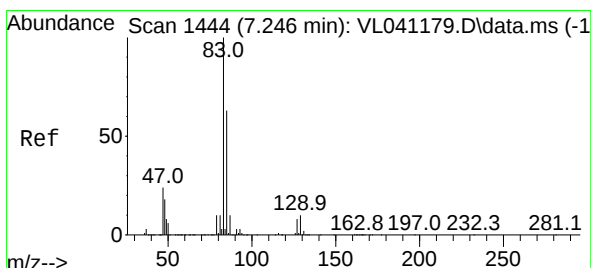
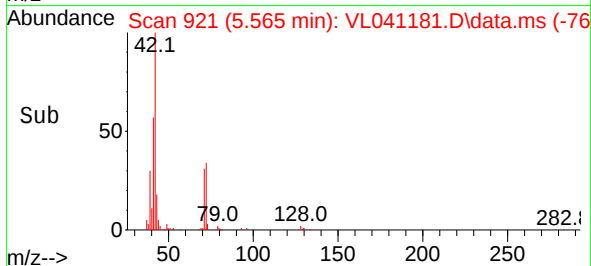
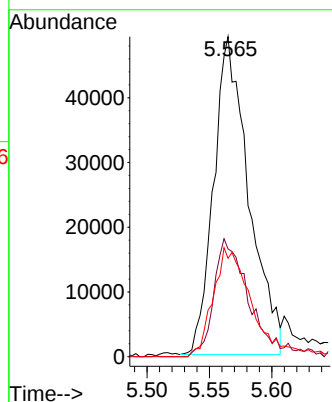
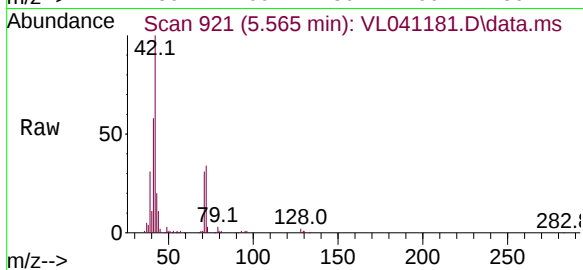
Tgt Ion: 42 Resp: 96300

Ion Ratio Lower Upper

42 100

72 37.9 29.4 44.0

71 38.0 29.1 43.7



#42

Bromodichloromethane

Concen: 1.009 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

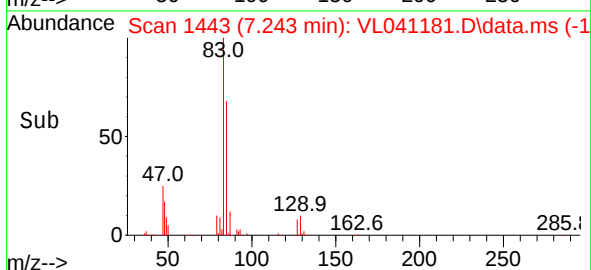
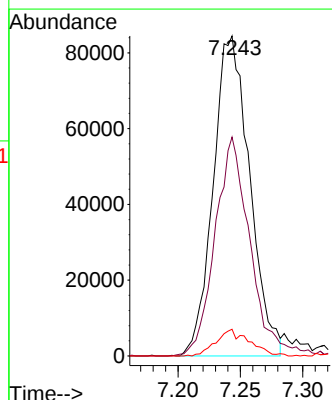
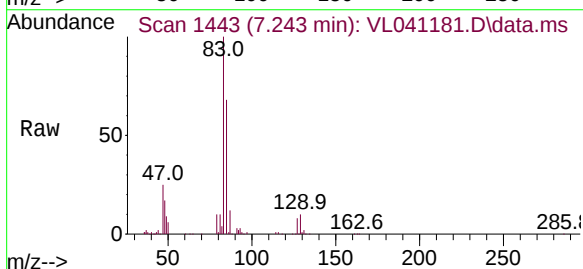
Tgt Ion: 83 Resp: 171873

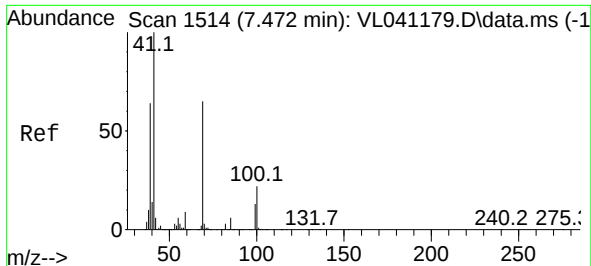
Ion Ratio Lower Upper

83 100

85 67.8 50.6 75.8

127 8.4 6.2 9.4





#43

Methyl Methacrylate

Concen: 1.032 ppbv

RT: 7.472 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

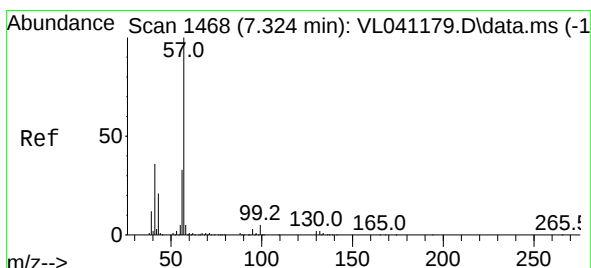
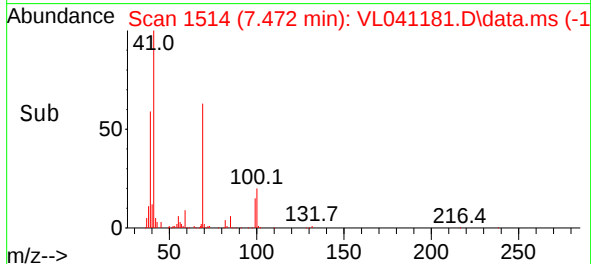
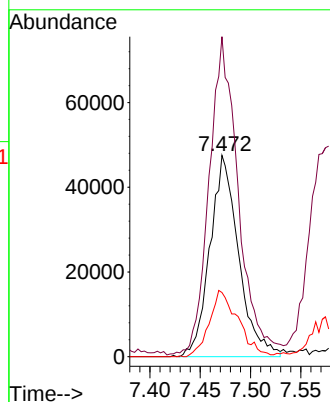
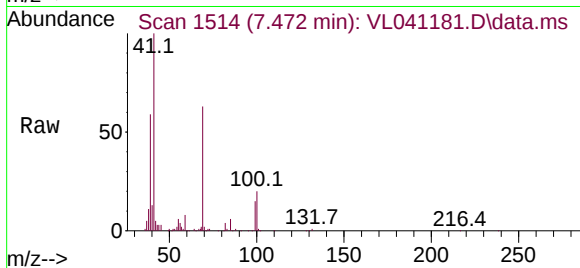
Tgt Ion: 69 Resp: 94441

Ion Ratio Lower Upper

69 100

41 159.9 125.2 187.8

100 33.8 26.7 40.1



#44

2,2,4-Trimethylpentane

Concen: 1.061 ppbv

RT: 7.324 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

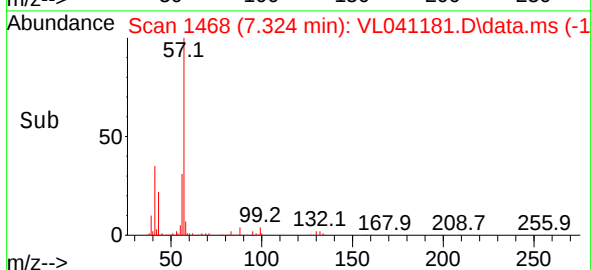
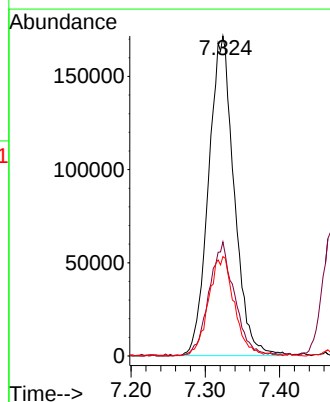
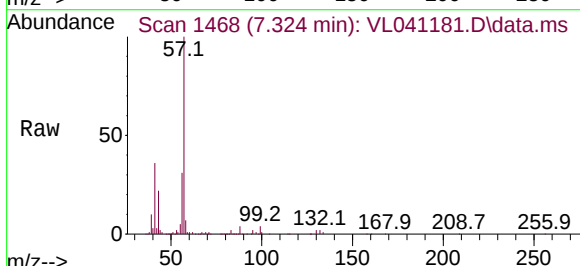
Tgt Ion: 57 Resp: 409495

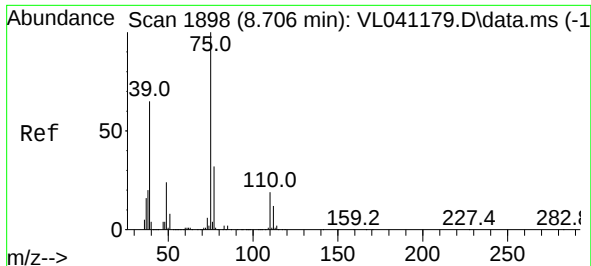
Ion Ratio Lower Upper

57 100

41 35.4 29.5 44.3

56 31.9 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 0.949 ppbv

RT: 8.706 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

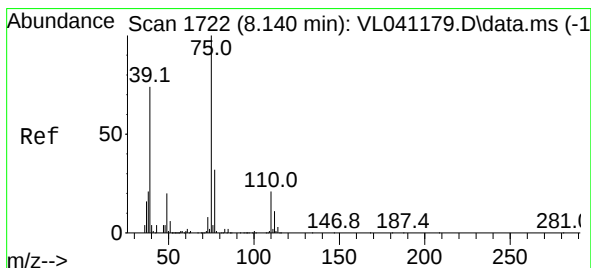
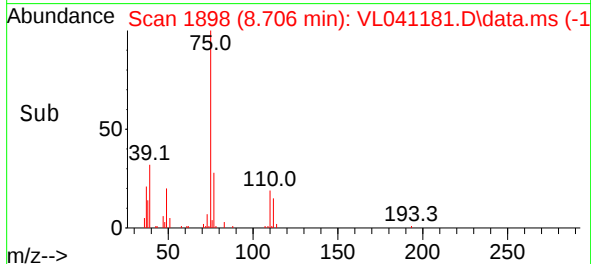
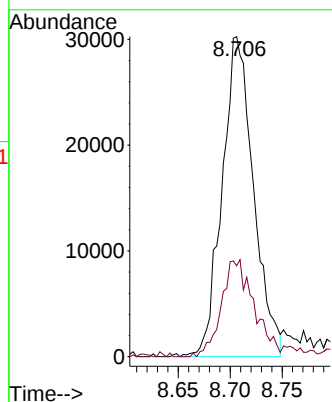
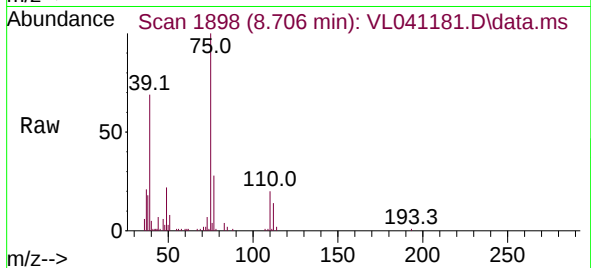
ClientSampleId :

Tgt Ion: 75 Resp: 63578

Ion Ratio Lower Upper

75 100

77 28.4 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 0.983 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. 0.000 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

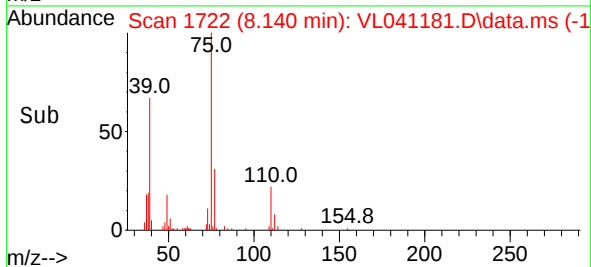
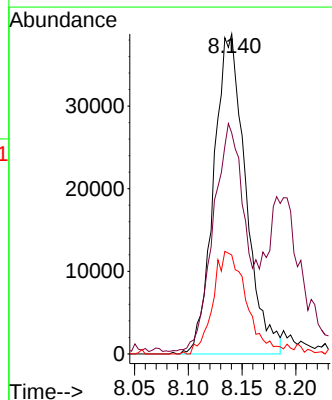
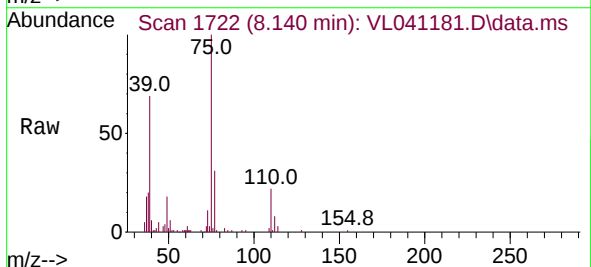
Tgt Ion: 75 Resp: 79736

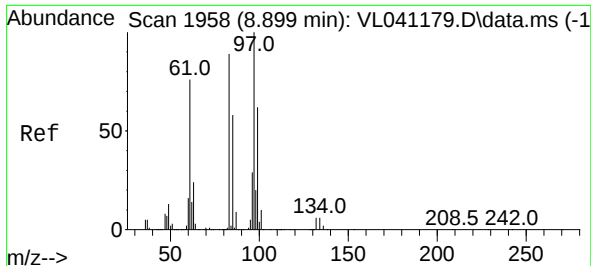
Ion Ratio Lower Upper

75 100

39 67.7 59.4 89.2

77 31.0 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 1.033 ppbv

RT: 8.896 min Scan# 1958

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 88640

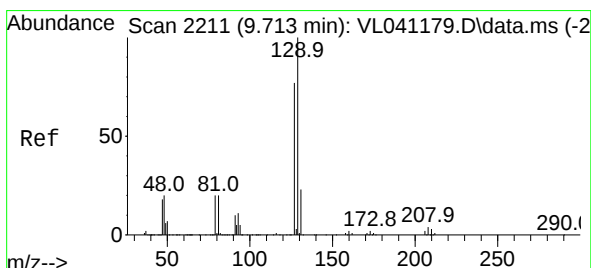
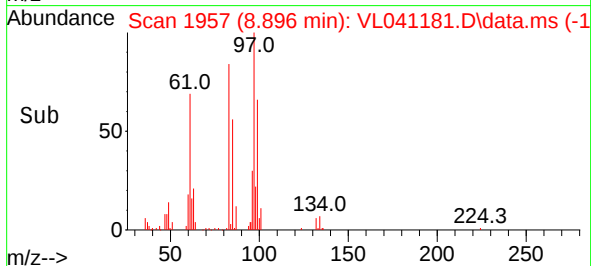
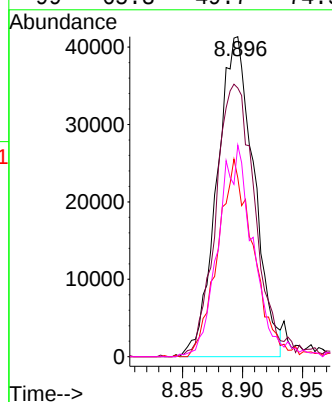
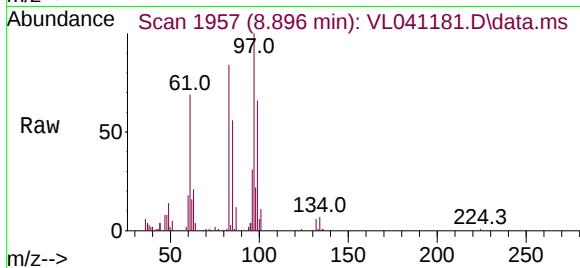
Ion Ratio Lower Upper

97 100

83 83.3 71.2 106.8

85 55.9 46.0 69.0

99 65.3 49.7 74.5



#48

Dibromochloromethane

Concen: 1.001 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.010 min

Lab File: VL041181.D

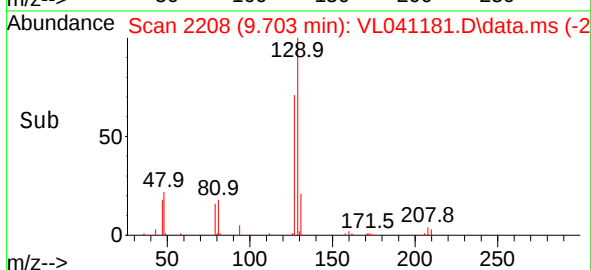
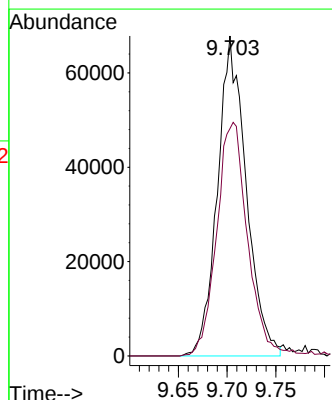
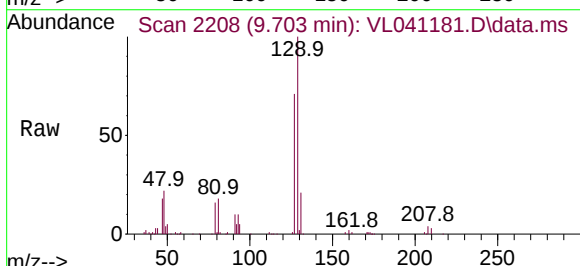
Acq: 29 Apr 2024 12:48

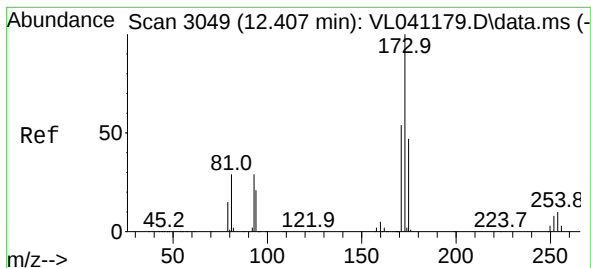
Tgt Ion: 129 Resp: 138932

Ion Ratio Lower Upper

129 100

127 79.8 39.1 117.5





#49

Bromoform

Concen: 0.987 ppbv

RT: 12.397 min Scan# 3049

Delta R.T. -0.010 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

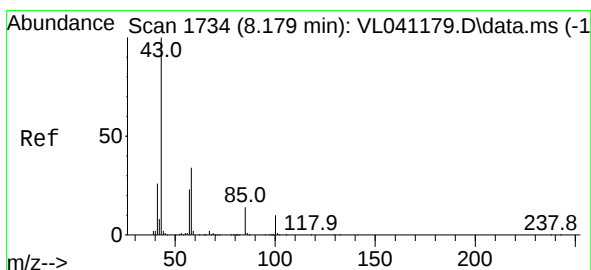
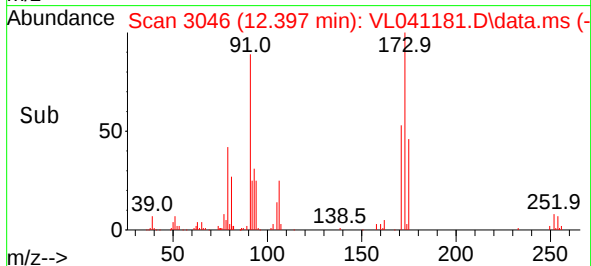
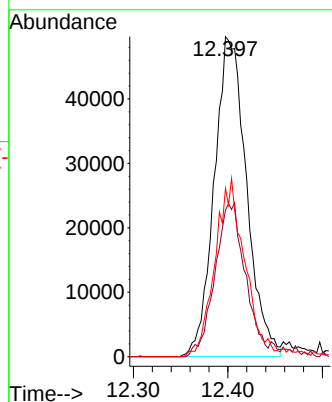
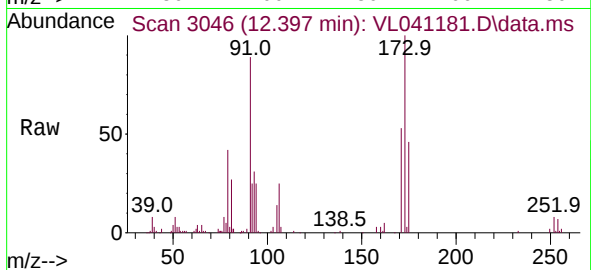
Tgt Ion:173 Resp: 117642

Ion Ratio Lower Upper

173 100

175 46.6 39.8 59.8

171 52.7 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 1.066 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.003 min

Lab File: VL041181.D

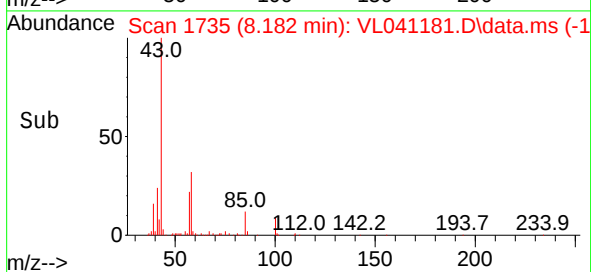
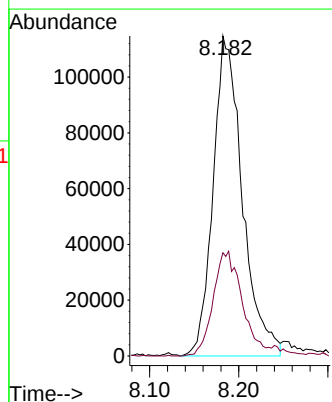
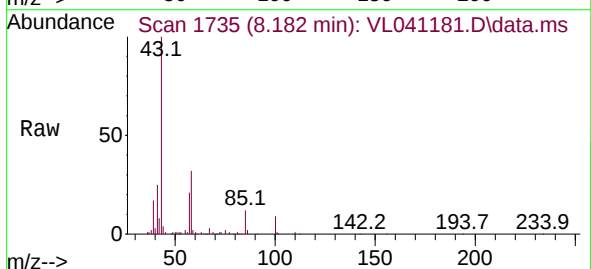
Acq: 29 Apr 2024 12:48

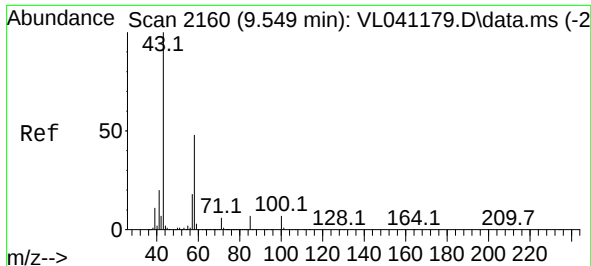
Tgt Ion: 43 Resp: 260965

Ion Ratio Lower Upper

43 100

58 34.5 27.7 41.5

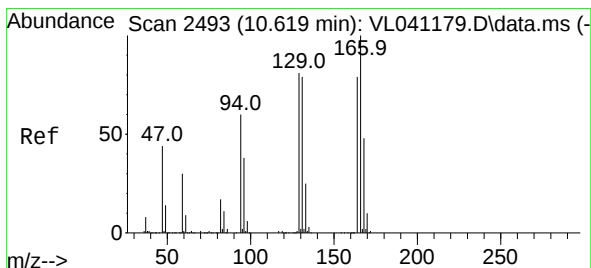
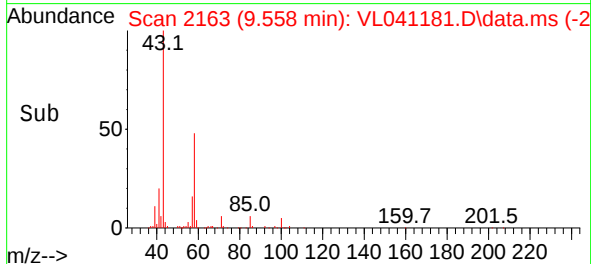
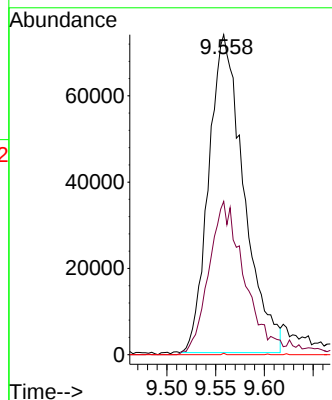
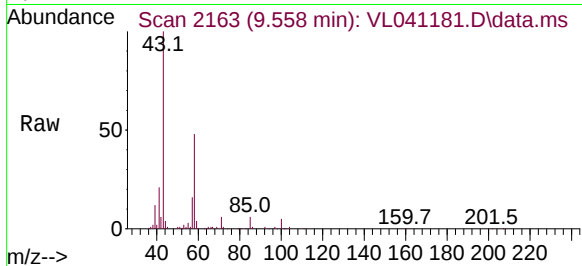




#51
2-Hexanone
Concen: 1.038 ppbv
RT: 9.558 min Scan# 2160
Delta R.T. 0.010 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

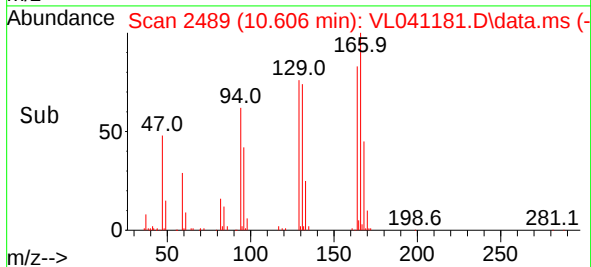
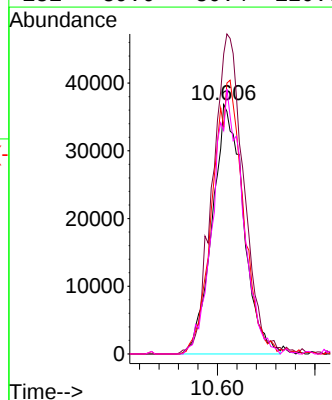
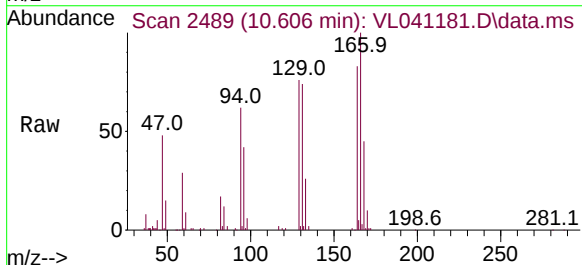
Instrument :
MSVOA_L
ClientSampleId :

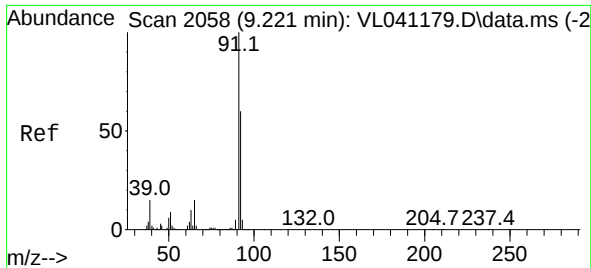
Tgt Ion: 43 Resp: 185009
Ion Ratio Lower Upper
43 100
58 52.1 38.4 57.6
98 0.0 0.0 0.0#



#52
Tetrachloroethene
Concen: 1.038 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.013 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Tgt Ion:164 Resp: 81594
Ion Ratio Lower Upper
164 100
166 119.8 101.1 151.7
129 91.0 81.7 122.5
131 89.6 80.4 120.6





#53

Toluene

Concen: 1.041 ppbv

RT: 9.214 min Scan# 2056

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

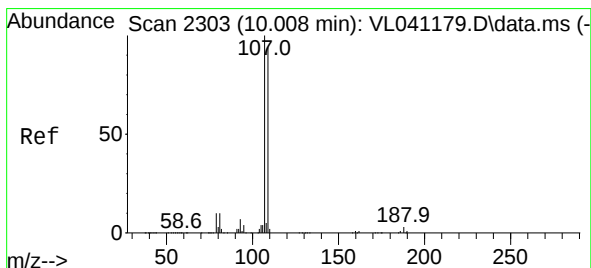
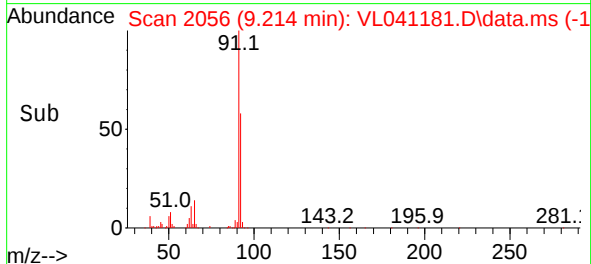
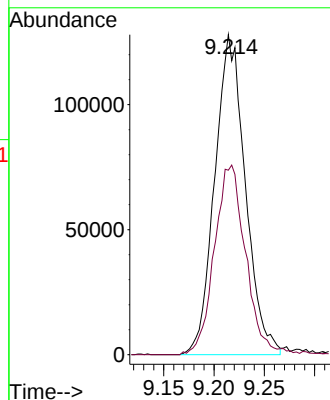
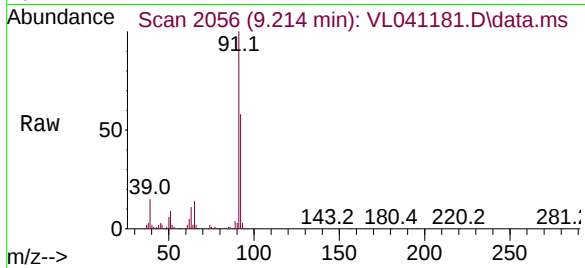
ClientSampleId :

Tgt Ion: 91 Resp: 270789

Ion Ratio Lower Upper

91 100

92 61.1 48.2 72.4



#54

1,2-Dibromoethane

Concen: 1.009 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041181.D

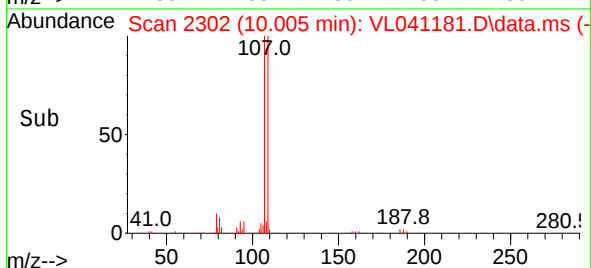
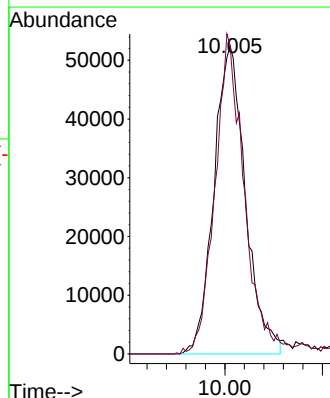
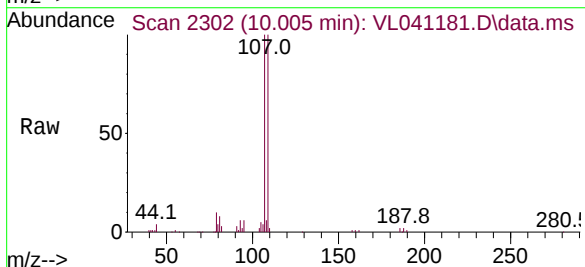
Acq: 29 Apr 2024 12:48

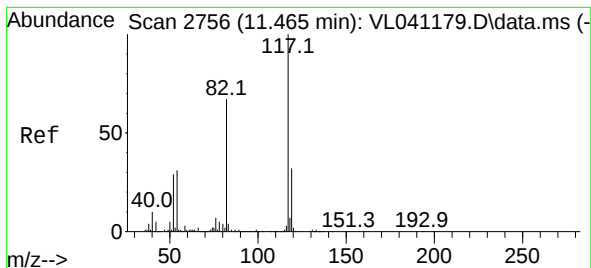
Tgt Ion: 107 Resp: 117672

Ion Ratio Lower Upper

107 100

109 100.1 75.2 112.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

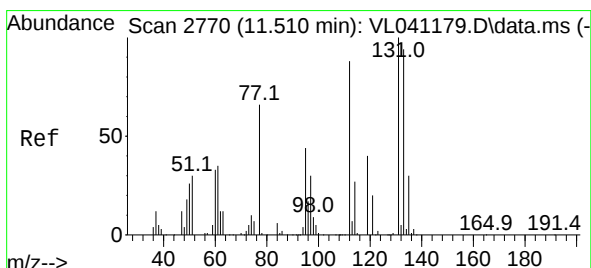
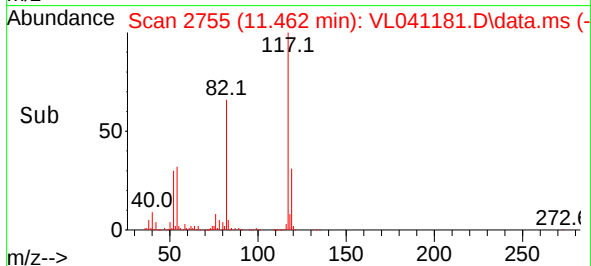
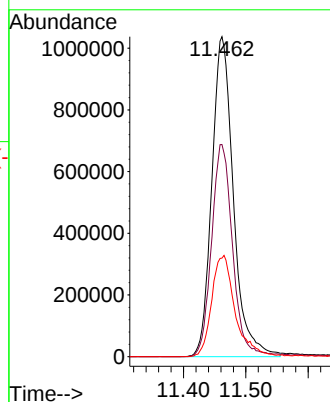
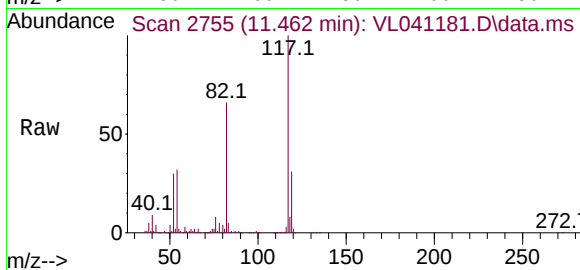
Tgt Ion:117 Resp: 2490417

Ion Ratio Lower Upper

117 100

82 66.0 53.6 80.4

119 34.9 27.2 40.8



#56

1,1,1,2-Tetrachloroethane

Concen: 1.038 ppbv

RT: 11.504 min Scan# 2768

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

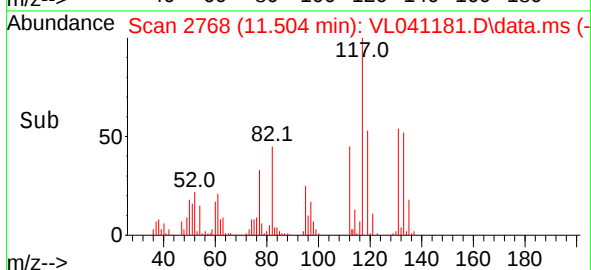
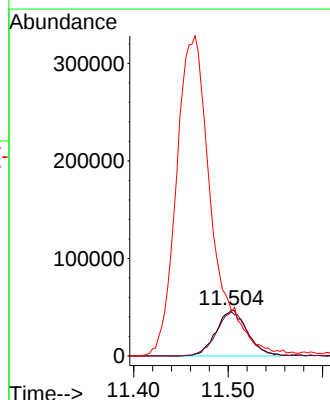
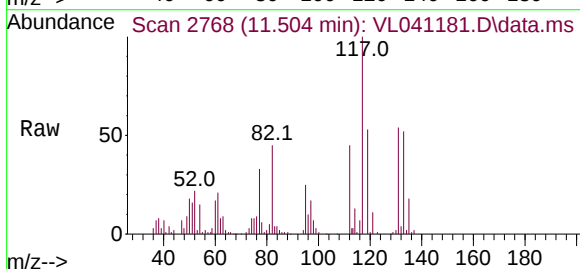
Tgt Ion:131 Resp: 107017

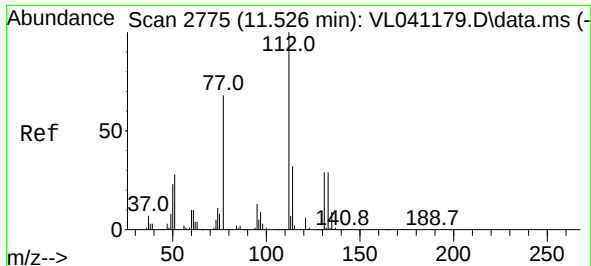
Ion Ratio Lower Upper

131 100

133 97.5 76.3 114.5

119 811.4 49.4 74.2#





#57

Chlorobenzene

Concen: 1.056 ppbv

RT: 11.520 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

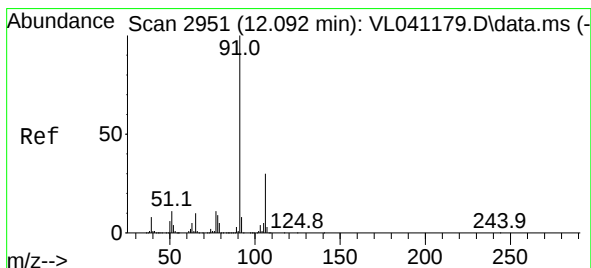
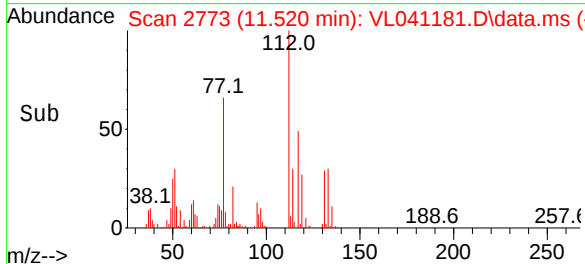
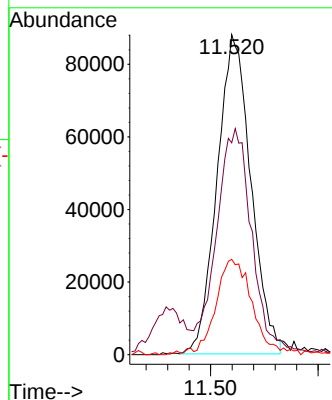
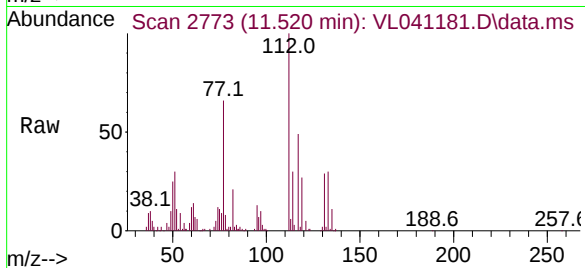
Tgt Ion:112 Resp: 192366

Ion Ratio Lower Upper

112 100

77 61.7 54.9 82.3

114 29.2 28.7 35.1



#58

Ethyl Benzene

Concen: 0.674 ppbv

RT: 12.082 min Scan# 2948

Delta R.T. -0.010 min

Lab File: VL041181.D

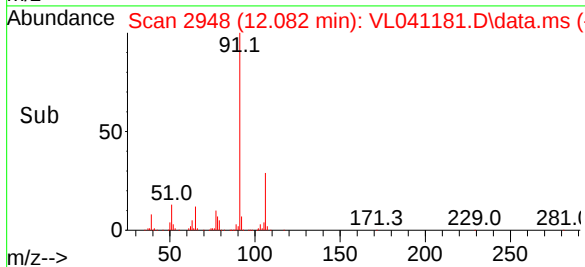
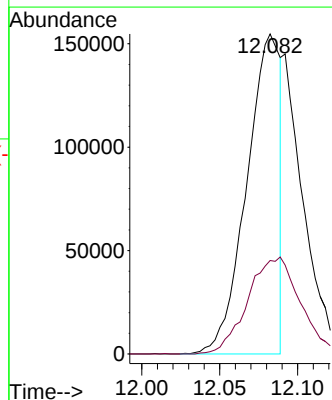
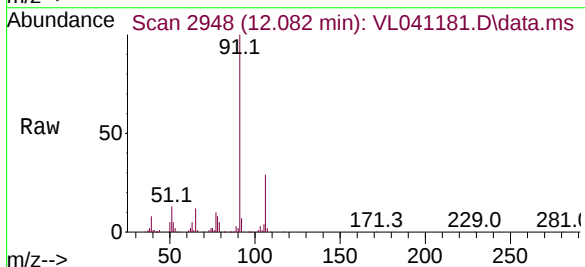
Acq: 29 Apr 2024 12:48

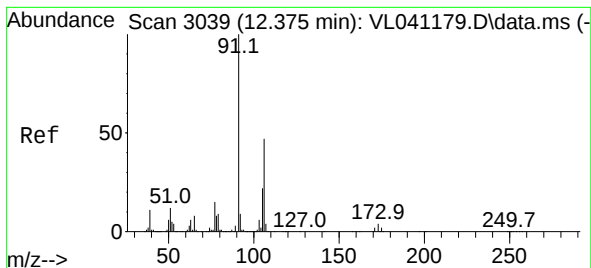
Tgt Ion: 91 Resp: 231276

Ion Ratio Lower Upper

91 100

106 29.2 24.3 36.5





#59

m/p-Xylene

Concen: 1.157 ppbv

RT: 12.368 min Scan# 3039

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

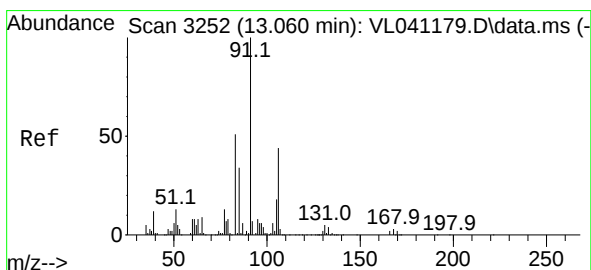
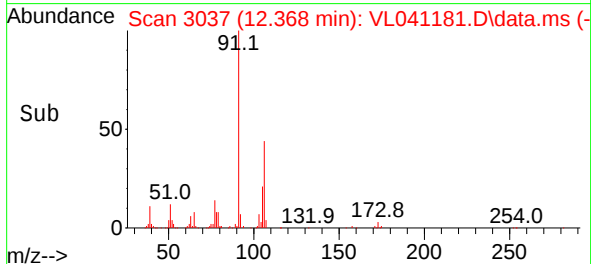
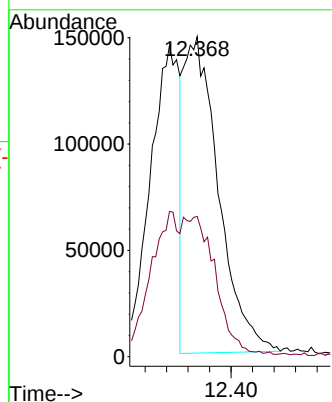
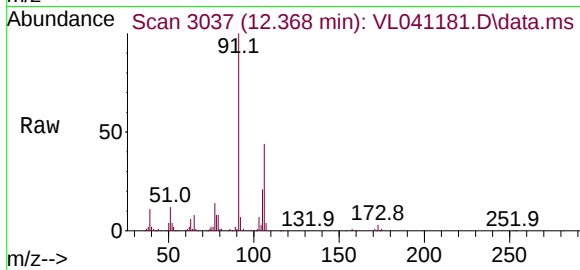
ClientSampleId :

Tgt Ion: 91 Resp: 333123

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#



#60

o-Xylene

Concen: 1.081 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.006 min

Lab File: VL041181.D

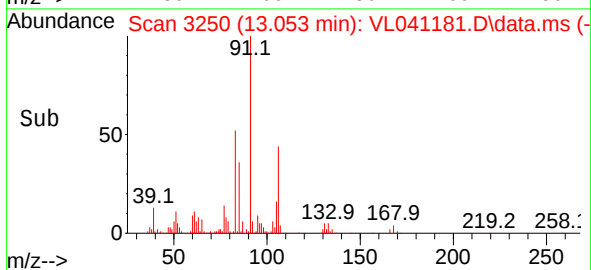
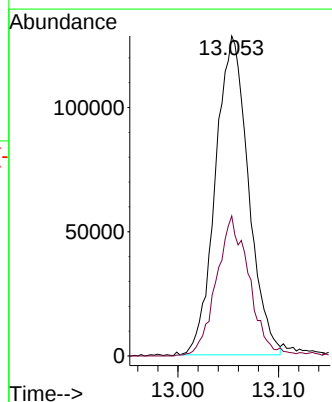
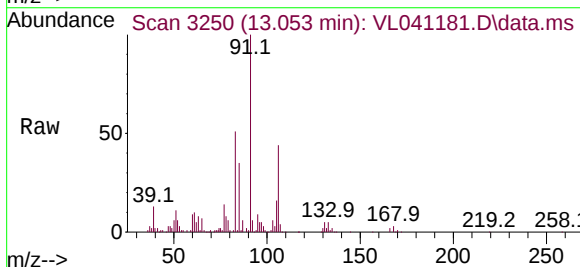
Acq: 29 Apr 2024 12:48

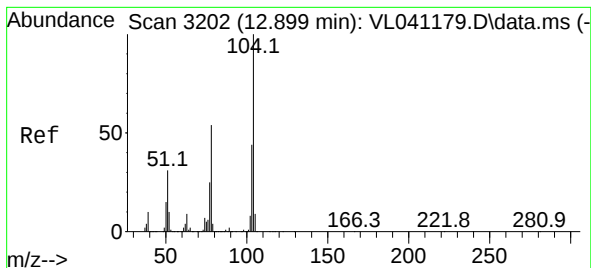
Tgt Ion: 91 Resp: 292199

Ion Ratio Lower Upper

91 100

106 44.1 22.4 67.3





#61

Styrene

Concen: 0.513 ppbv

RT: 12.896 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

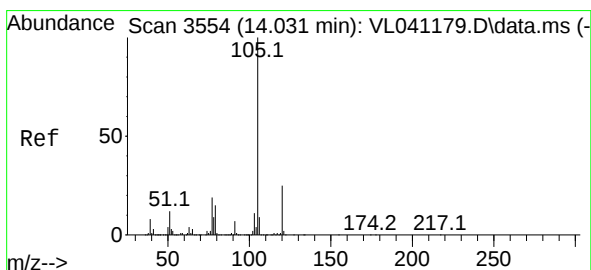
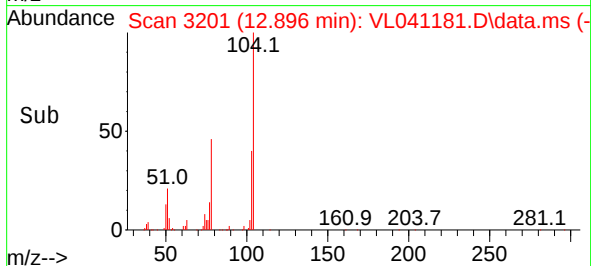
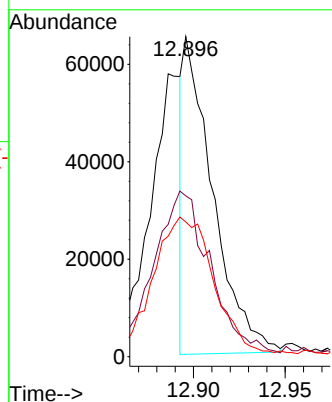
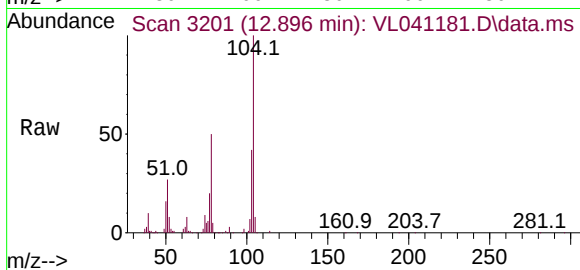
Tgt Ion:104 Resp: 72343

Ion Ratio Lower Upper

104 100

78 108.0 42.6 63.8#

103 96.0 38.4 57.6#



#62

Isopropylbenzene

Concen: 1.080 ppbv

RT: 14.021 min Scan# 3551

Delta R.T. -0.010 min

Lab File: VL041181.D

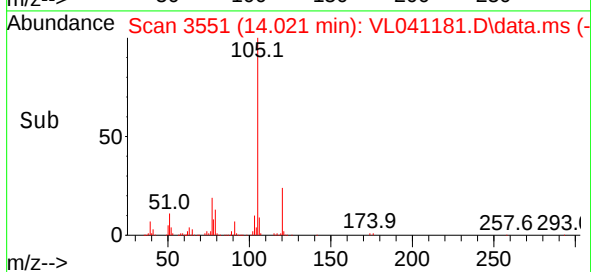
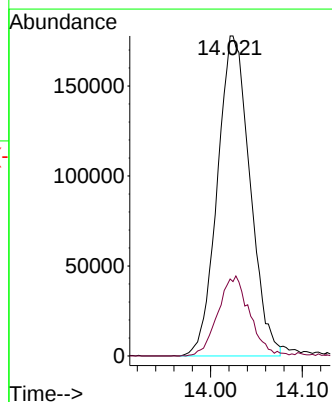
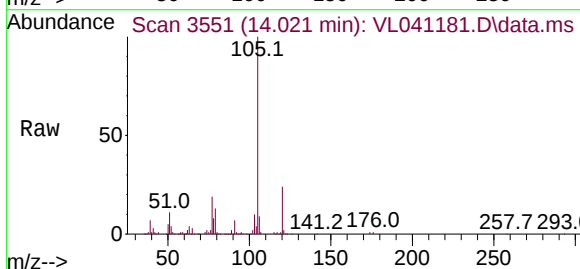
Acq: 29 Apr 2024 12:48

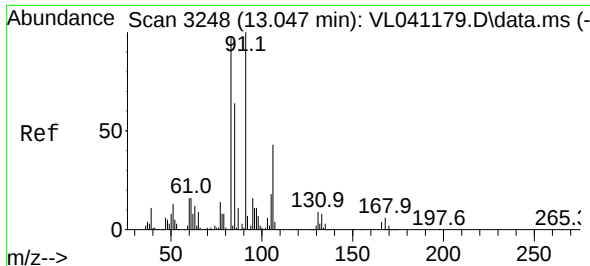
Tgt Ion:105 Resp: 438392

Ion Ratio Lower Upper

105 100

120 24.9 20.2 30.2





#63

1,1,2,2-Tetrachloroethane

Concen: 1.053 ppbv

RT: 13.040 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

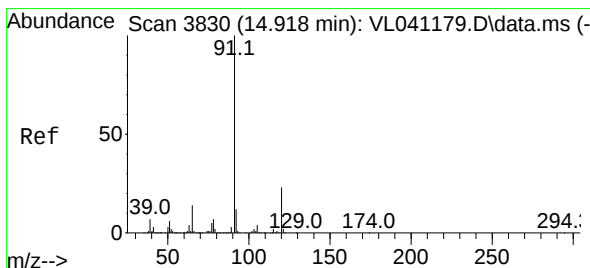
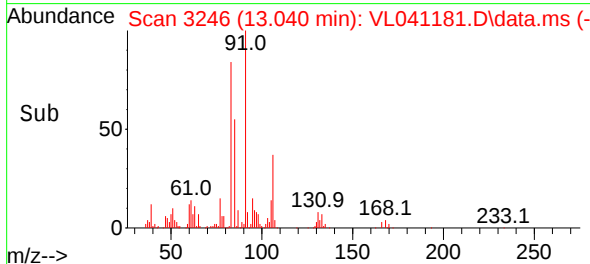
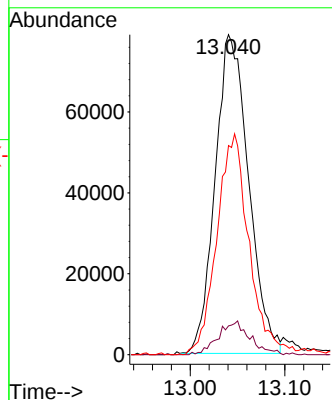
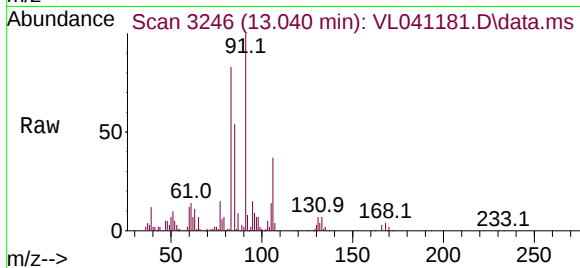
Tgt Ion: 83 Resp: 193421

Ion Ratio Lower Upper

83 100

131 10.1 4.5 13.5

85 68.1 32.7 98.1



#64

n-propylbenzene

Concen: 1.071 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. -0.003 min

Lab File: VL041181.D

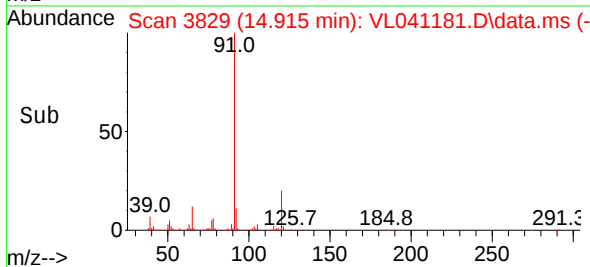
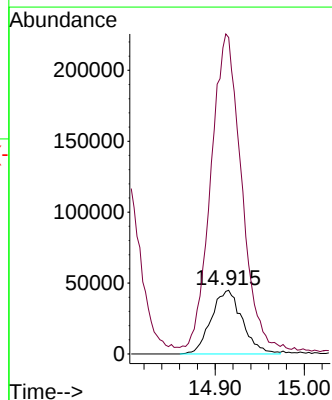
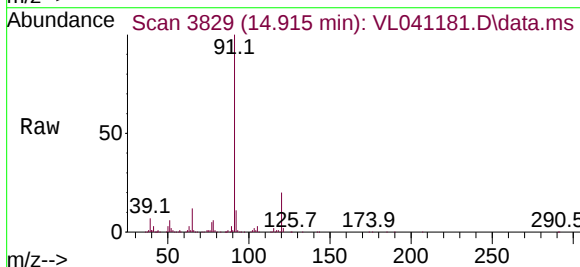
Acq: 29 Apr 2024 12:48

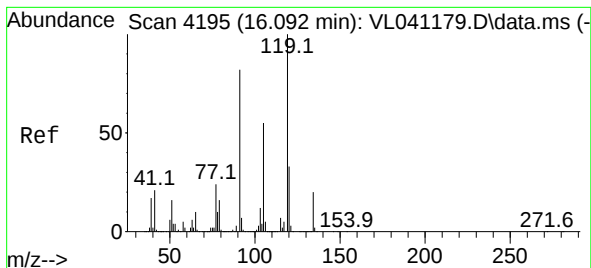
Tgt Ion:120 Resp: 108967

Ion Ratio Lower Upper

120 100

91 508.0 384.8 577.2





#65

tert-Butylbenzene

Concen: 0.639 ppbv

RT: 16.082 min Scan# 41

Delta R.T. -0.010 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

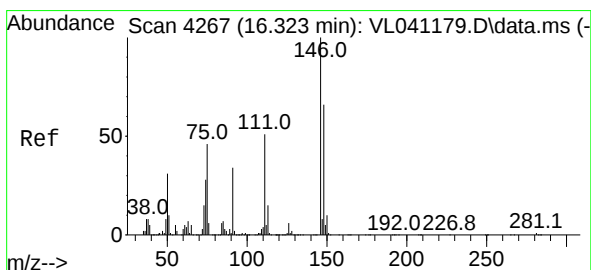
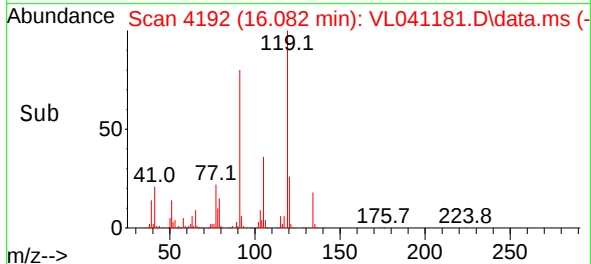
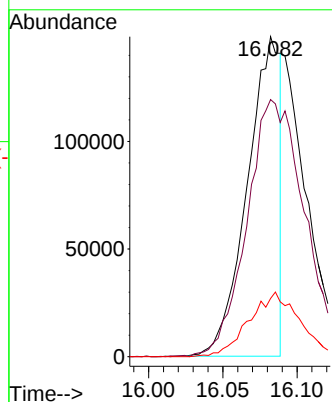
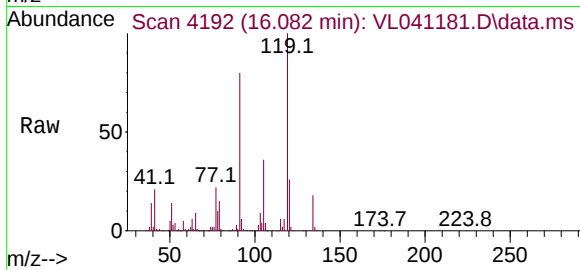
Tgt Ion:119 Resp: 229293

Ion Ratio Lower Upper

119 100

91 145.2 67.0 100.4#

134 31.7 15.2 22.8#



#66

Benzyl Chloride

Concen: 0.838 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. 0.000 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

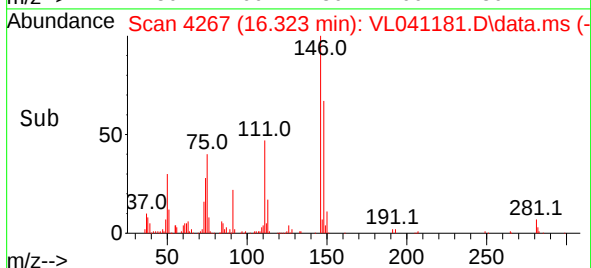
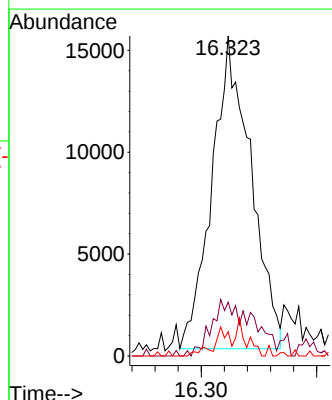
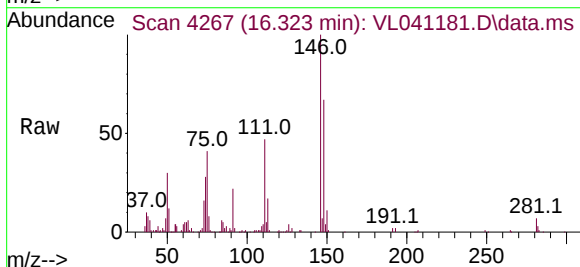
Tgt Ion: 91 Resp: 35814

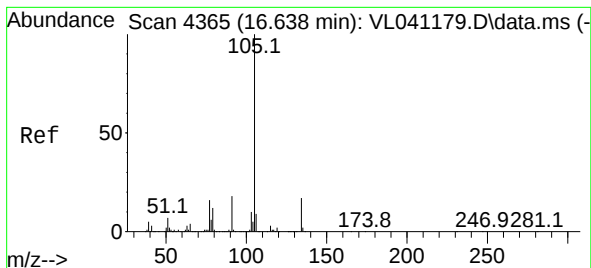
Ion Ratio Lower Upper

91 100

126 20.3 14.6 21.8

128 7.4 4.7 7.1#





#67

sec-Butylbenzene

Concen: 1.090 ppbv

RT: 16.629 min Scan# 4365

Delta R.T. -0.010 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

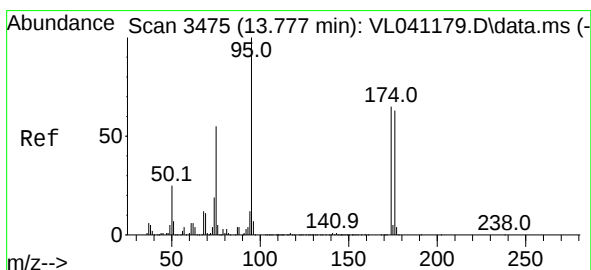
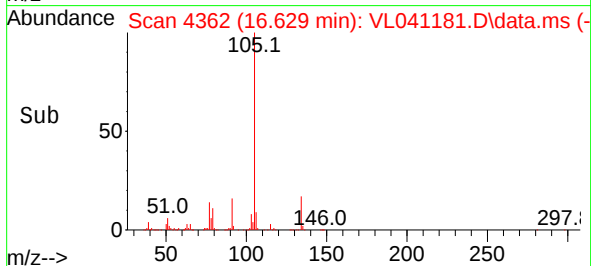
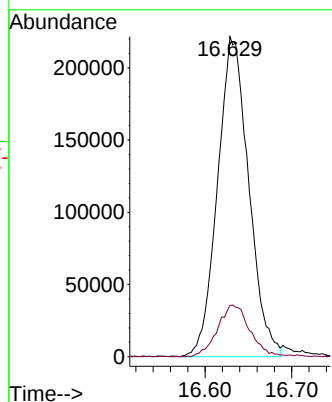
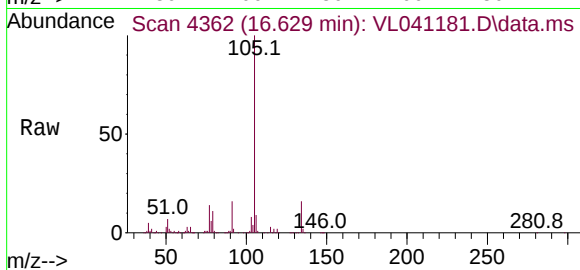
ClientSampleId :

Tgt Ion:105 Resp: 553419

Ion Ratio Lower Upper

105 100

134 17.0 13.8 20.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.931 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

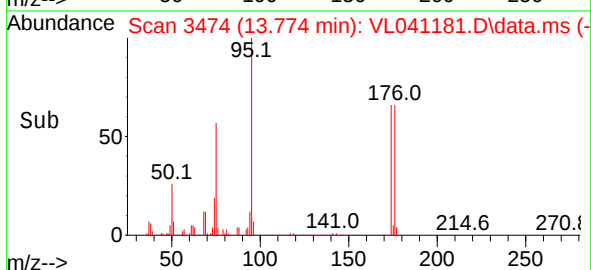
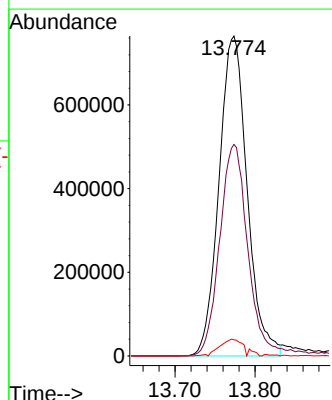
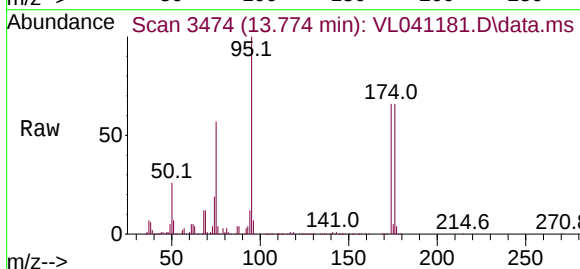
Tgt Ion: 95 Resp: 1868013

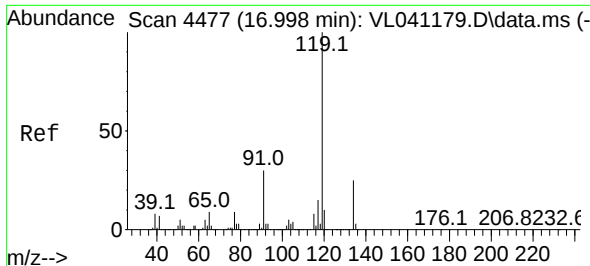
Ion Ratio Lower Upper

95 100

174 68.5 53.6 80.4

175 4.7 4.2 6.4





#69

p-Isopropyltoluene

Concen: 1.072 ppbv

RT: 16.989 min Scan# 4477

Delta R.T. -0.010 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

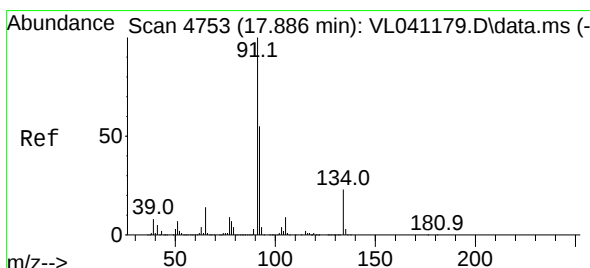
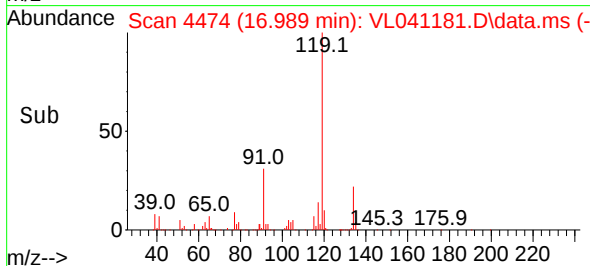
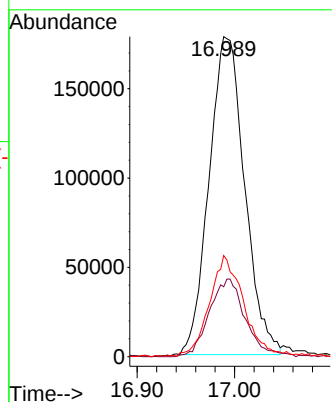
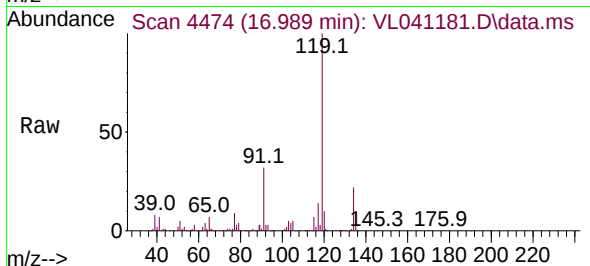
Tgt Ion:119 Resp: 451215

Ion Ratio Lower Upper

119 100

134 24.9 20.1 30.1

91 31.2 24.2 36.2



#70

n-Butylbenzene

Concen: 1.114 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

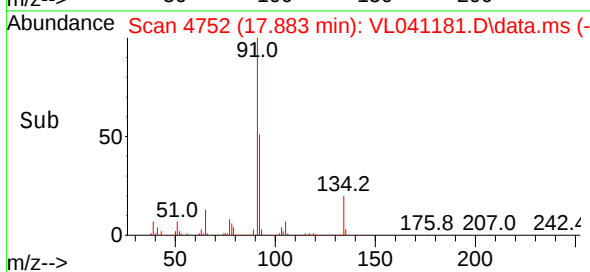
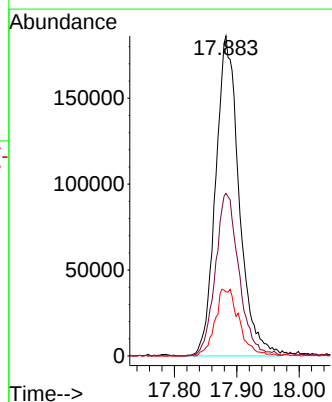
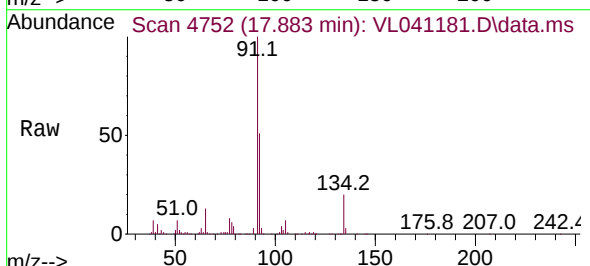
Tgt Ion: 91 Resp: 486852

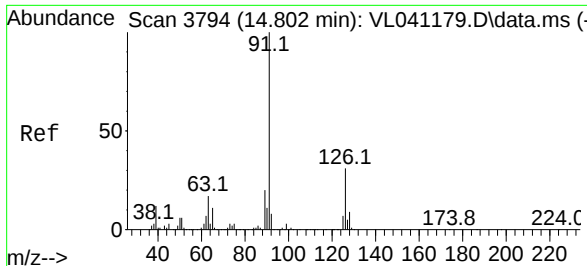
Ion Ratio Lower Upper

91 100

92 51.3 43.3 64.9

134 21.7 17.8 26.8

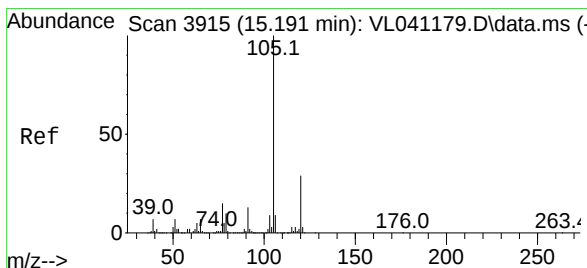
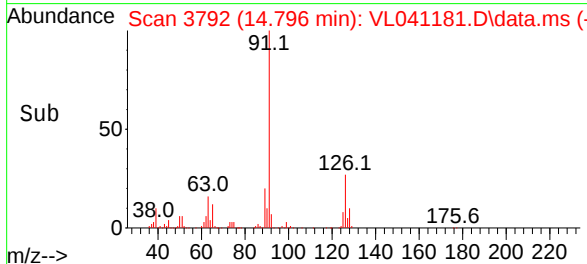
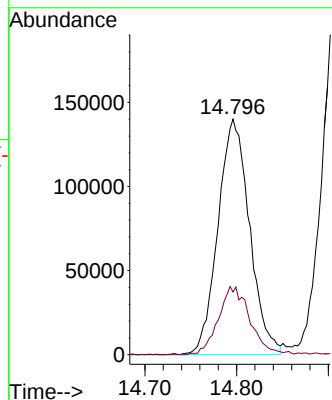
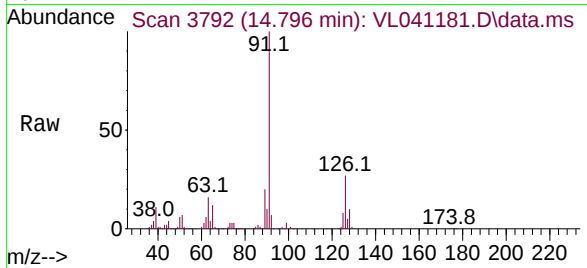




#71
2-Chlorotoluene
Concen: 1.083 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

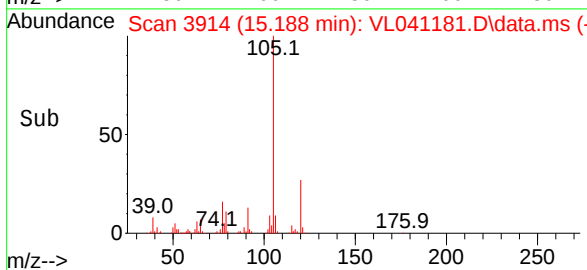
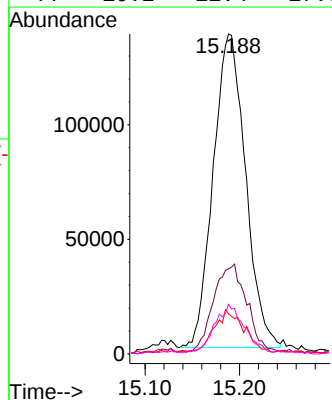
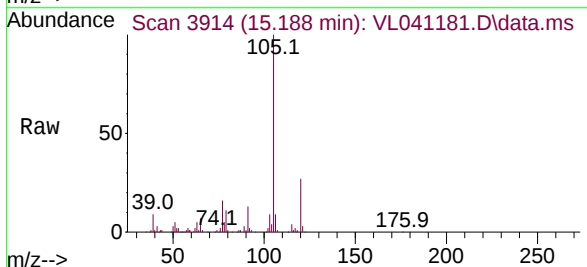
Instrument :
MSVOA_L
ClientSampleId :

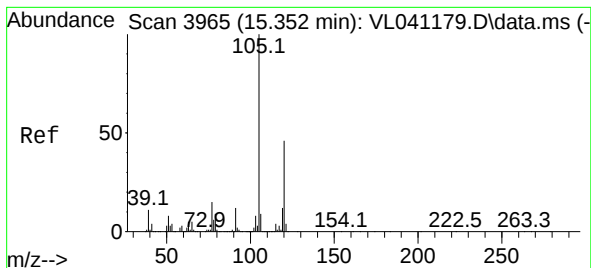
Tgt Ion: 91 Resp: 335894
Ion Ratio Lower Upper
91 100
126 29.4 12.2 48.8



#72
4-Ethyltoluene
Concen: 1.054 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041181.D
Acq: 29 Apr 2024 12:48

Tgt Ion:105 Resp: 324882
Ion Ratio Lower Upper
105 100
120 31.1 24.7 37.1
91 12.4 10.3 15.5
77 16.2 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 0.525 ppbv

RT: 15.349 min Scan# 3965

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

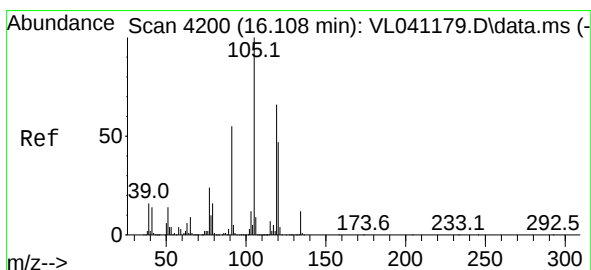
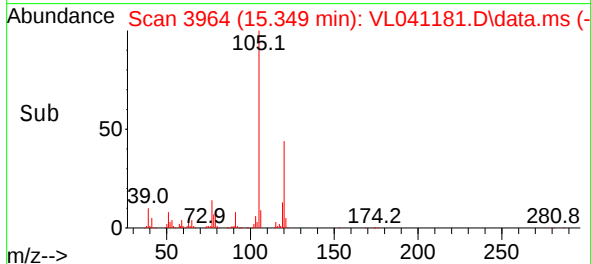
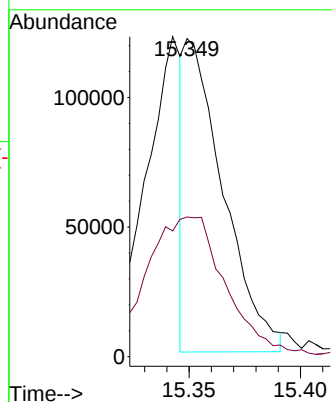
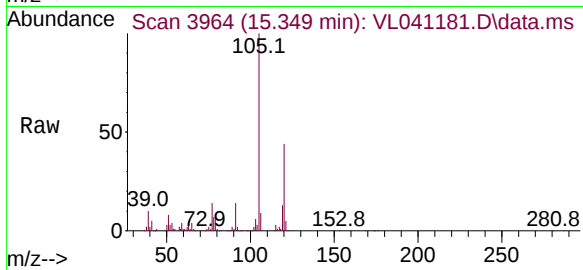
ClientSampleId :

Tgt Ion:105 Resp: 146700

Ion Ratio Lower Upper

105 100

120 43.4 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 1.063 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Tgt Ion:105 Resp: 323414

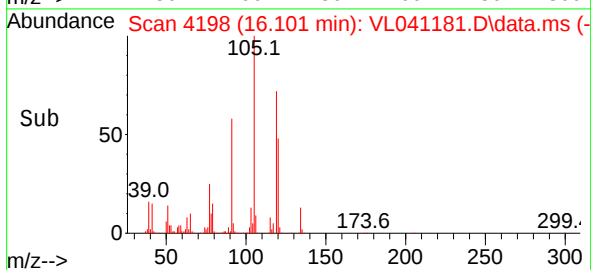
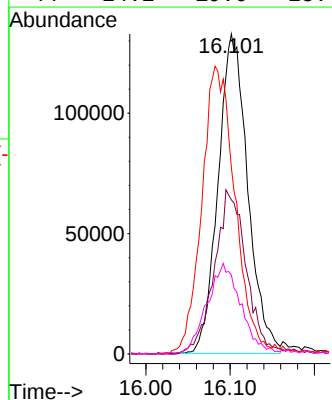
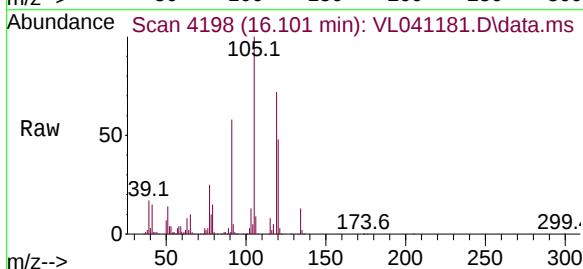
Ion Ratio Lower Upper

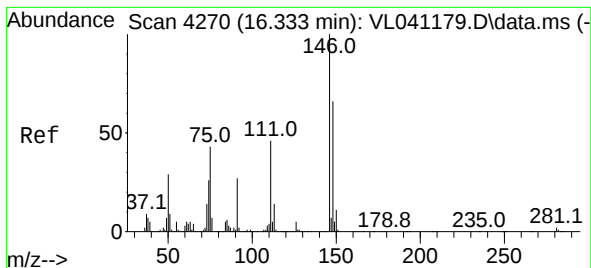
105 100

120 47.7 37.8 56.6

91 56.9 44.3 66.5

77 24.2 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 1.030 ppbv

RT: 16.327 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

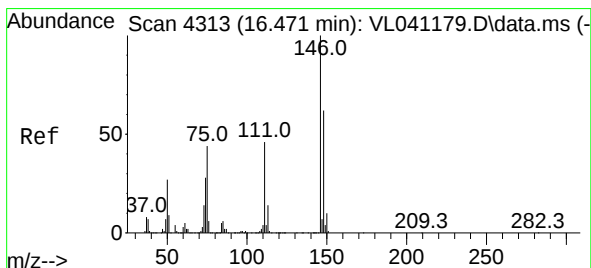
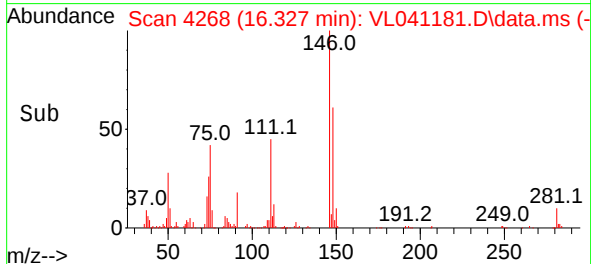
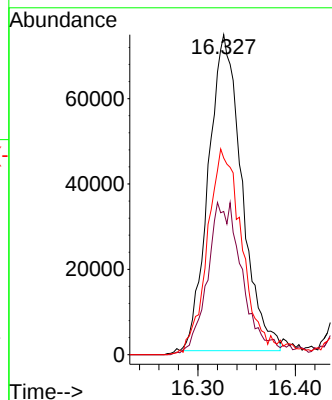
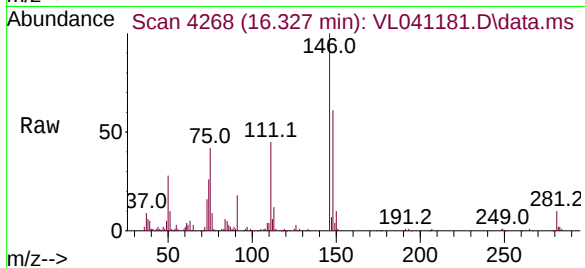
Tgt Ion:146 Resp: 176338

Ion Ratio Lower Upper

146 100

111 51.8 23.7 71.1

148 69.8 32.5 97.4



#76

1,4-Dichlorobenzene

Concen: 1.048 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

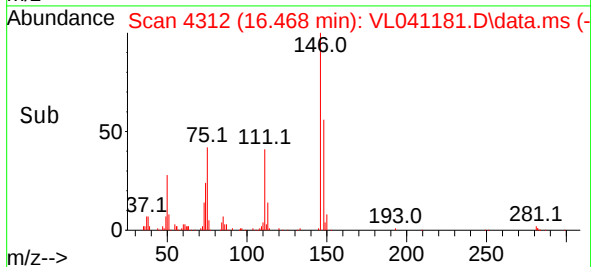
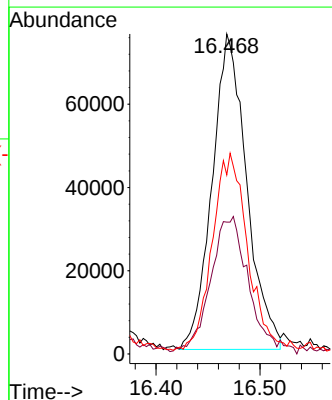
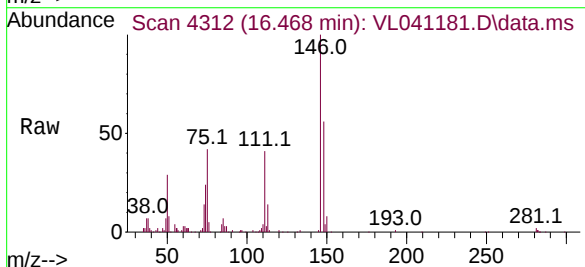
Tgt Ion:146 Resp: 174843

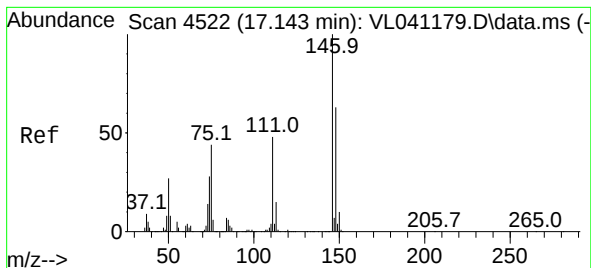
Ion Ratio Lower Upper

146 100

111 48.9 23.3 69.8

148 67.0 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 0.525 ppbv

RT: 17.137 min Scan# 4522

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

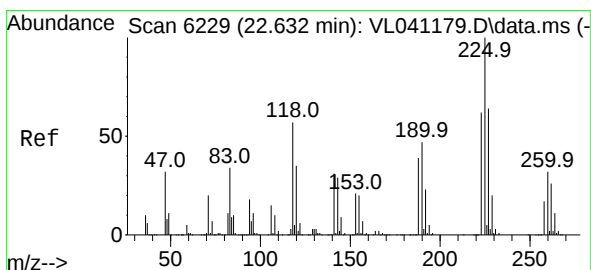
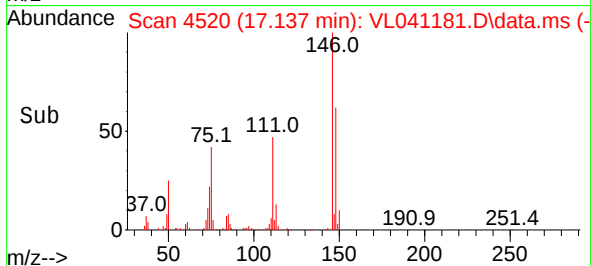
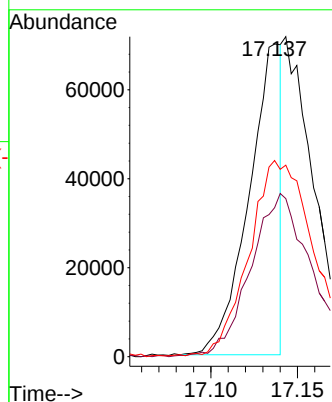
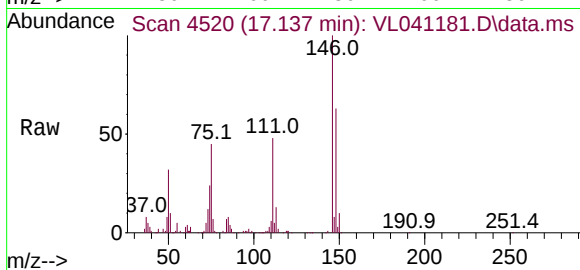
Tgt Ion:146 Resp: 90824

Ion Ratio Lower Upper

146 100

111 0.0 24.5 73.5#

148 133.8 32.6 98.0#



#78

Hexachloro-1,3-Butadiene

Concen: 0.670 ppbv

RT: 22.629 min Scan# 6228

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

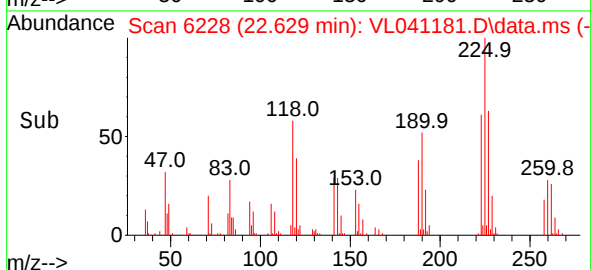
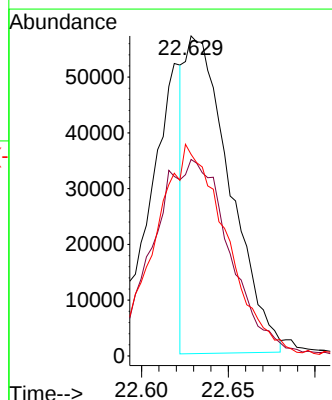
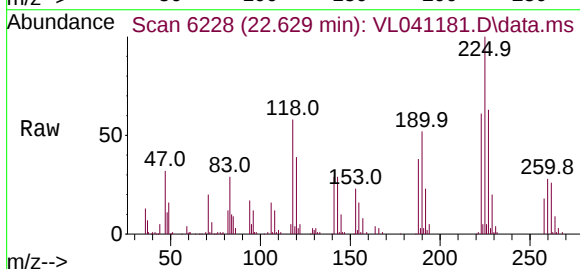
Tgt Ion:225 Resp: 103062

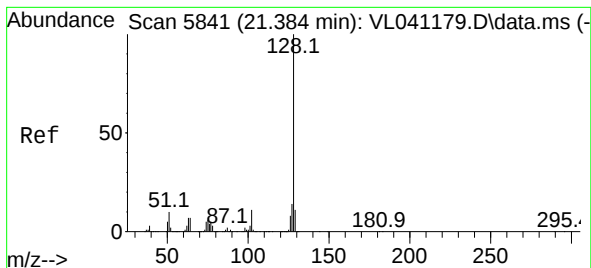
Ion Ratio Lower Upper

225 100

223 108.0 50.9 76.3#

227 108.6 52.0 78.0#





#79

Naphthalene

Concen: 0.638 ppbv

RT: 21.381 min Scan# 5841

Delta R.T. -0.003 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :

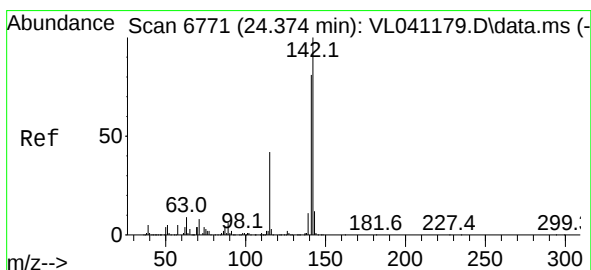
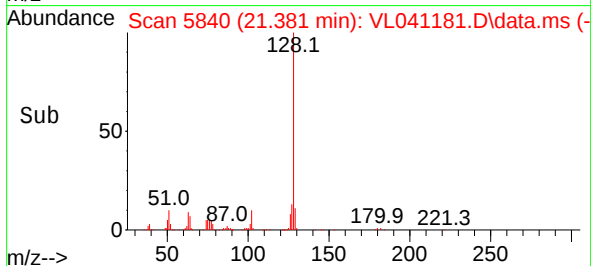
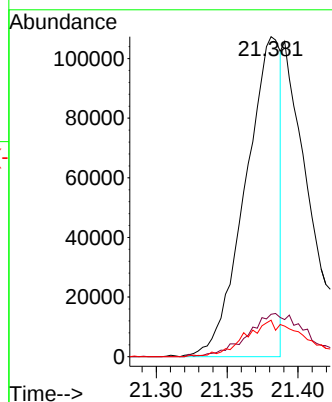
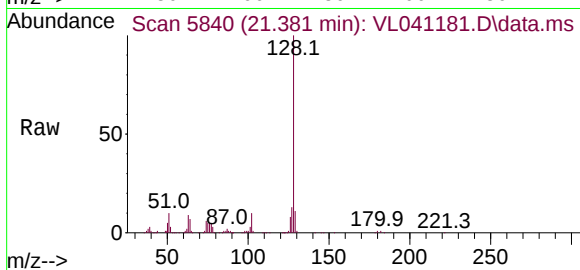
Tgt Ion:128 Resp: 183898

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 11.4 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 0.829 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. -0.006 min

Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

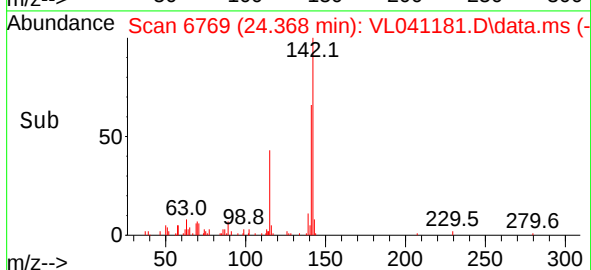
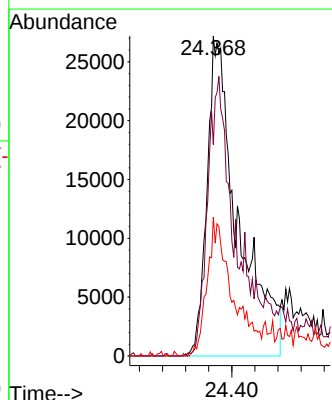
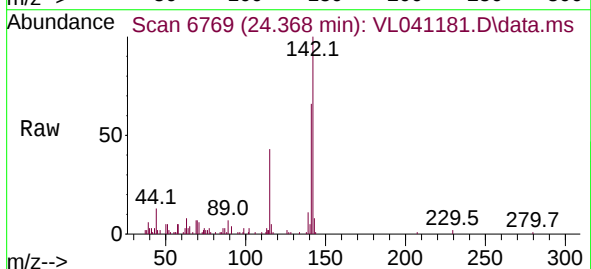
Tgt Ion:142 Resp: 100677

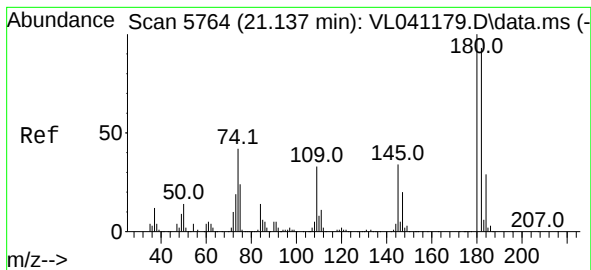
Ion Ratio Lower Upper

142 100

141 96.1 67.9 101.9

115 38.5 31.4 47.0





#81

1,2,4-Trichlorobenzene

Concen: 1.015 ppbv

RT: 21.140 min Scan# 5

Delta R.T. 0.003 min

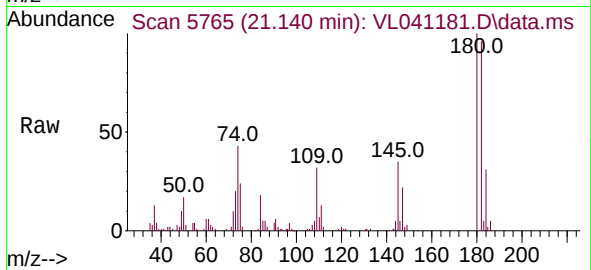
Lab File: VL041181.D

Acq: 29 Apr 2024 12:48

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 156445

Ion Ratio Lower Upper

180 100

182 104.8 77.2 115.8

184 32.2 24.6 36.8

