

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041401.D
 Acq On : 25 Jul 2024 15:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Jul 26 02:43:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1198624	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3342988	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3161618	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2414921	10.191	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	241964	1.183	ppbv	95
3) Chlorodifluoromethane	2.652	51	151299	0.732	ppbv	98
4) Chloromethane	2.793	50	82099	1.039	ppbv	96
5) Vinyl Chloride	2.899	62	79527	0.932	ppbv	98
6) Bromomethane	3.099	94	41204	1.526	ppbv	92
7) Chloroethane	3.179	64	25119	0.891	ppbv	92
8) Dichlorotetrafluoroethane	2.835	85	197281	0.992	ppbv	99
9) Propene	2.674	41	70203	0.982	ppbv	97
10) Heptane	7.568	43	148675	0.885	ppbv	96
11) Trichlorofluoromethane	3.542	101	196294	0.986	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.050	101	138368	0.992	ppbv	99
13) Ethanol	3.240	45	2873	0.181	ppbv #	1
14) Bromoethene	3.350	108	51557	0.921	ppbv #	85
15) Acetone	3.456	43	142863	0.902	ppbv	97
16) 1,3-Butadiene	2.967	39	78187	1.038	ppbv	96
17) tert-Butyl alcohol	3.867	59	131833	1.080	ppbv	100
18) 1,1-Dichloroethene	3.861	96	57445	0.937	ppbv	99
19) Isopropyl Alcohol	3.568	45	80830	0.930	ppbv #	98
20) Methylene Chloride	3.912	84	51566	0.898	ppbv	96
21) Allyl Chloride	3.980	41	93864	0.983	ppbv	95
22) trans-1,2-Dichloroethene	4.433	96	57666	0.947	ppbv	91
23) Vinyl Acetate	4.613	43	104758	0.671	ppbv #	94
24) 1,1-Dichloroethane	4.546	63	125314	0.926	ppbv	100
25) Ethyl Acetate	5.195	43	285442	0.979	ppbv	98
26) Hexane	5.198	57	113990	0.883	ppbv	88
27) Carbon Disulfide	4.112	76	122266	0.779	ppbv	97
28) Methyl tert-Butyl Ether	4.575	73	76370	0.798	ppbv	99
29) Chloroform	5.259	83	193219	0.970	ppbv	91
30) Cyclohexane	6.594	84	43834	0.426	ppbv #	1
31) cis-1,2-Dichloroethene	5.066	61	112360	0.908	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	181889	0.870	ppbv	99
34) 2-Butanone	4.777	43	163975	0.930	ppbv	97
35) Carbon Tetrachloride	6.481	117	186609	0.845	ppbv	99
36) Benzene	6.356	78	259942	0.940	ppbv	95
37) 1,2-Dichloroethane	5.793	62	138981	0.875	ppbv	100
38) Trichloroethene	7.279	130	61853	0.513	ppbv	95
39) 1,2-Dichloropropane	7.063	63	92598	0.866	ppbv	95
40) 1,4-Dioxane	7.298	88	28817	0.841	ppbv #	1
41) Tetrahydrofuran	5.558	42	97249	0.890	ppbv	98
42) Bromodichloromethane	7.240	83	204988	0.923	ppbv	99
43) Methyl Methacrylate	7.472	69	84268	0.811	ppbv	88
44) 2,2,4-Trimethylpentane	7.317	57	432528	0.920	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	67675	1.029	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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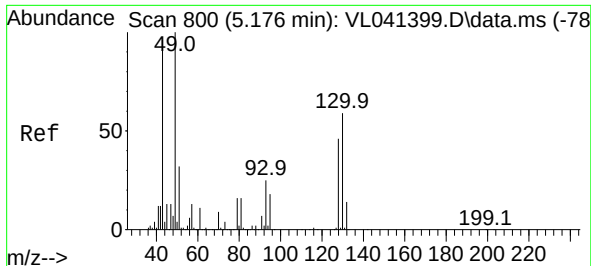
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	108779	1.230	ppbv	99
47) 1,1,2-Trichloroethane	8.889	97	104479	0.911	ppbv	97
48) Dibromochloromethane	9.703	129	168168	0.913	ppbv	97
49) Bromoform	12.404	173	133988	0.914	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	258275	0.912	ppbv	96
51) 2-Hexanone	9.558	43	190138	0.944	ppbv #	100
52) Tetrachloroethene	10.600	164	45461	0.409	ppbv	91
53) Toluene	9.211	91	284562	0.912	ppbv	98
54) 1,2-Dibromoethane	10.005	107	141838	0.999	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.504	131	126753	0.891	ppbv #	1
57) Chlorobenzene	11.520	112	240871	0.971	ppbv	95
58) Ethyl Benzene	12.086	91	388676	0.919	ppbv	98
59) m/p-Xylene	12.368	91	367584	1.004	ppbv #	43
60) o-Xylene	13.053	91	320813	0.929	ppbv	99
61) Styrene	12.896	104	133924	0.798	ppbv	99
62) Isopropylbenzene	14.024	105	490658	0.920	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.047	83	202749	0.745	ppbv	98
64) n-propylbenzene	14.915	120	124102	0.891	ppbv	83
65) tert-Butylbenzene	16.085	119	446299	0.940	ppbv	99
66) Benzyl Chloride	16.317	91	6709	0.215	ppbv #	66
67) sec-Butylbenzene	16.632	105	613358	0.913	ppbv	99
69) p-Isopropyltoluene	16.992	119	511080	0.921	ppbv	100
70) n-Butylbenzene	17.886	91	512783	0.904	ppbv	98
71) 2-Chlorotoluene	14.796	91	358079	0.904	ppbv	100
72) 4-Ethyltoluene	15.188	105	361470	0.878	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	312184	0.886	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	379183	0.955	ppbv #	91
75) 1,3-Dichlorobenzene	16.330	146	237337	1.008	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	224373	0.956	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	231111	0.963	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	215079	1.232	ppbv	99
79) Naphthalene	21.394	128	139813	0.655	ppbv	97
80) Naphthalene,2-methyl-	24.374	142	210840	375.304	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	191623	1.452	ppbv	98

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

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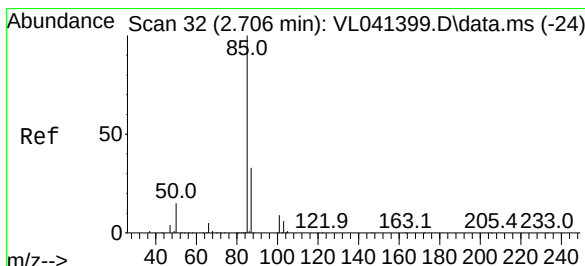
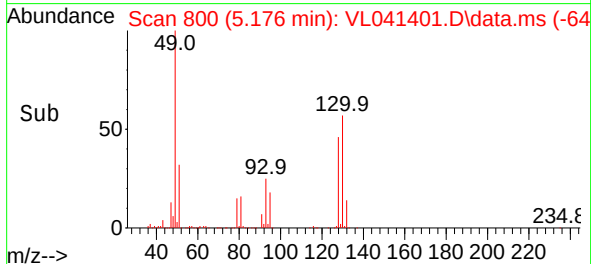
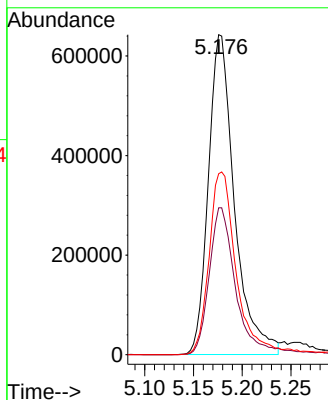
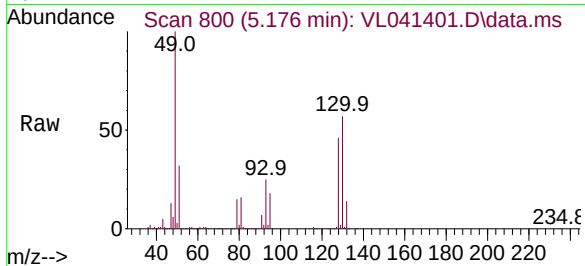
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

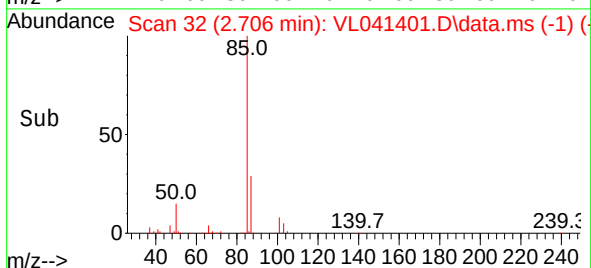
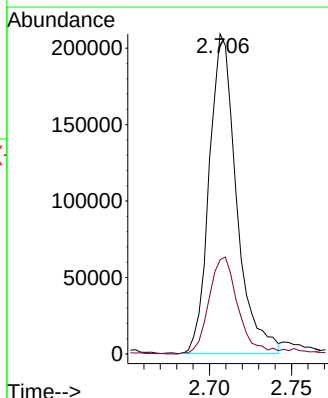
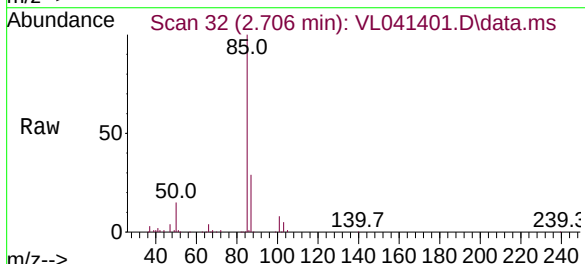
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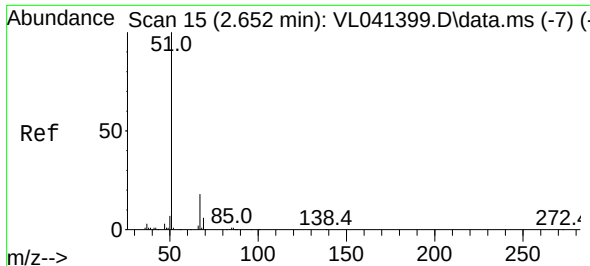
Tgt Ion: 49 Resp: 1198624
Ion Ratio Lower Upper
49 100
128 48.3 23.8 71.4
130 61.4 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 1.183 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 85 Resp: 241964
Ion Ratio Lower Upper
85 100
87 29.5 26.0 39.0

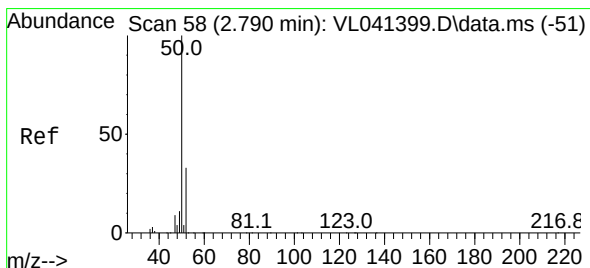
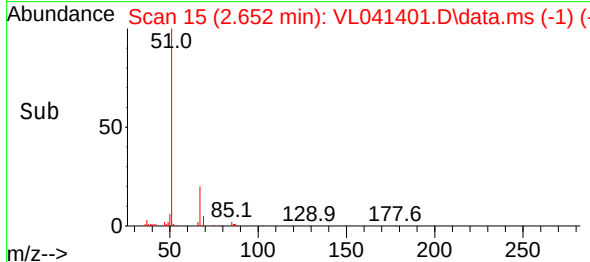
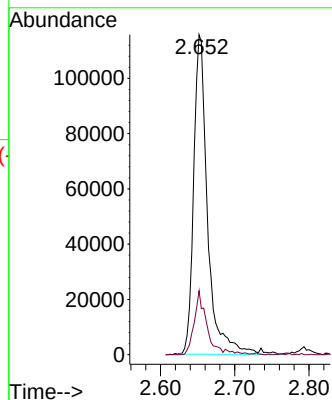
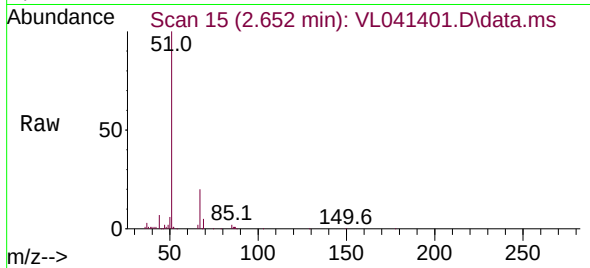




#3
Chlorodifluoromethane
Concen: 0.732 ppbv
RT: 2.652 min Scan# 15
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

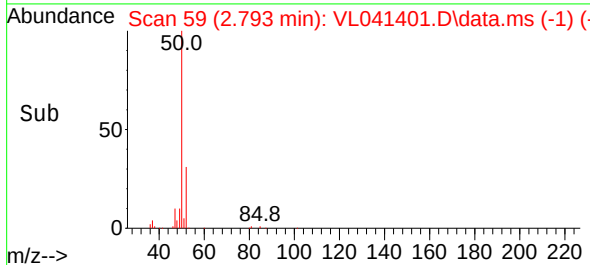
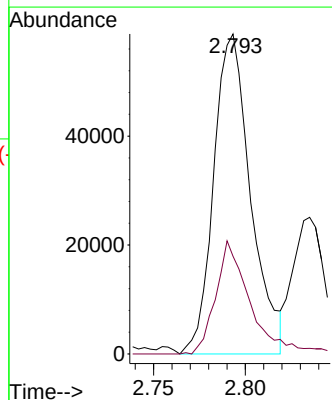
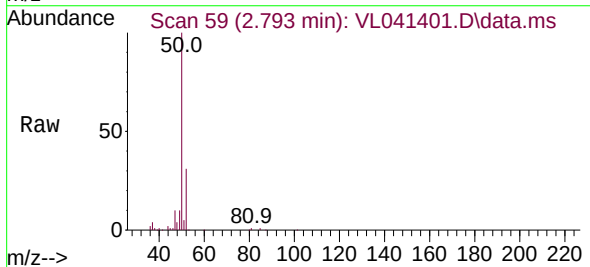
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

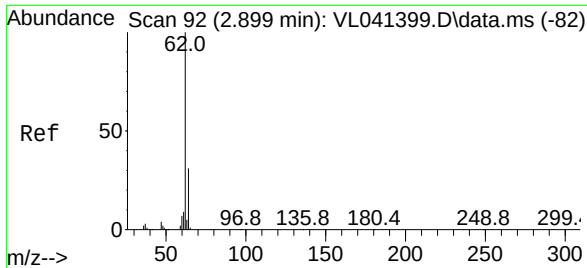
Tgt Ion: 51 Resp: 151299
Ion Ratio Lower Upper
51 100
67 18.8 14.5 21.7



#4
Chloromethane
Concen: 1.039 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 50 Resp: 82099
Ion Ratio Lower Upper
50 100
52 30.6 26.1 39.1

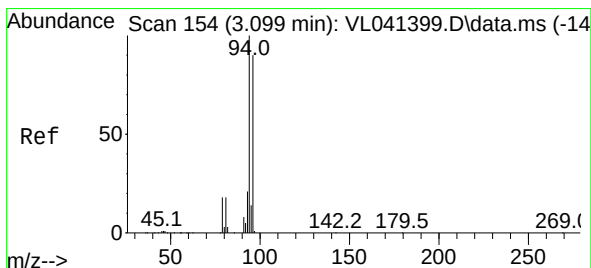
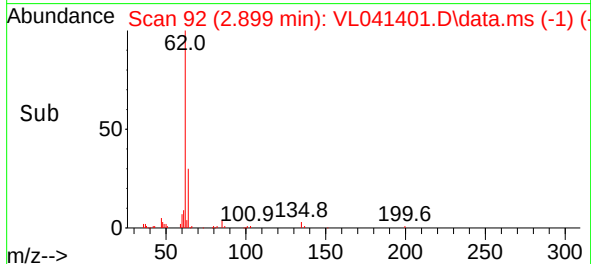
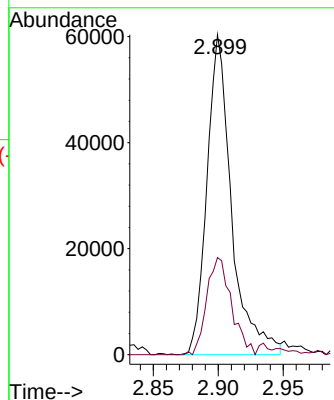
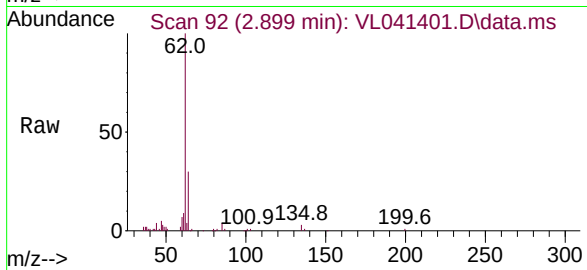




#5
 Vinyl Chloride
 Concen: 0.932 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

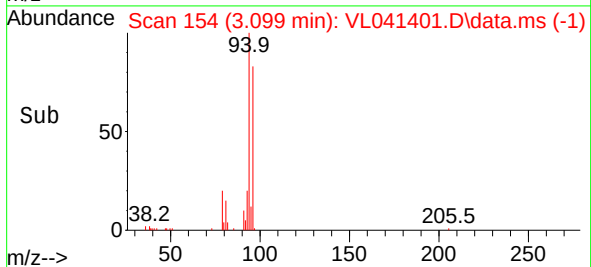
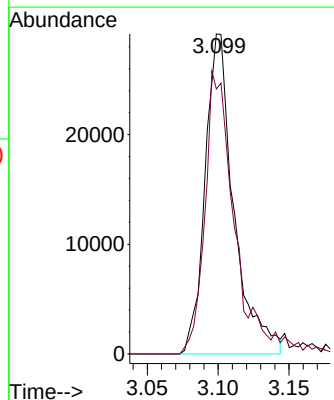
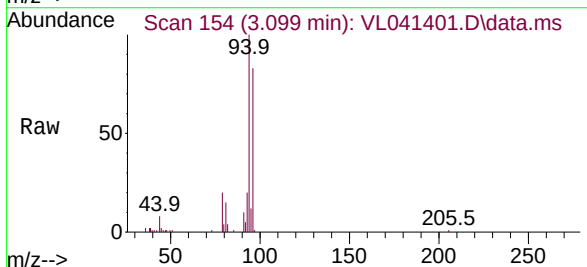
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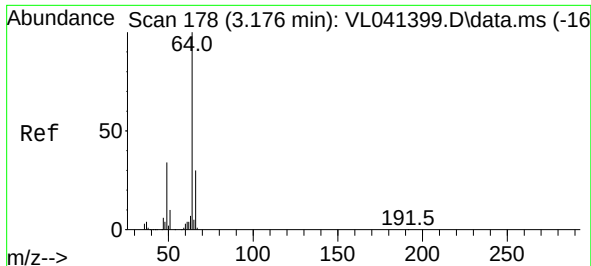
Tgt Ion: 62 Resp: 79527
 Ion Ratio Lower Upper
 62 100
 64 30.3 25.0 37.4



#6
 Bromomethane
 Concen: 1.526 ppbv
 RT: 3.099 min Scan# 154
 Delta R.T. 0.000 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

Tgt Ion: 94 Resp: 41204
 Ion Ratio Lower Upper
 94 100
 96 82.8 72.3 108.5

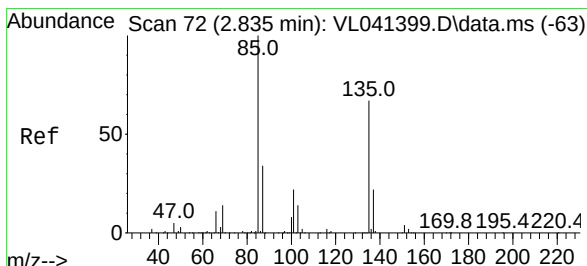
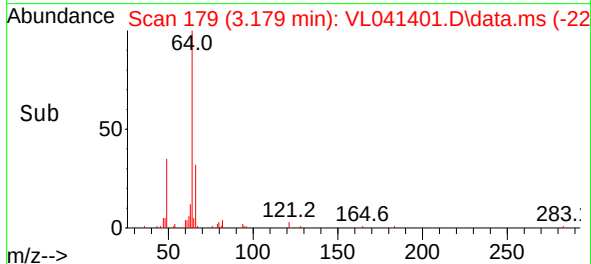
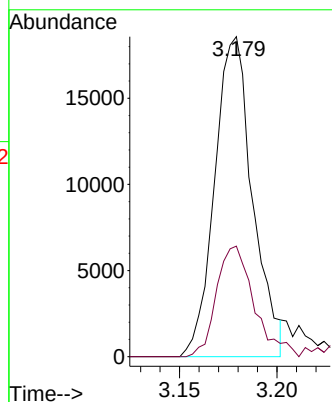
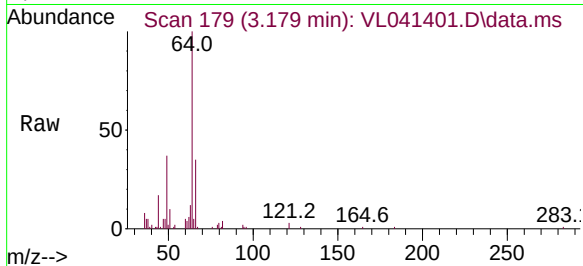




#7
Chloroethane
Concen: 0.891 ppbv
RT: 3.179 min Scan# 1
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

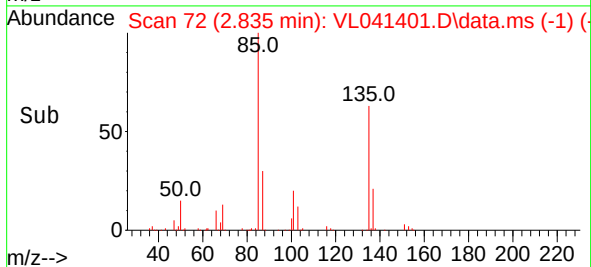
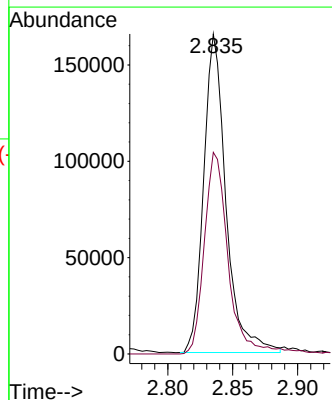
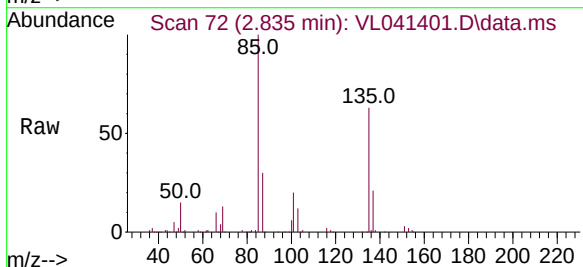
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

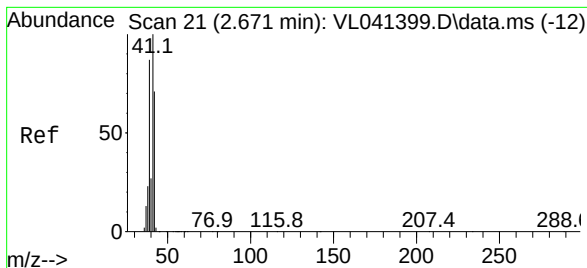
Tgt Ion: 64 Resp: 25119
Ion Ratio Lower Upper
64 100
66 34.6 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 0.992 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 85 Resp: 197281
Ion Ratio Lower Upper
85 100
135 68.7 55.4 83.0





#9

Propene

Concen: 0.982 ppbv

RT: 2.674 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

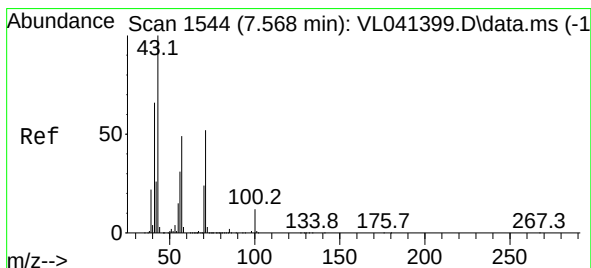
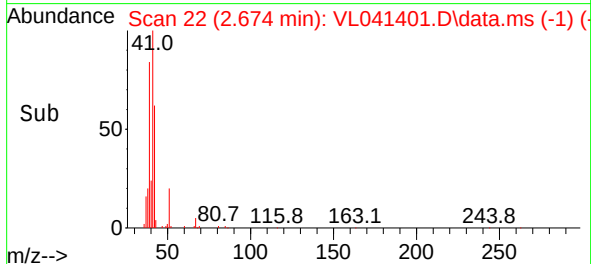
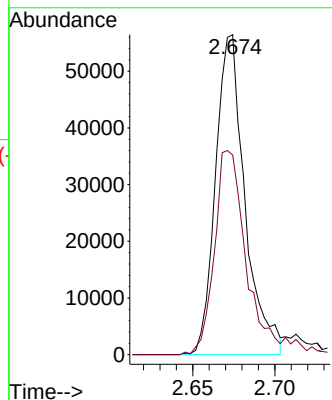
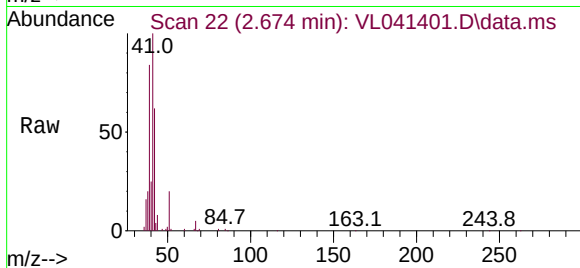
VSTDIC001

Tgt Ion: 41 Resp: 70203

Ion Ratio Lower Upper

41 100

42 72.1 55.9 83.9



#10

Heptane

Concen: 0.885 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. 0.000 min

Lab File: VL041401.D

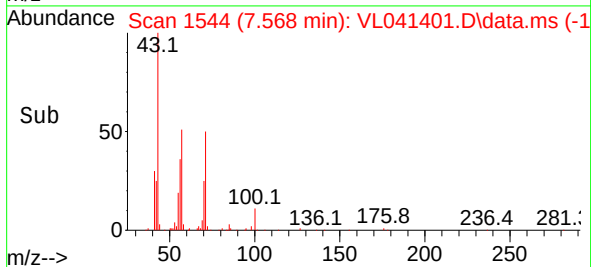
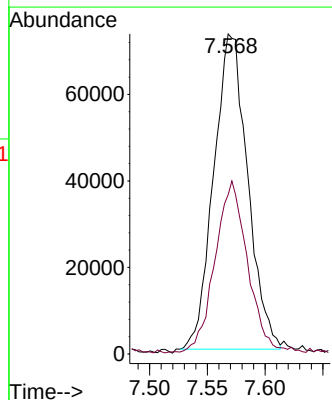
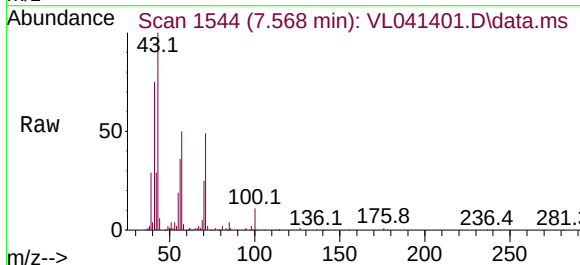
Acq: 25 Jul 2024 15:19

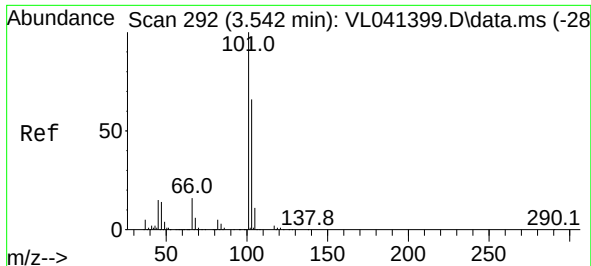
Tgt Ion: 43 Resp: 148675

Ion Ratio Lower Upper

43 100

57 53.2 40.5 60.7

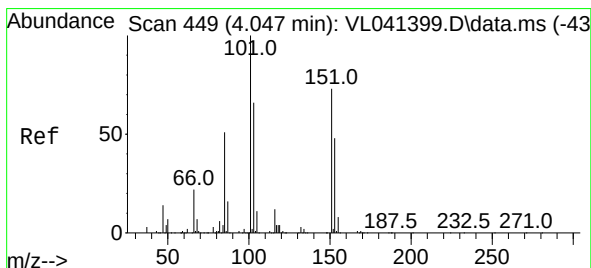
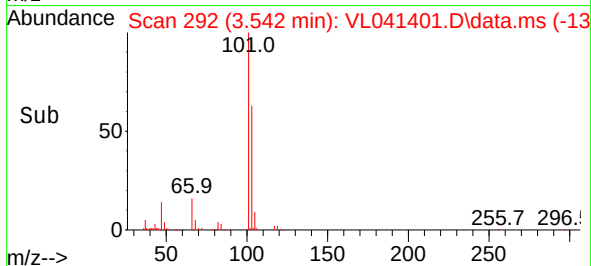
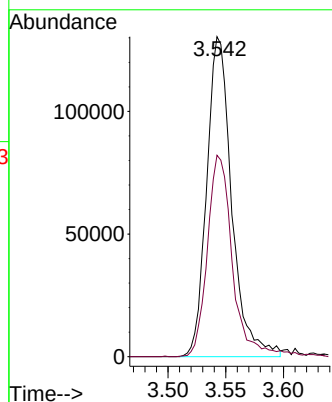
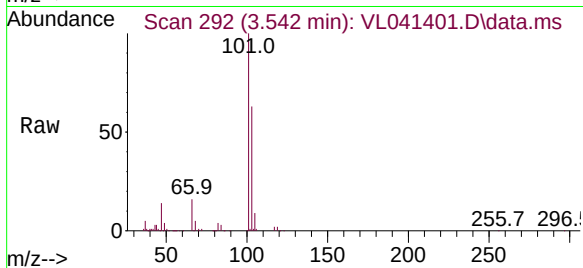




#11
 Trichlorofluoromethane
 Concen: 0.986 ppbv
 RT: 3.542 min Scan# 292
 Delta R.T. 0.000 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

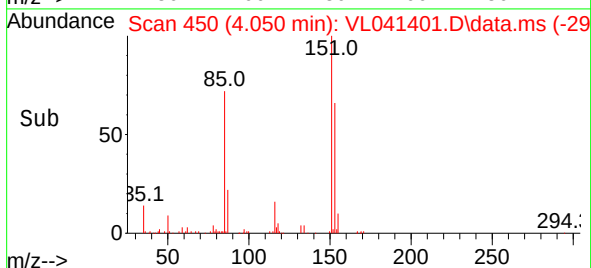
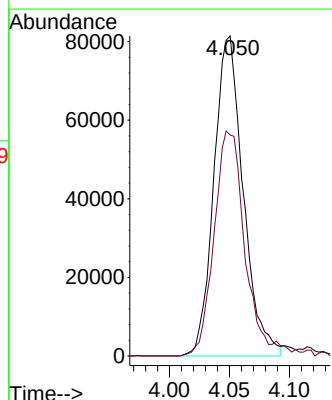
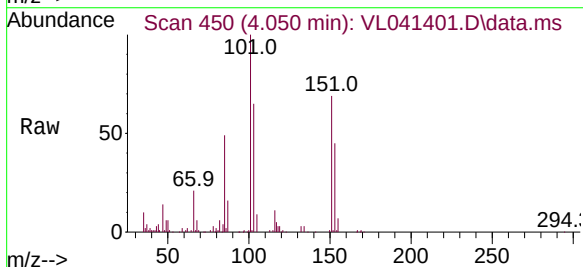
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

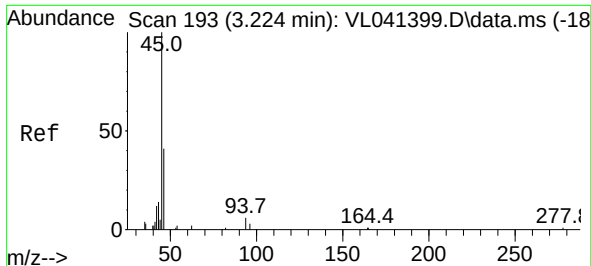
Tgt Ion:101 Resp: 196294
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.992 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. 0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

Tgt Ion:101 Resp: 138368
 Ion Ratio Lower Upper
 101 100
 151 75.5 59.4 89.2





#13

Ethanol

Concen: 0.181 ppbv

RT: 3.240 min Scan# 193

Delta R.T. 0.016 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

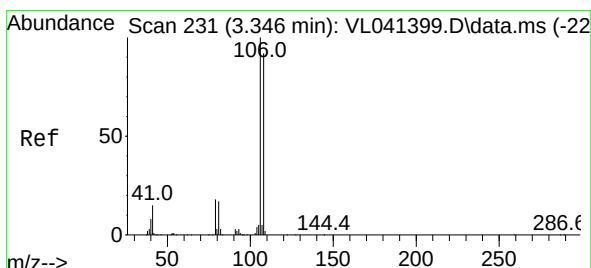
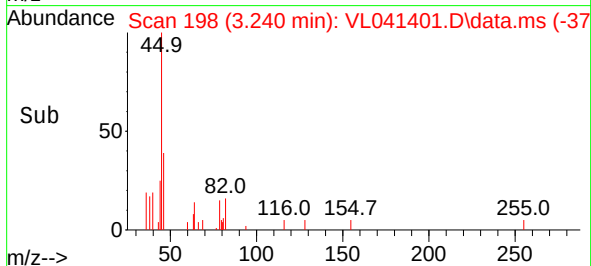
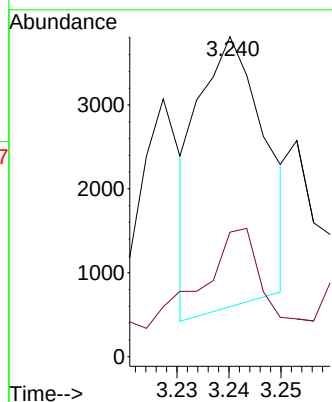
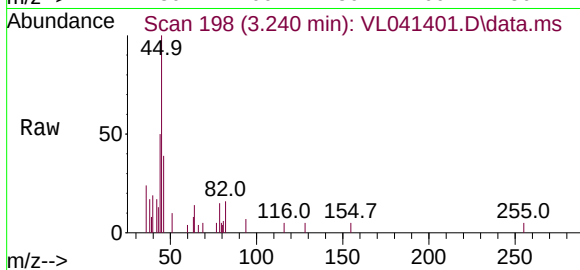
VSTDIC001

Tgt Ion: 45 Resp: 2873

Ion Ratio Lower Upper

45 100

46 113.0 13.4 53.4#



#14

Bromoethene

Concen: 0.921 ppbv

RT: 3.350 min Scan# 232

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

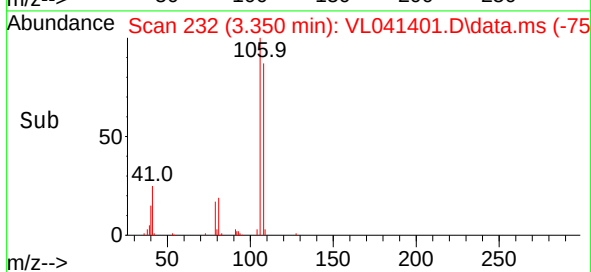
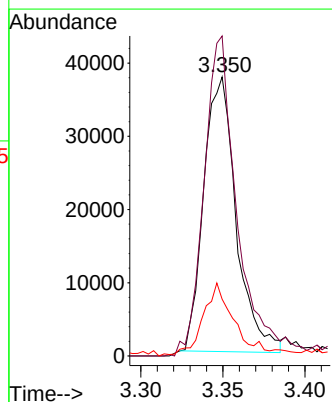
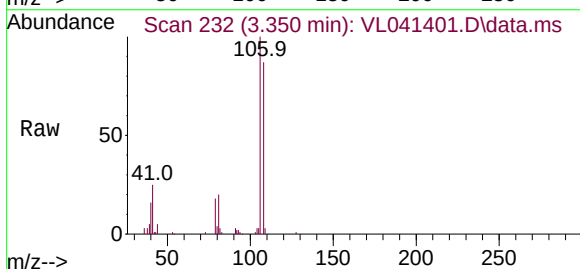
Tgt Ion: 108 Resp: 51557

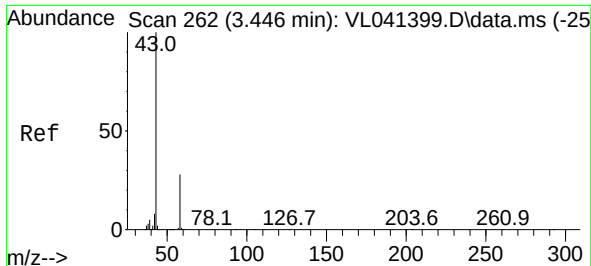
Ion Ratio Lower Upper

108 100

106 123.8 86.9 130.3

79 27.7 16.2 24.4#

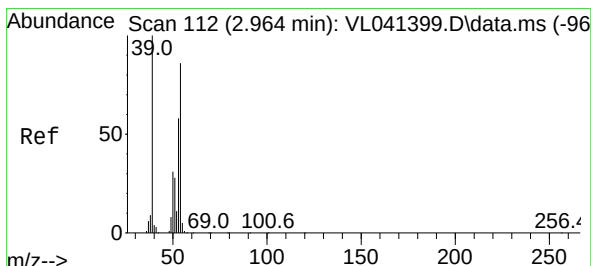
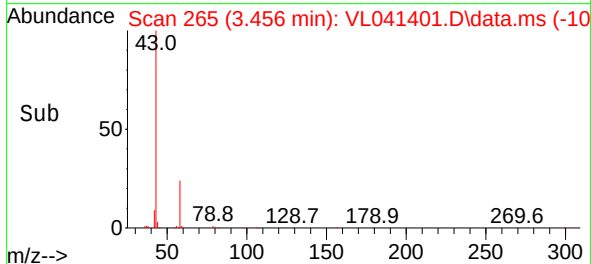
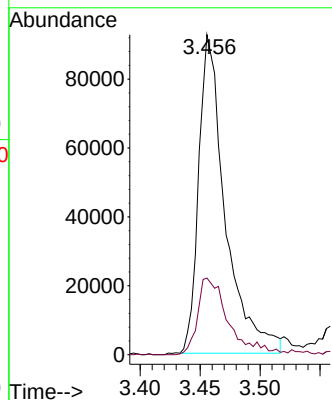
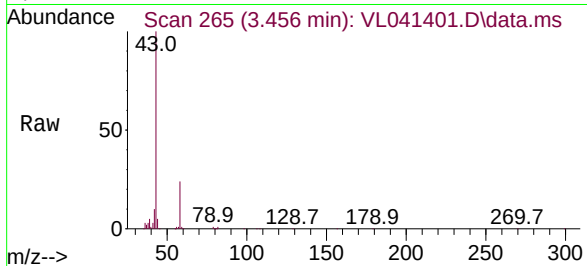




#15
Acetone
Concen: 0.902 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

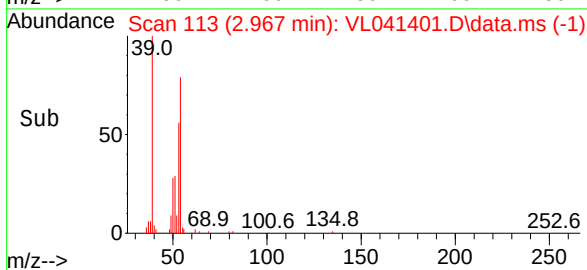
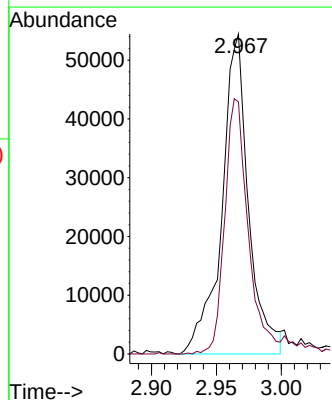
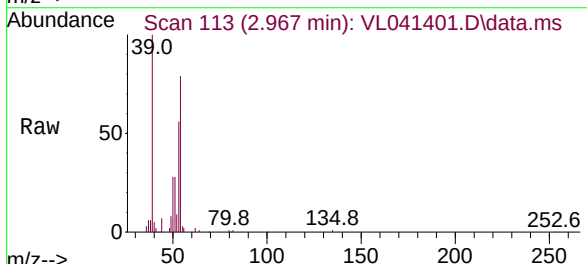
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

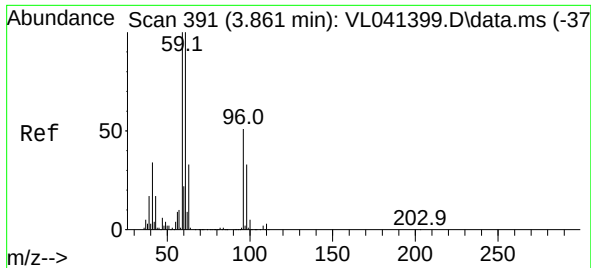
Tgt Ion: 43 Resp: 142863
Ion Ratio Lower Upper
43 100
58 28.6 21.4 32.2



#16
1,3-Butadiene
Concen: 1.038 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 39 Resp: 78187
Ion Ratio Lower Upper
39 100
54 74.9 62.5 93.7





#17

tert-Butyl alcohol

Concen: 1.080 ppbv

RT: 3.867 min Scan# 393

Delta R.T. 0.007 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

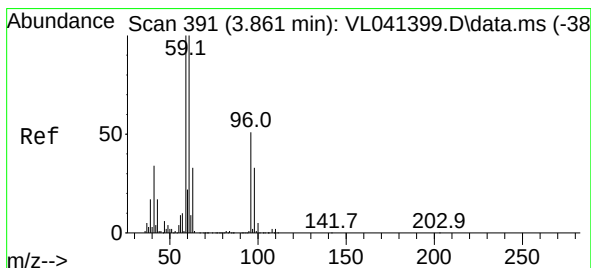
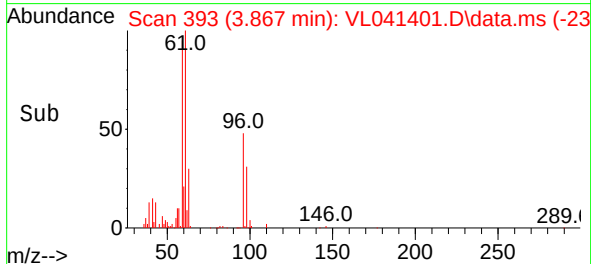
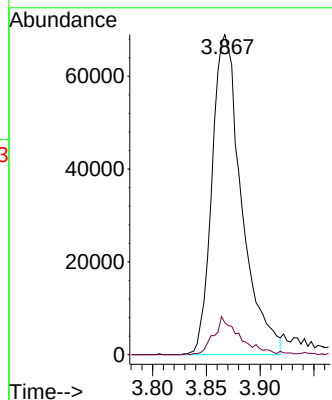
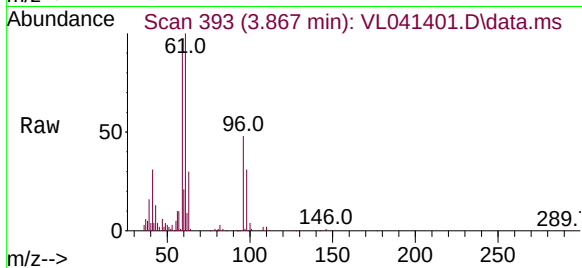
VSTDIC001

Tgt Ion: 59 Resp: 131833

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 0.937 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

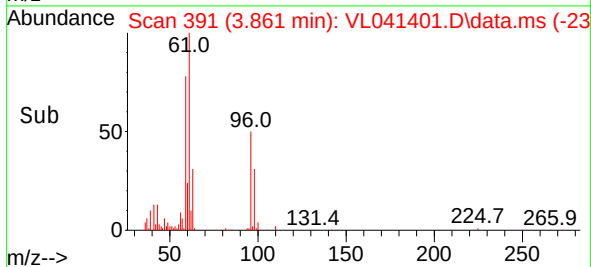
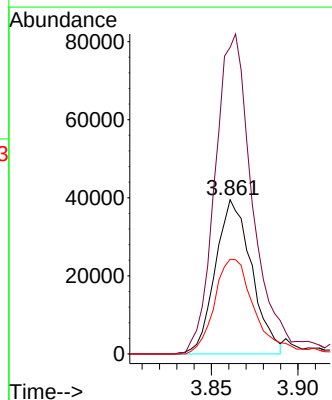
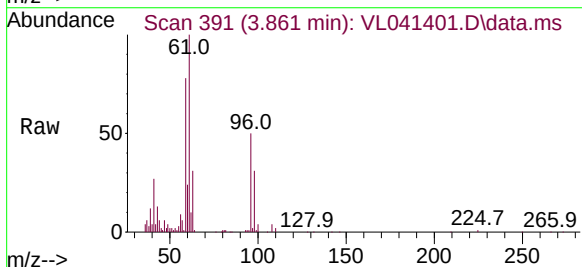
Tgt Ion: 96 Resp: 57445

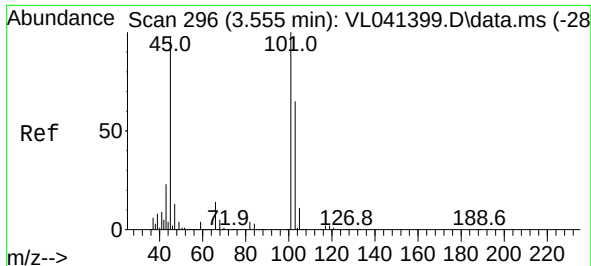
Ion Ratio Lower Upper

96 100

61 197.8 157.5 236.3

98 61.4 51.2 76.8





#19

Isopropyl Alcohol

Concen: 0.930 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.013 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

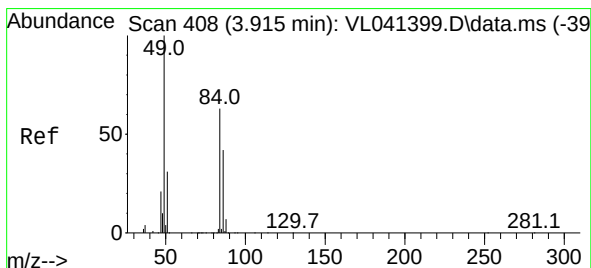
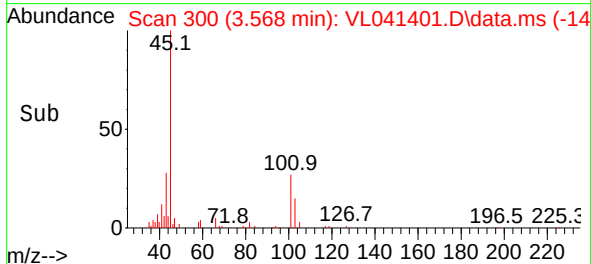
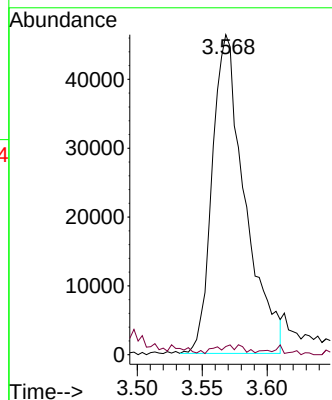
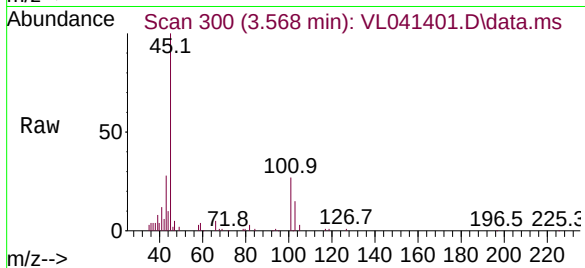
VSTDIC001

Tgt Ion: 45 Resp: 80830

Ion Ratio Lower Upper

45 100

58 3.1 1.9 2.9#



#20

Methylene Chloride

Concen: 0.898 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion: 84 Resp: 51566

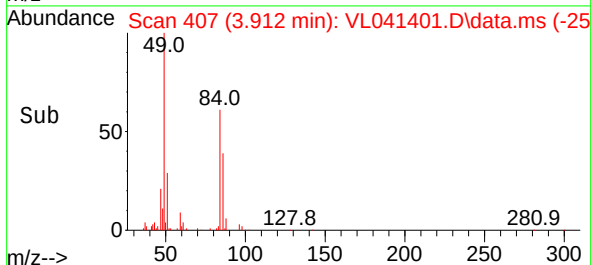
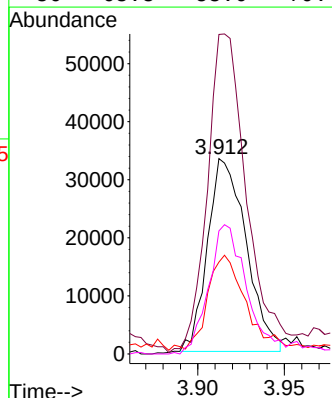
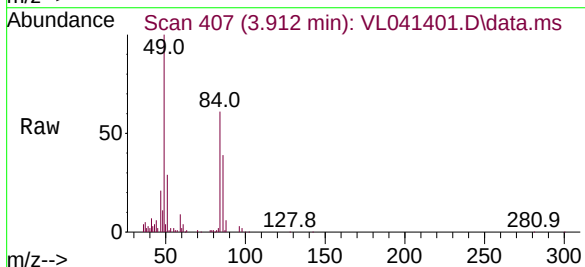
Ion Ratio Lower Upper

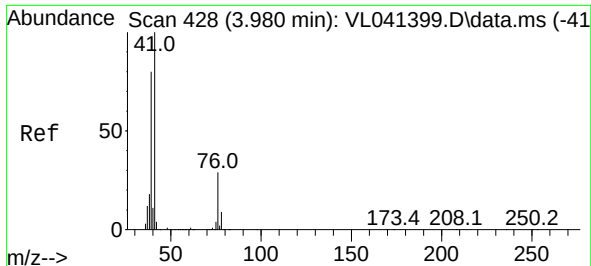
84 100

49 163.0 126.6 190.0

51 43.8 38.6 58.0

86 63.8 53.0 79.4





#21

Allyl Chloride

Concen: 0.983 ppbv

RT: 3.980 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC001

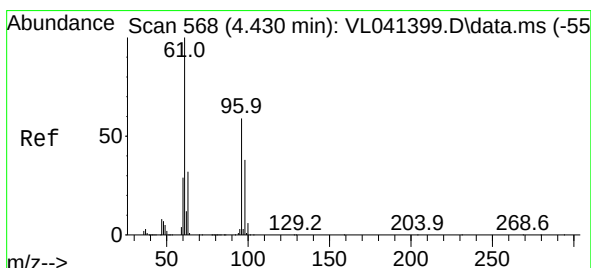
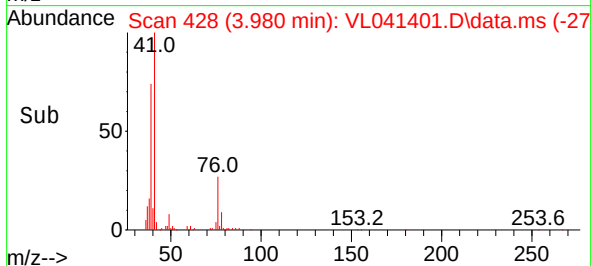
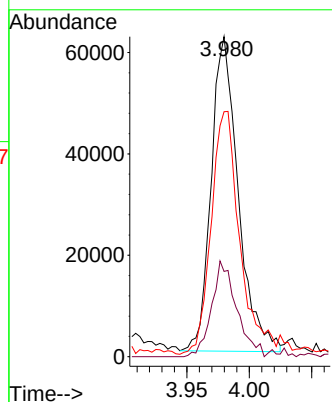
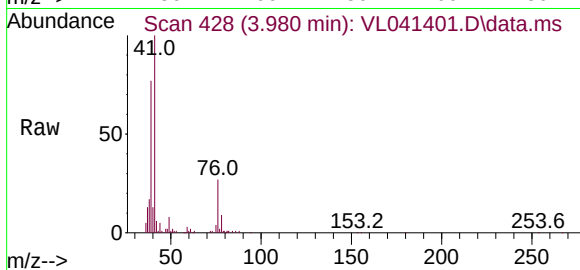
Tgt Ion: 41 Resp: 93864

Ion Ratio Lower Upper

41 100

76 29.7 23.7 35.5

39 85.8 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 0.947 ppbv

RT: 4.433 min Scan# 569

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

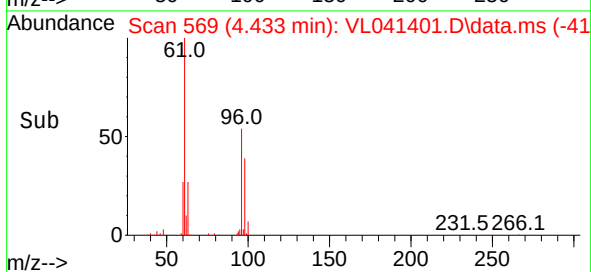
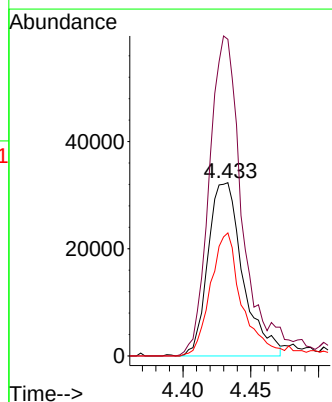
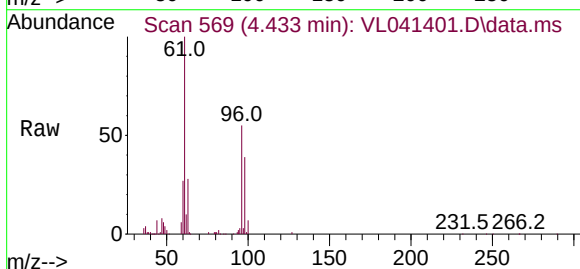
Tgt Ion: 96 Resp: 57666

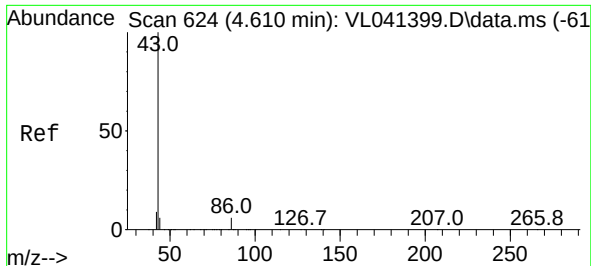
Ion Ratio Lower Upper

96 100

61 182.0 135.4 203.2

98 71.0 51.0 76.4

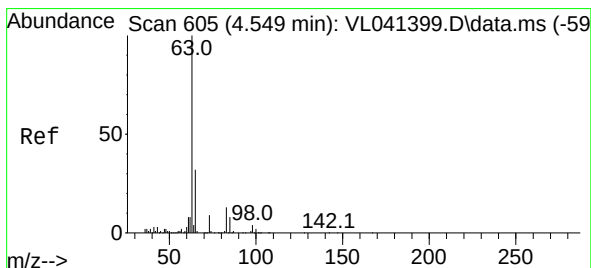
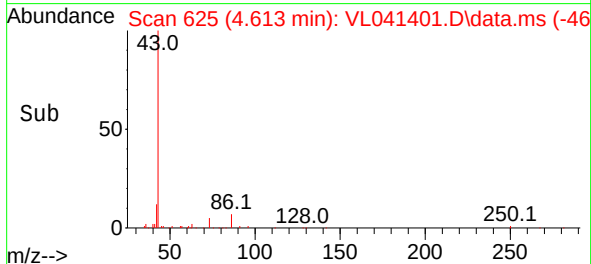
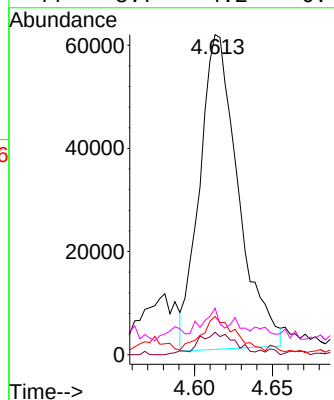
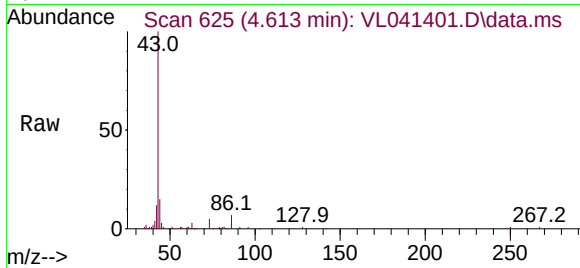




#23
 Vinyl Acetate
 Concen: 0.671 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

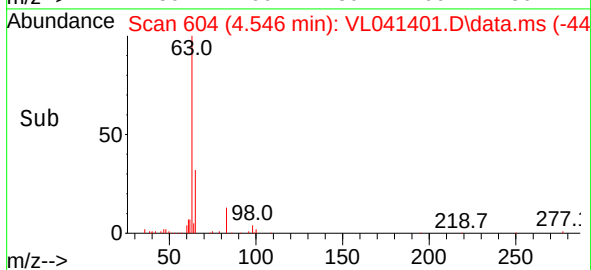
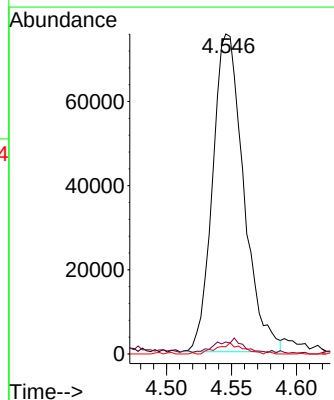
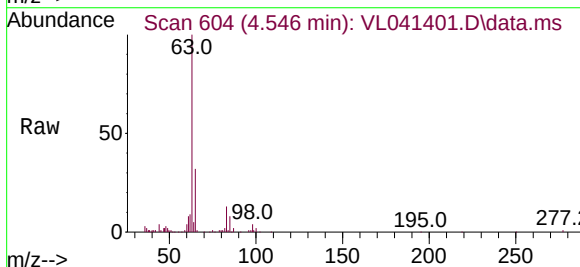
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

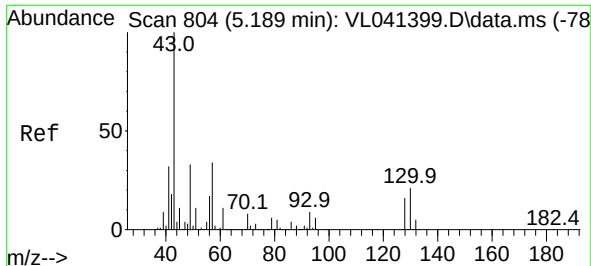
Tgt Ion: 43 Resp: 104758
 Ion Ratio Lower Upper
 43 100
 86 7.6 4.6 6.8#
 42 11.6 7.9 11.9
 44 8.7 4.2 6.4#



#24
 1,1-Dichloroethane
 Concen: 0.926 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. -0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

Tgt Ion: 63 Resp: 125314
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.0 6.0
 100 2.3 1.2 3.6





#25

Ethyl Acetate

Concen: 0.979 ppbv

RT: 5.195 min Scan# 804

Delta R.T. 0.007 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 285442

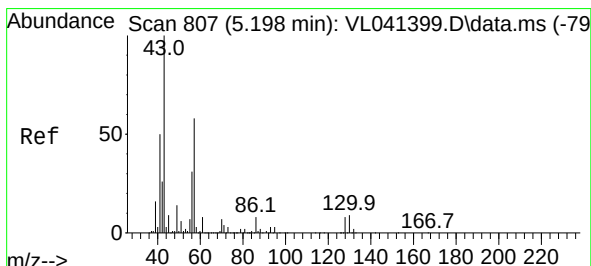
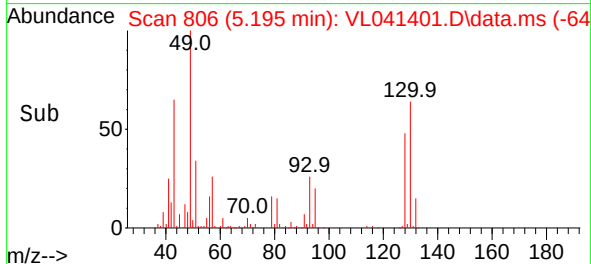
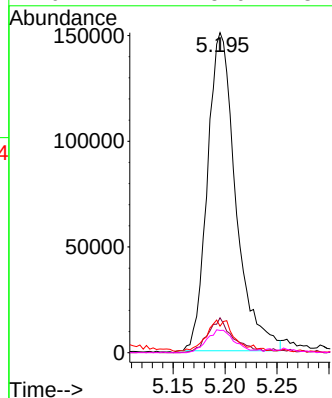
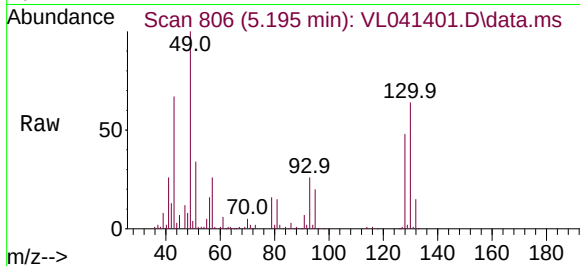
Ion Ratio Lower Upper

43 100

45 9.6 8.5 12.7

61 11.3 8.0 12.0

70 7.2 5.9 8.9



#26

Hexane

Concen: 0.883 ppbv

RT: 5.198 min Scan# 807

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion: 57 Resp: 113990

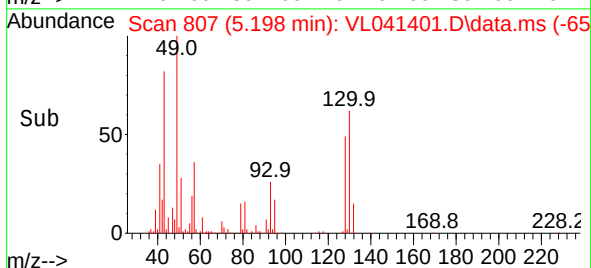
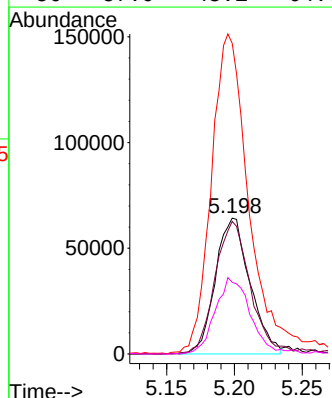
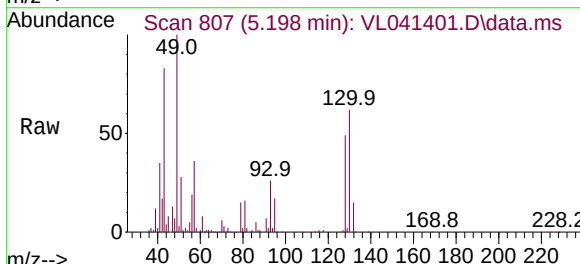
Ion Ratio Lower Upper

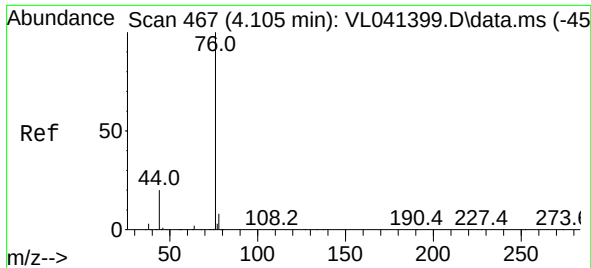
57 100

41 103.5 74.0 111.0

43 266.1 193.6 290.4

56 57.9 43.1 64.7





#27

Carbon Disulfide

Concen: 0.779 ppbv

RT: 4.112 min Scan# 4

Delta R.T. 0.007 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

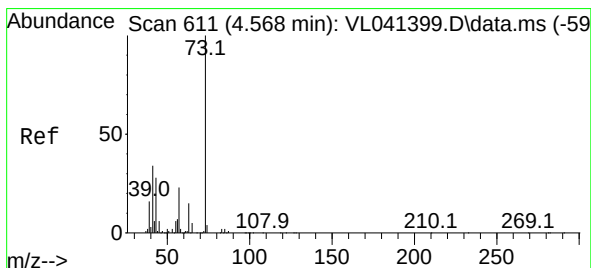
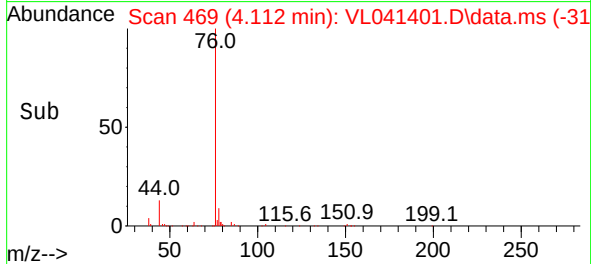
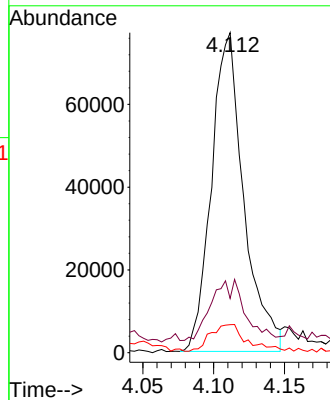
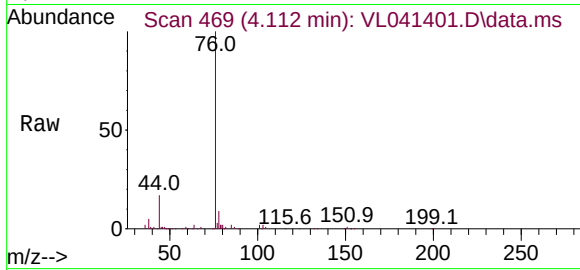
Tgt Ion: 76 Resp: 122266

Ion Ratio Lower Upper

76 100

44 20.5 15.6 23.4

78 11.2 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 0.798 ppbv

RT: 4.575 min Scan# 613

Delta R.T. 0.007 min

Lab File: VL041401.D

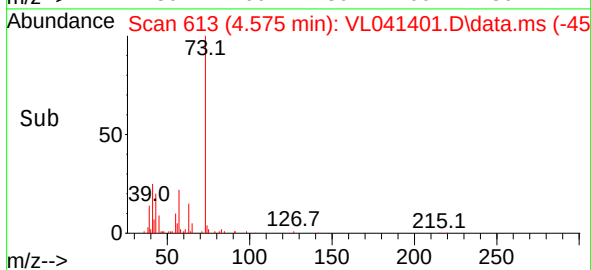
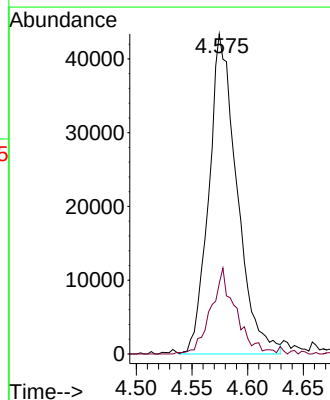
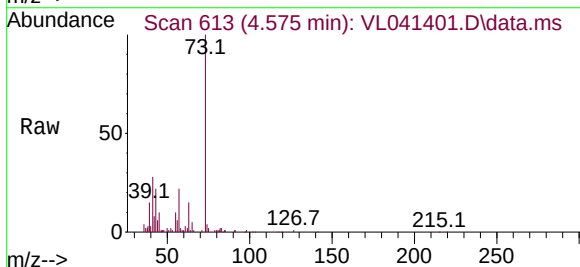
Acq: 25 Jul 2024 15:19

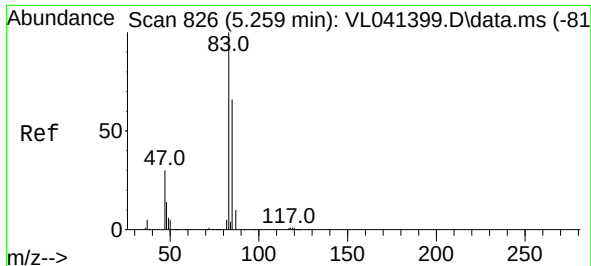
Tgt Ion: 73 Resp: 76370

Ion Ratio Lower Upper

73 100

57 24.3 18.9 28.3





#29

Chloroform

Concen: 0.970 ppbv

RT: 5.259 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

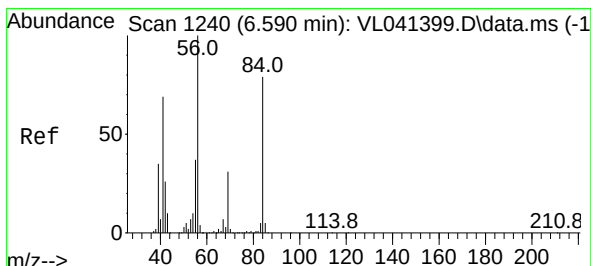
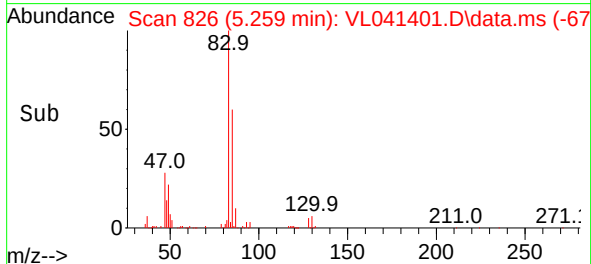
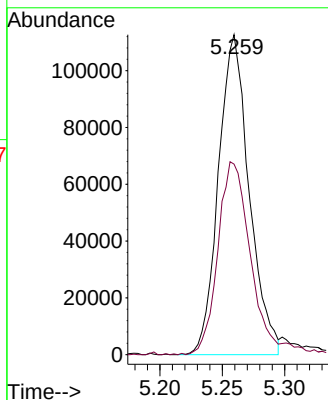
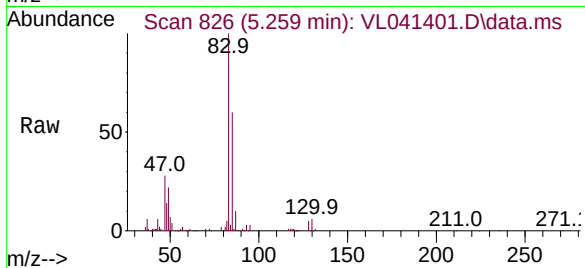
VSTDIC001

Tgt Ion: 83 Resp: 193219

Ion Ratio Lower Upper

83 100

85 59.6 53.1 79.7



#30

Cyclohexane

Concen: 0.426 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

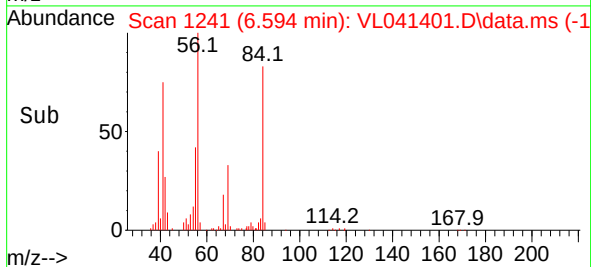
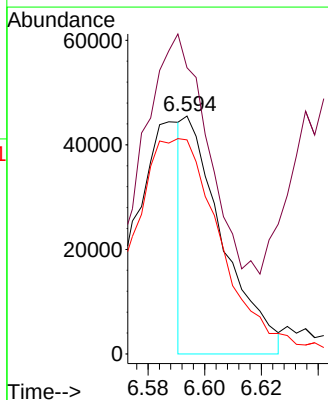
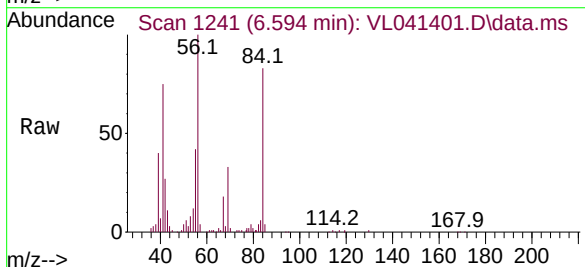
Tgt Ion: 84 Resp: 43834

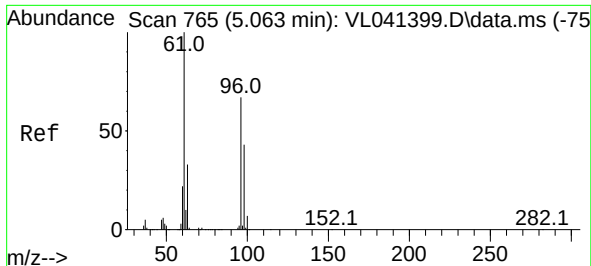
Ion Ratio Lower Upper

84 100

56 279.0 111.2 166.8#

41 211.2 70.3 105.5#





#31

cis-1,2-Dichloroethene

Concen: 0.908 ppbv

RT: 5.066 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

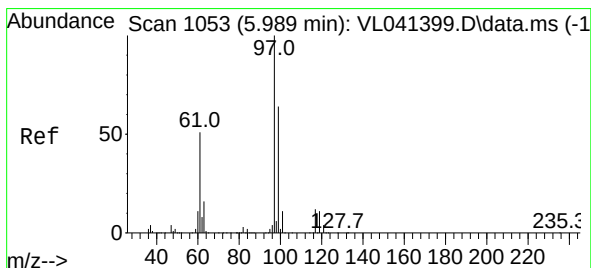
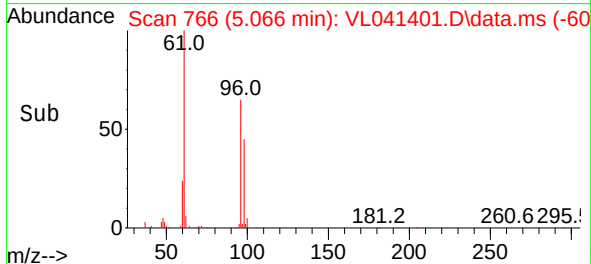
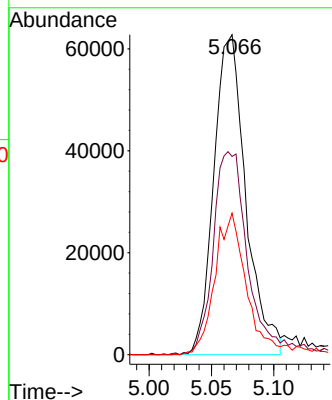
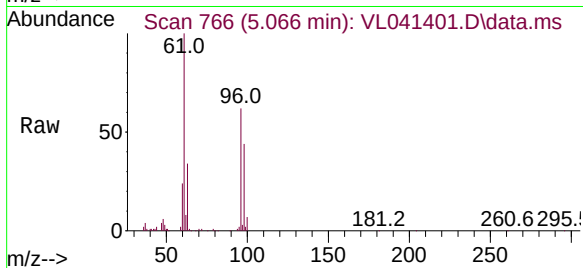
Tgt Ion: 61 Resp: 112360

Ion Ratio Lower Upper

61 100

96 62.0 53.4 80.2

98 44.2 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 0.870 ppbv

RT: 5.986 min Scan# 1052

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

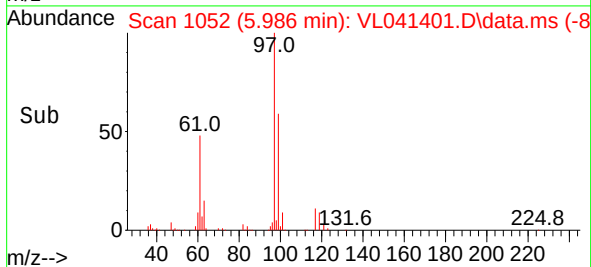
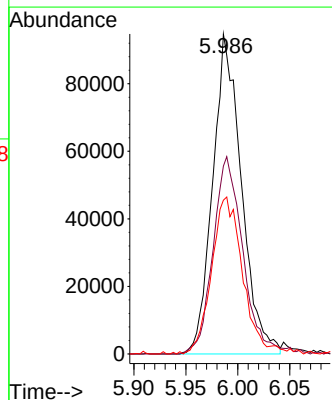
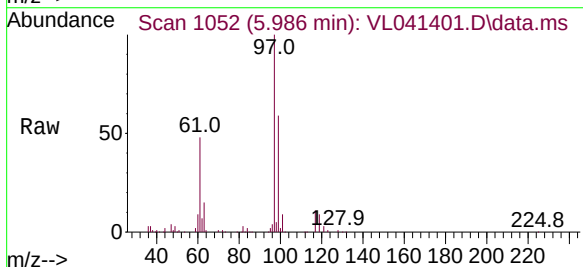
Tgt Ion: 97 Resp: 181889

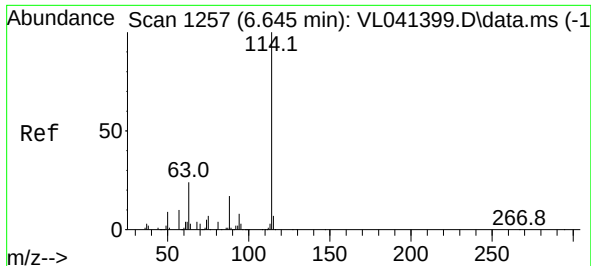
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 53.9 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

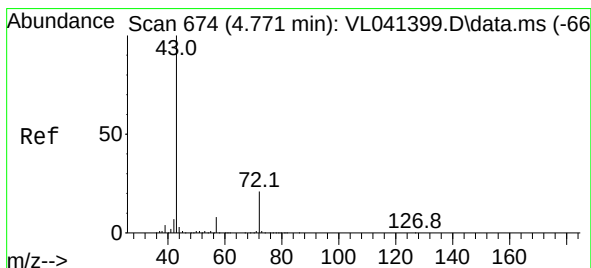
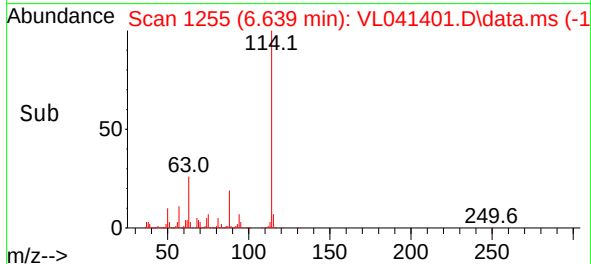
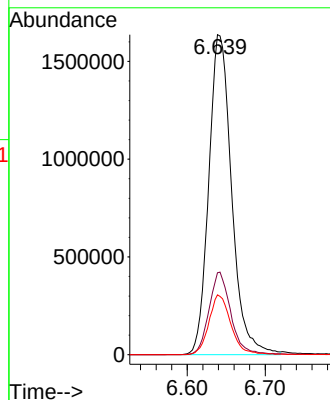
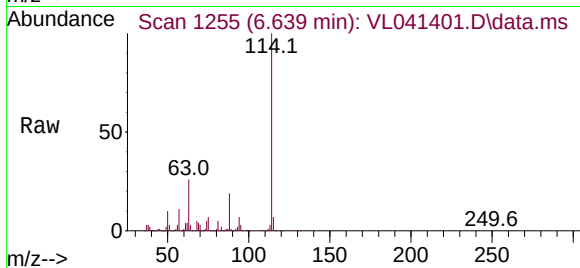
Tgt Ion:114 Resp: 3342988

Ion Ratio Lower Upper

114 100

63 24.7 20.3 30.5

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 0.930 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.007 min

Lab File: VL041401.D

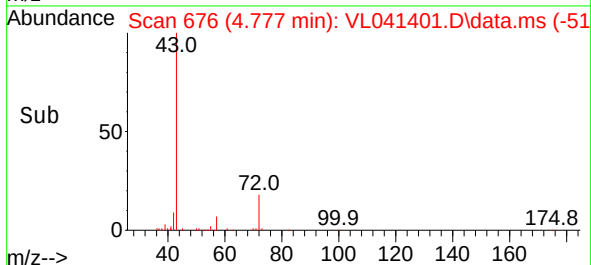
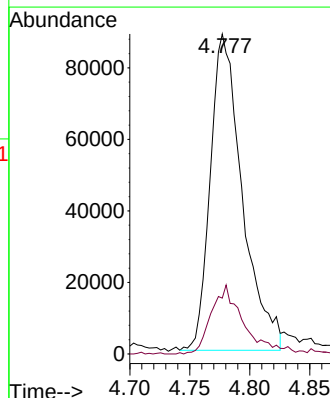
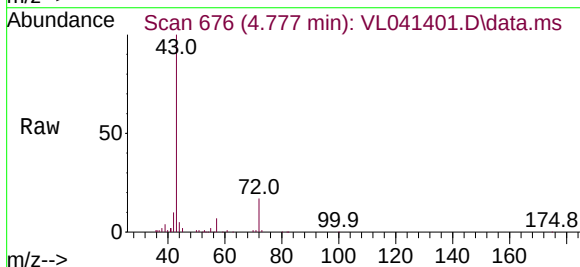
Acq: 25 Jul 2024 15:19

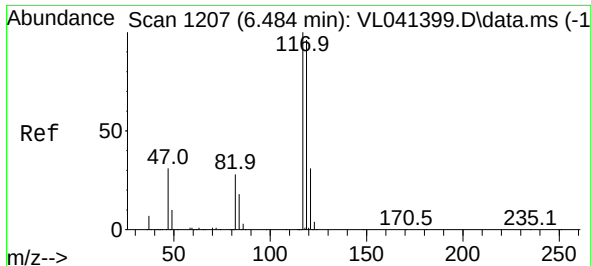
Tgt Ion: 43 Resp: 163975

Ion Ratio Lower Upper

43 100

72 23.0 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.845 ppbv

RT: 6.481 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

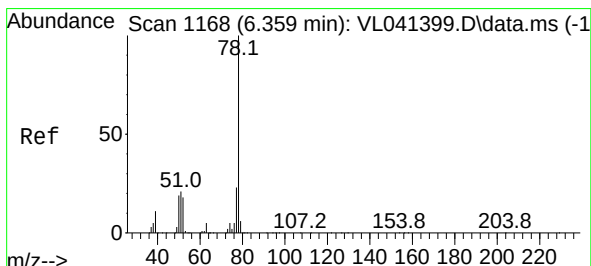
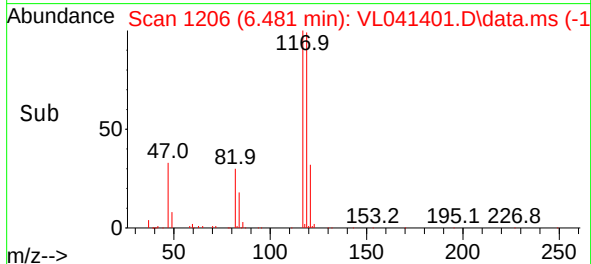
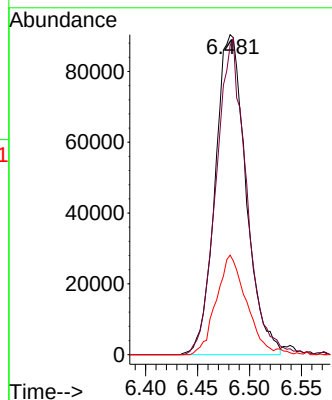
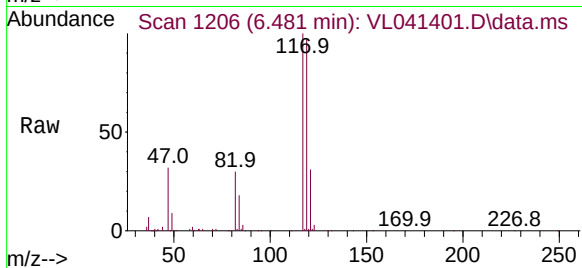
Tgt Ion:117 Resp: 186609

Ion Ratio Lower Upper

117 100

119 96.6 76.6 115.0

121 31.1 25.1 37.7



#36

Benzene

Concen: 0.940 ppbv

RT: 6.356 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

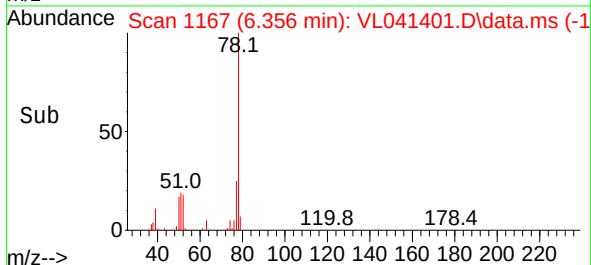
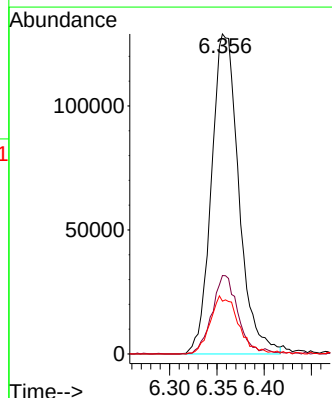
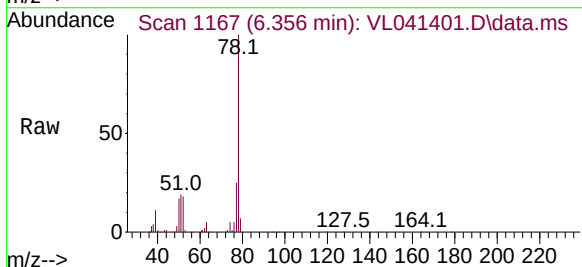
Tgt Ion: 78 Resp: 259942

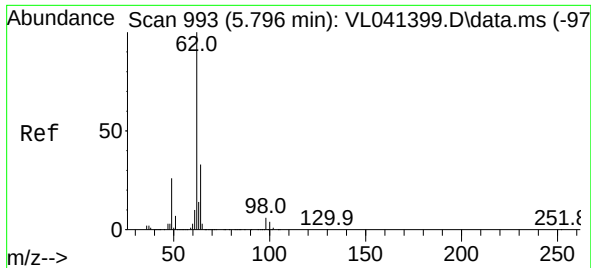
Ion Ratio Lower Upper

78 100

77 24.5 18.1 27.1

50 16.5 15.5 23.3

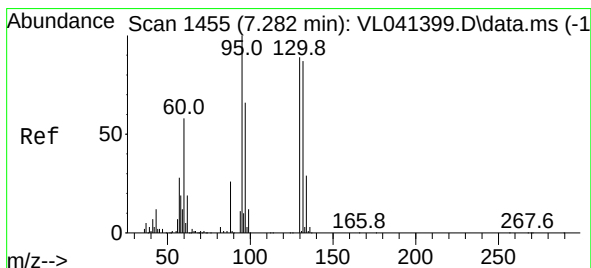
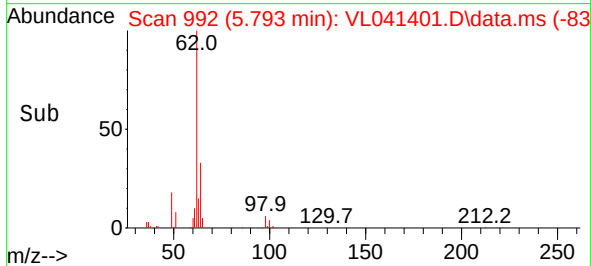
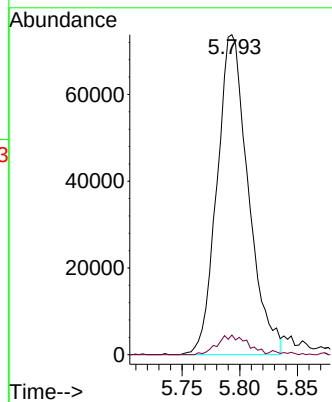
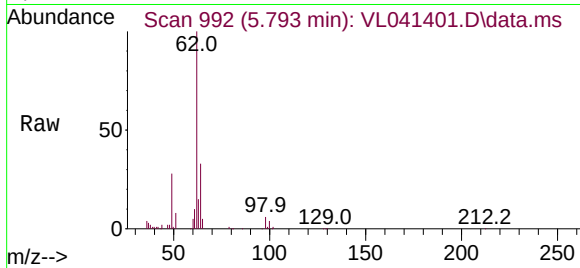




#37
1,2-Dichloroethane
Concen: 0.875 ppbv
RT: 5.793 min Scan# 993
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

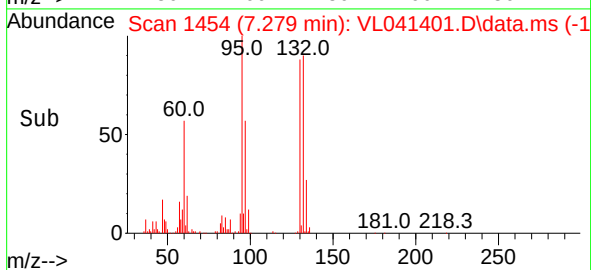
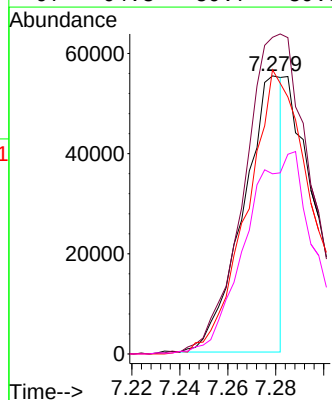
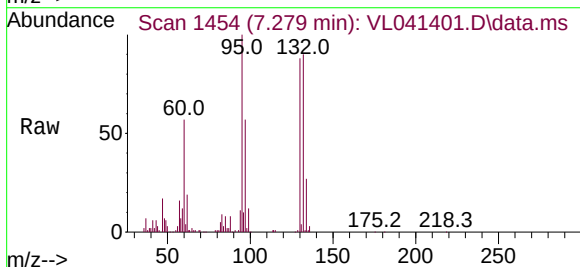
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

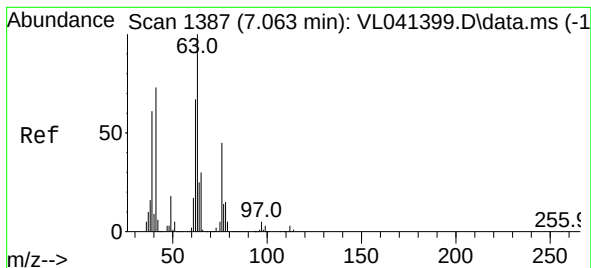
Tgt Ion: 62 Resp: 138981
Ion Ratio Lower Upper
62 100
98 6.3 5.0 7.4



#38
Trichloroethene
Concen: 0.513 ppbv
RT: 7.279 min Scan# 1454
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion:130 Resp: 61853
Ion Ratio Lower Upper
130 100
95 114.0 90.2 135.2
132 102.0 78.1 117.1
97 64.3 59.7 89.5





#39

1,2-Dichloropropane

Concen: 0.866 ppbv

RT: 7.063 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

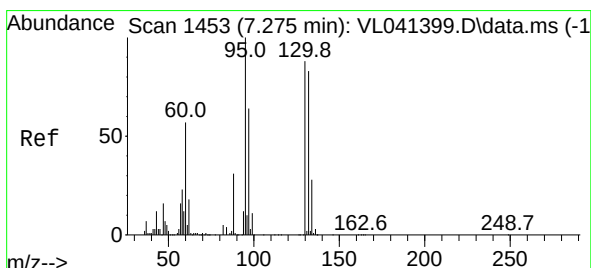
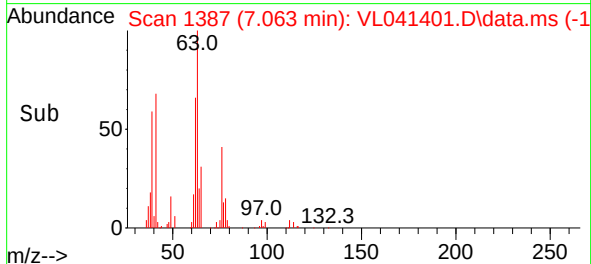
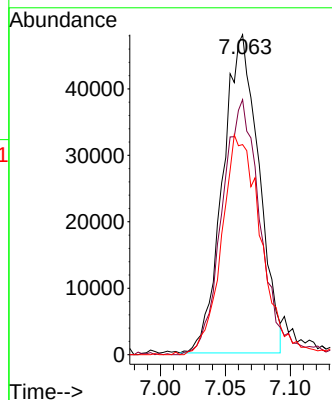
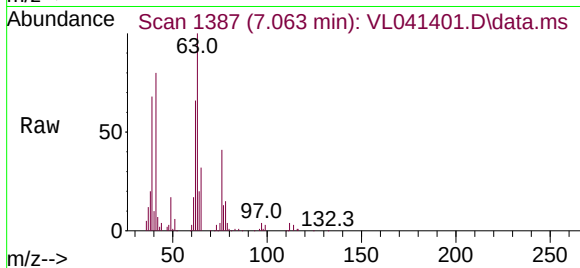
Tgt Ion: 63 Resp: 92598

Ion Ratio Lower Upper

63 100

41 80.1 58.3 87.5

62 66.0 53.9 80.9



#40

1,4-Dioxane

Concen: 0.841 ppbv

RT: 7.298 min Scan# 1460

Delta R.T. 0.023 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Tgt Ion: 88 Resp: 28817

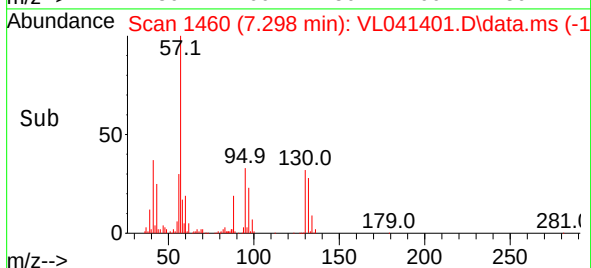
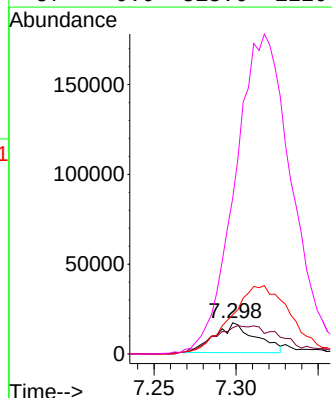
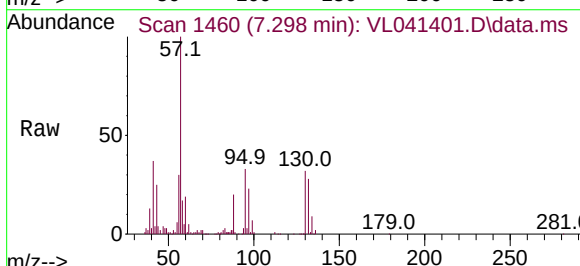
Ion Ratio Lower Upper

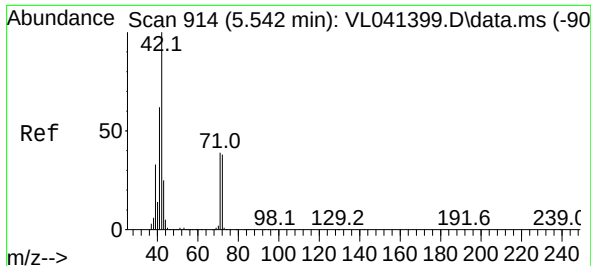
88 100

58 172.4 95.8 143.6#

43 0.0 188.2 282.2#

57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 0.890 ppbv

RT: 5.558 min Scan# 914

Delta R.T. 0.016 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

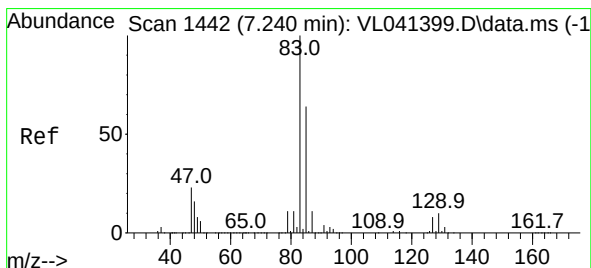
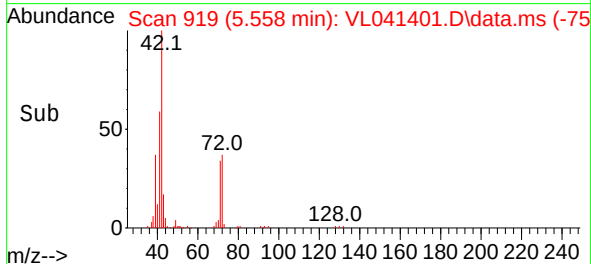
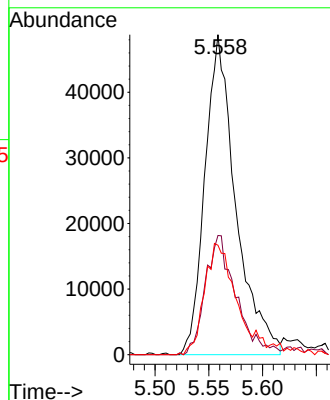
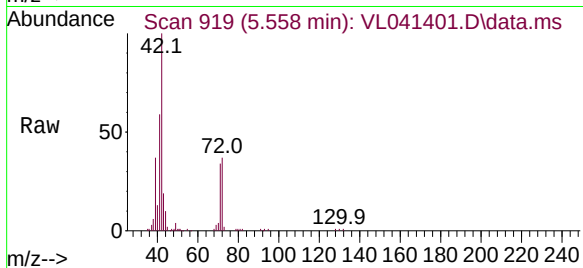
Tgt Ion: 42 Resp: 97249

Ion Ratio Lower Upper

42 100

72 37.1 31.2 46.8

71 39.0 30.5 45.7



#42

Bromodichloromethane

Concen: 0.923 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

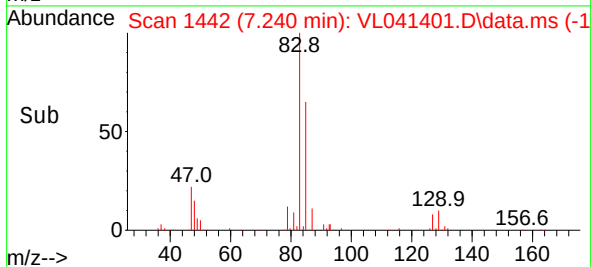
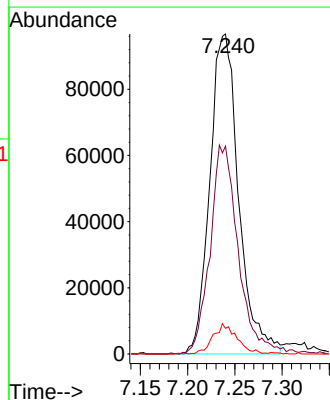
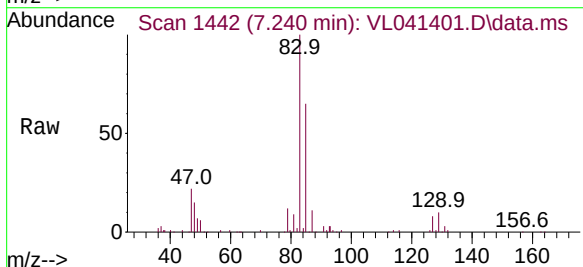
Tgt Ion: 83 Resp: 204988

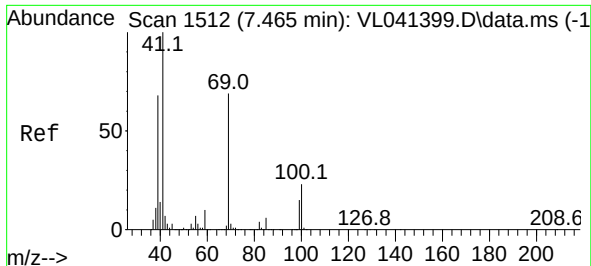
Ion Ratio Lower Upper

83 100

85 64.9 51.4 77.0

127 7.8 6.7 10.1





#43

Methyl Methacrylate

Concen: 0.811 ppbv

RT: 7.472 min Scan# 1512

Delta R.T. 0.007 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

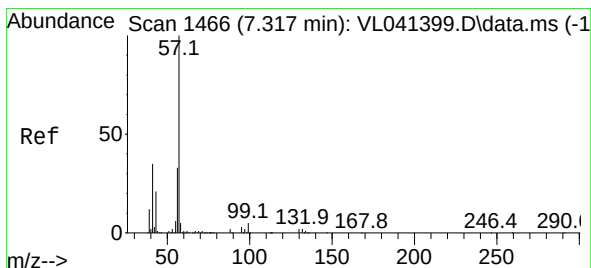
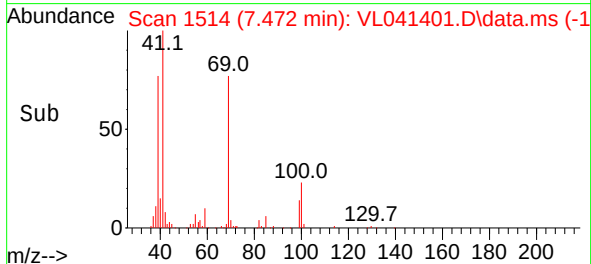
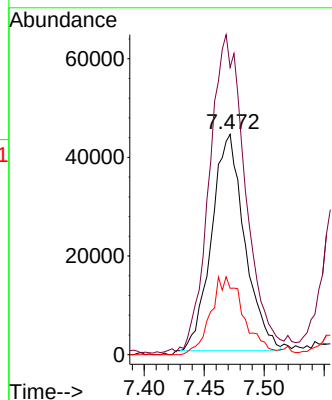
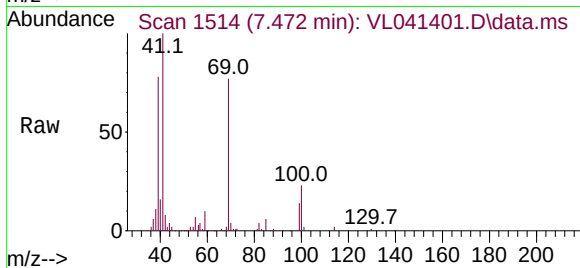
Tgt Ion: 69 Resp: 84268

Ion Ratio Lower Upper

69 100

41 164.9 118.7 178.1

100 37.0 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 0.920 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

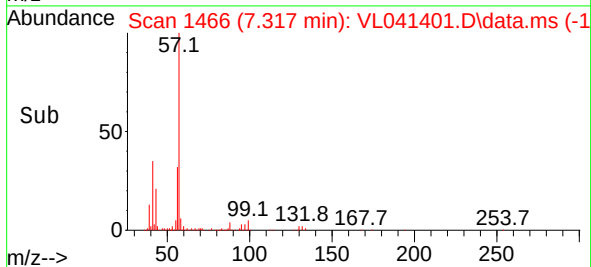
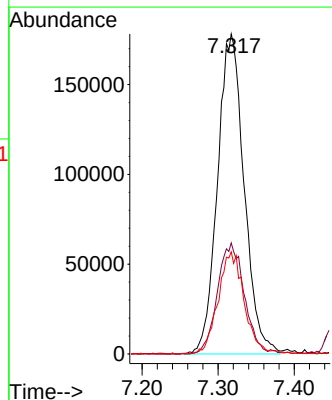
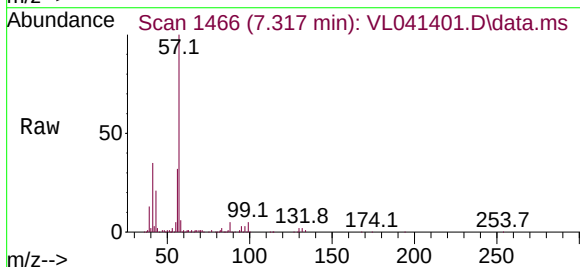
Tgt Ion: 57 Resp: 432528

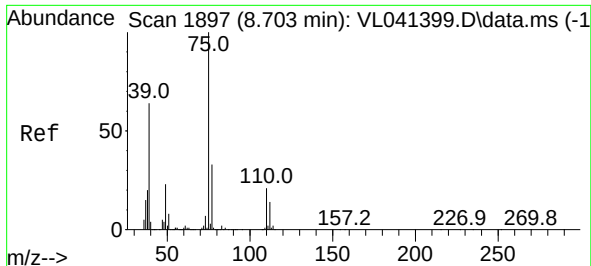
Ion Ratio Lower Upper

57 100

41 35.3 27.0 40.6

56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 1.029 ppbv

RT: 8.706 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

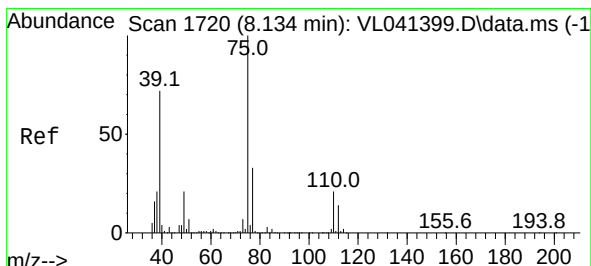
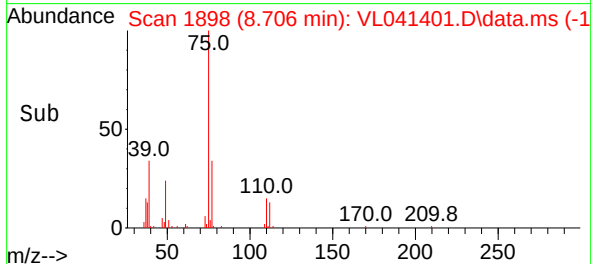
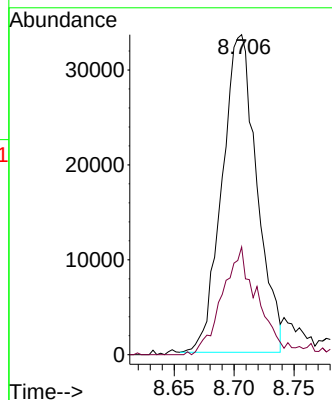
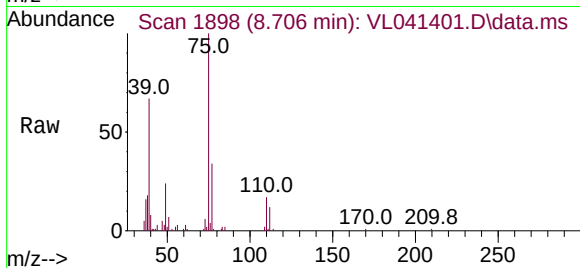
VSTDIC001

Tgt Ion: 75 Resp: 67675

Ion Ratio Lower Upper

75 100

77 33.7 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 1.230 ppbv

RT: 8.134 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

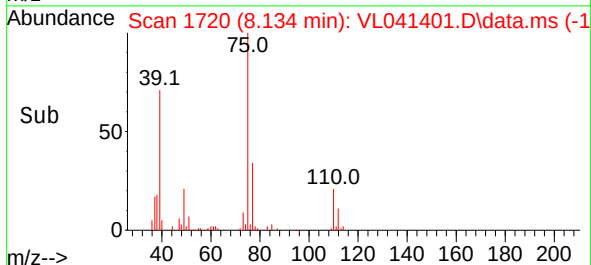
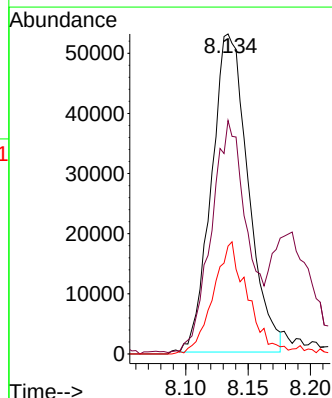
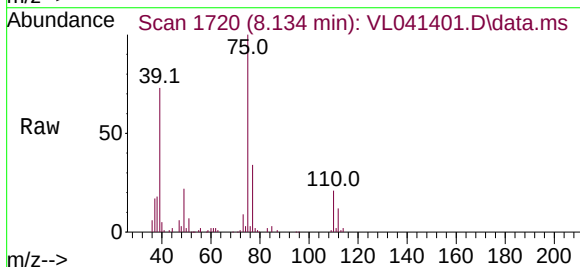
Tgt Ion: 75 Resp: 108779

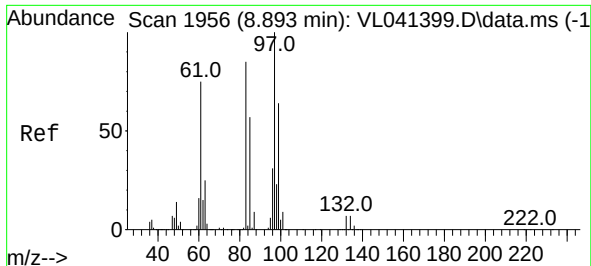
Ion Ratio Lower Upper

75 100

39 72.4 57.3 85.9

77 33.2 26.2 39.2



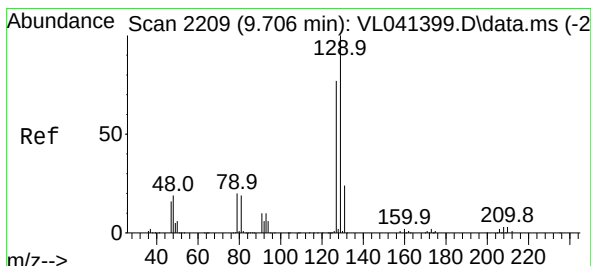
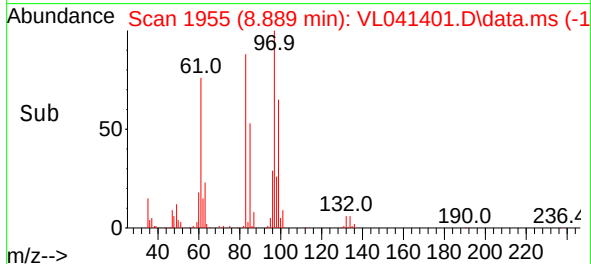
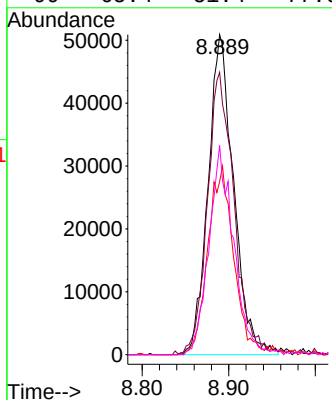
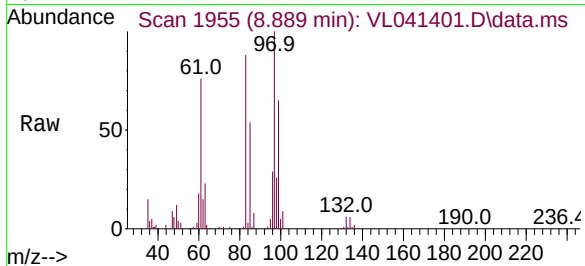


#47
1,1,2-Trichloroethane
Concen: 0.911 ppbv
RT: 8.889 min Scan# 1956
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 97 Resp: 104479

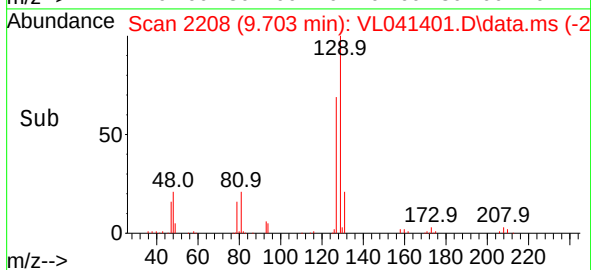
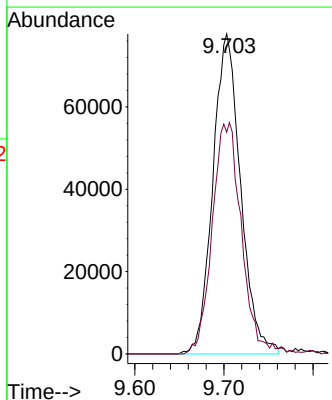
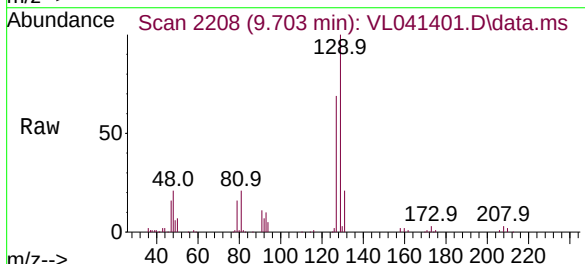
Ion	Ratio	Lower	Upper
97	100		
83	87.9	67.6	101.4
85	54.1	45.9	68.9
99	65.4	51.4	77.0

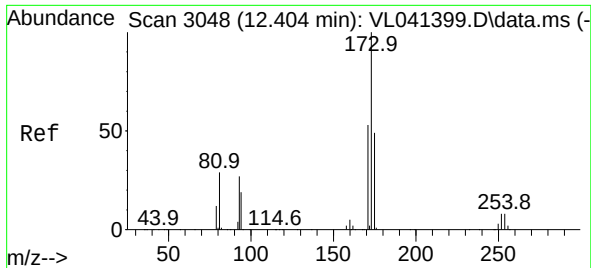


#48
Dibromochloromethane
Concen: 0.913 ppbv
RT: 9.703 min Scan# 2208
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 129 Resp: 168168

Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.3	117.8





#49

Bromoform

Concen: 0.914 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

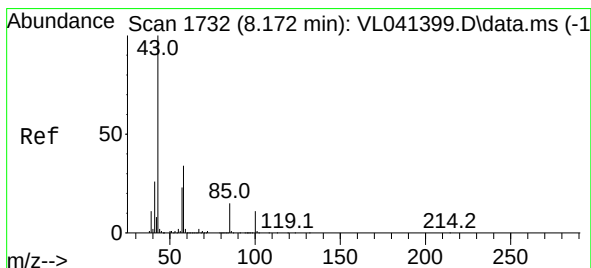
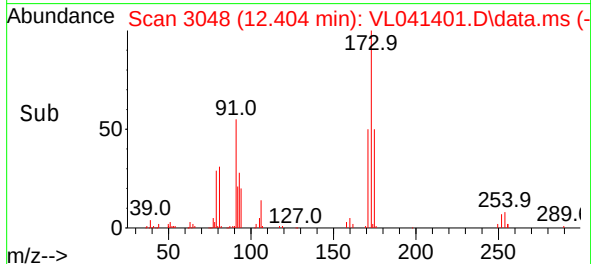
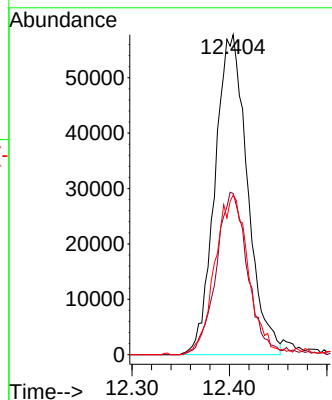
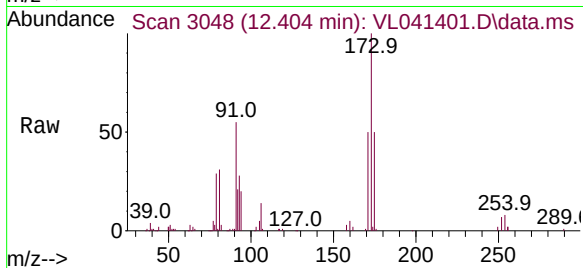
Tgt Ion:173 Resp: 133988

Ion Ratio Lower Upper

173 100

175 50.1 39.9 59.9

171 52.8 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 0.912 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.010 min

Lab File: VL041401.D

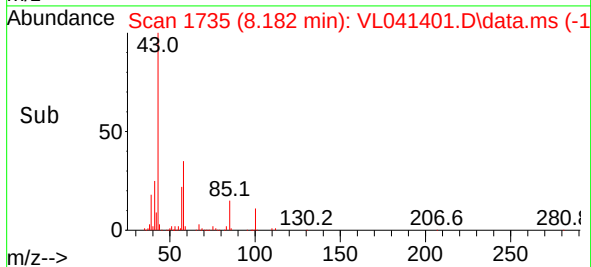
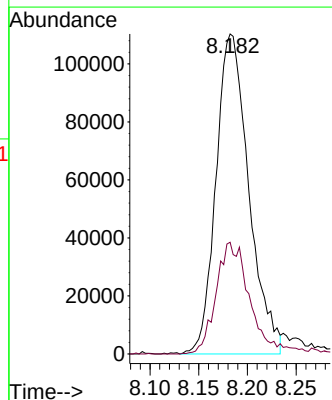
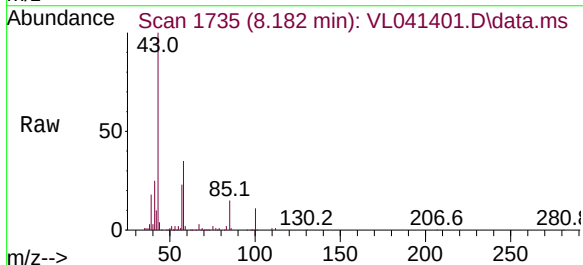
Acq: 25 Jul 2024 15:19

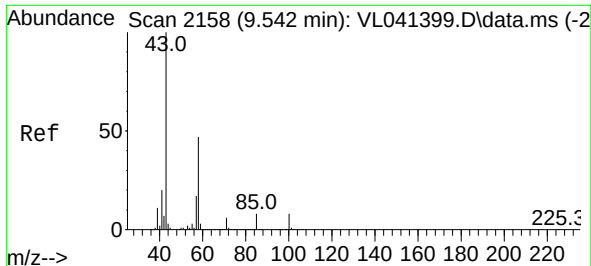
Tgt Ion: 43 Resp: 258275

Ion Ratio Lower Upper

43 100

58 37.2 27.9 41.9

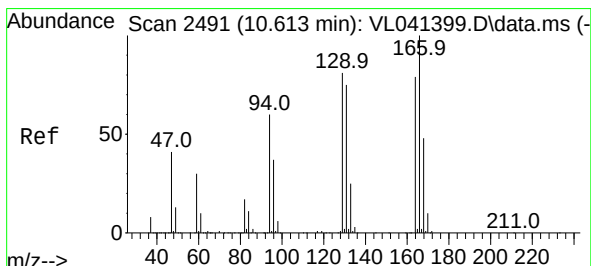
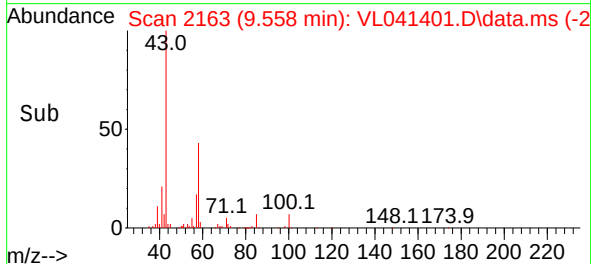
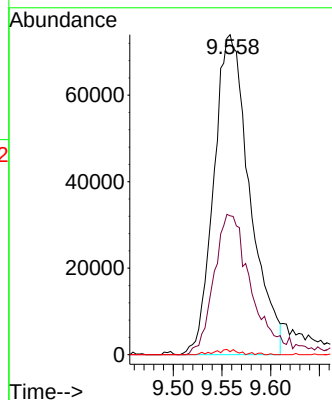
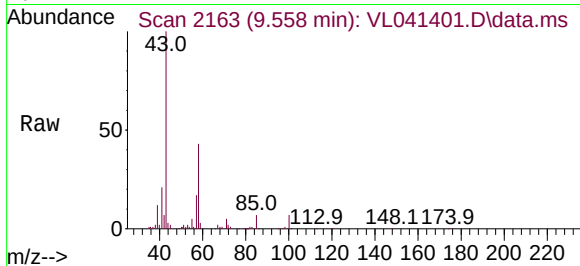




#51
2-Hexanone
Concen: 0.944 ppbv
RT: 9.558 min Scan# 2158
Delta R.T. 0.016 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

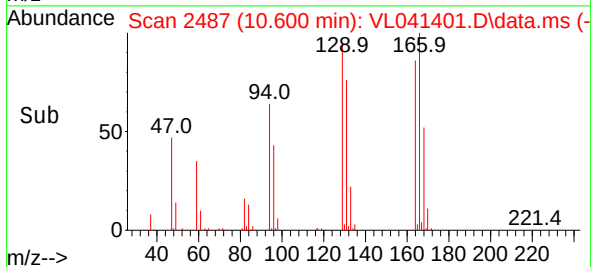
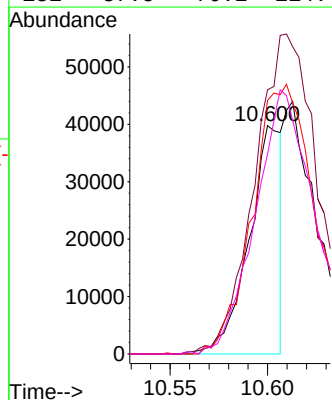
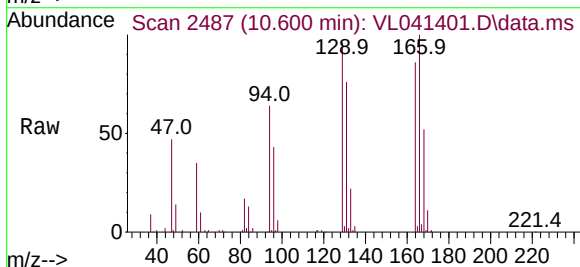
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

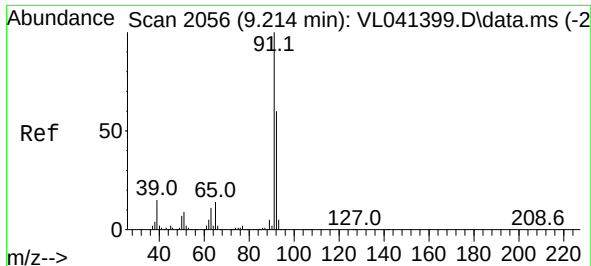
Tgt Ion: 43 Resp: 190138
Ion Ratio Lower Upper
43 100
58 47.9 38.2 57.2
98 1.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.409 ppbv
RT: 10.600 min Scan# 2487
Delta R.T. -0.013 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 164 Resp: 45461
Ion Ratio Lower Upper
164 100
166 115.7 101.1 151.7
129 111.1 81.7 122.5
131 87.5 76.2 114.4





#53

Toluene

Concen: 0.912 ppbv

RT: 9.211 min Scan# 2056

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

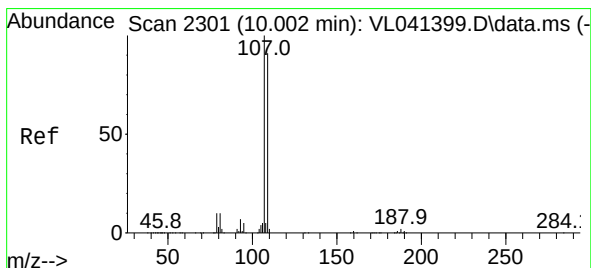
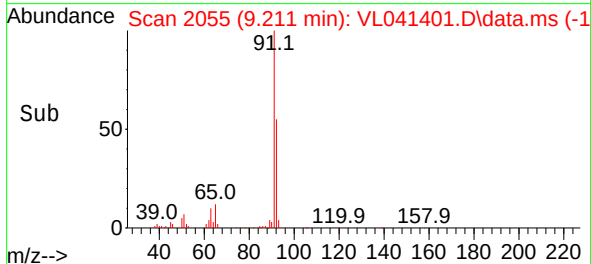
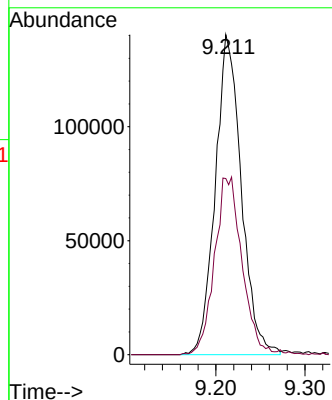
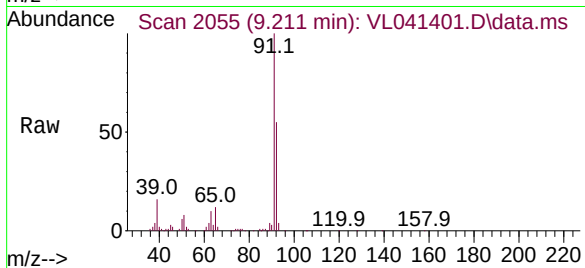
VSTDIC001

Tgt Ion: 91 Resp: 284562

Ion Ratio Lower Upper

91 100

92 59.1 48.7 73.1



#54

1,2-Dibromoethane

Concen: 0.999 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. 0.003 min

Lab File: VL041401.D

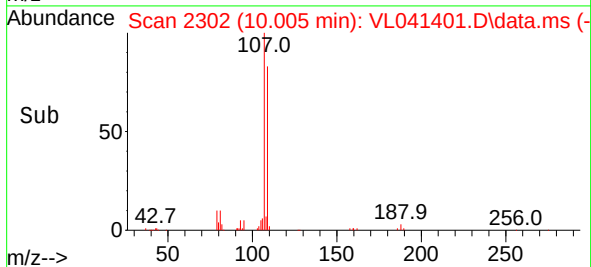
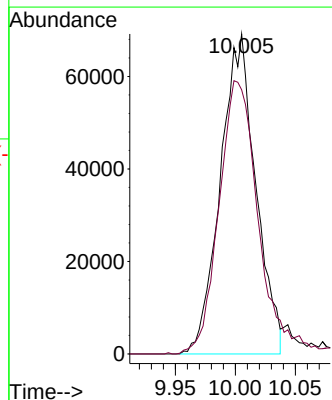
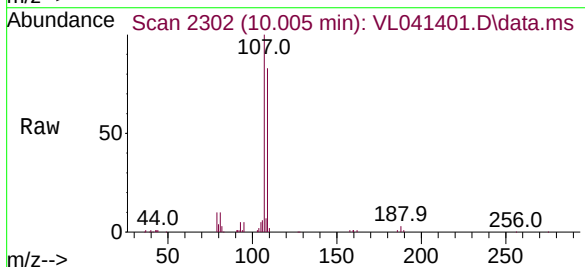
Acq: 25 Jul 2024 15:19

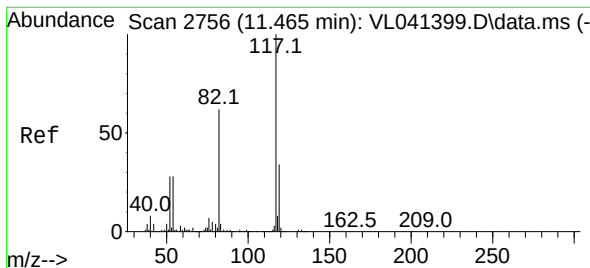
Tgt Ion: 107 Resp: 141838

Ion Ratio Lower Upper

107 100

109 82.3 72.7 109.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.459 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

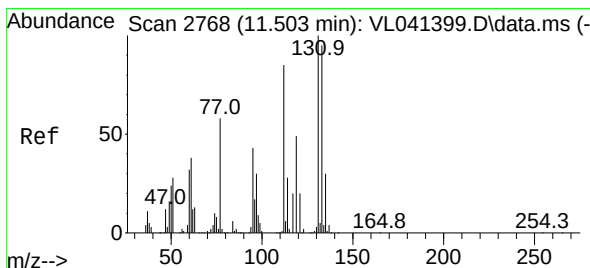
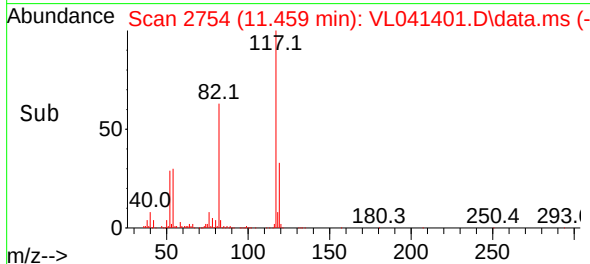
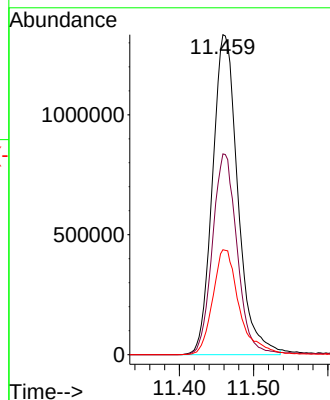
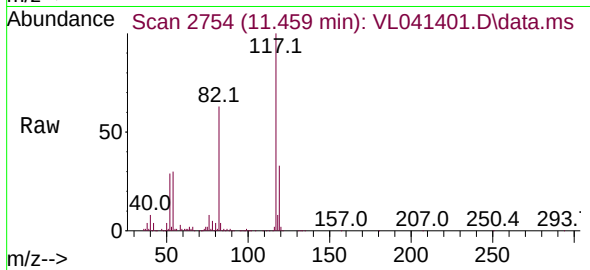
Tgt Ion:117 Resp: 3161618

Ion Ratio Lower Upper

117 100

82 62.0 51.0 76.6

119 34.7 45.2 67.8#



#56

1,1,1,2-Tetrachloroethane

Concen: 0.891 ppbv

RT: 11.504 min Scan# 2768

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

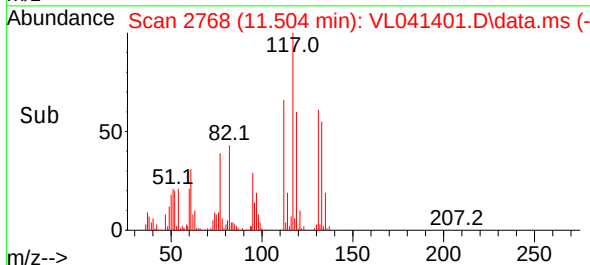
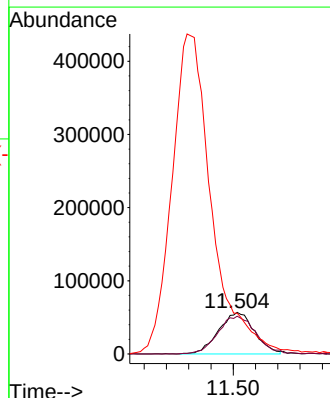
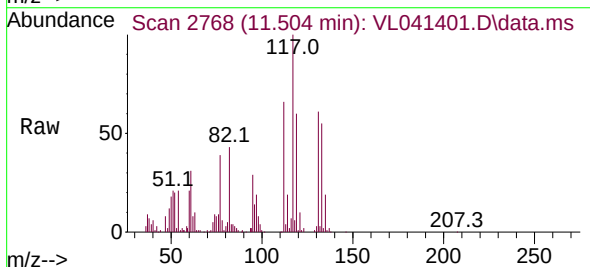
Tgt Ion:131 Resp: 126753

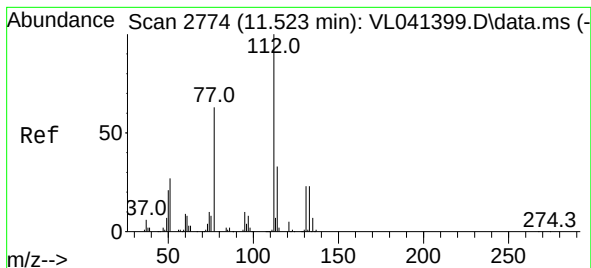
Ion Ratio Lower Upper

131 100

133 97.4 77.0 115.4

119 860.6 121.5 182.3#





#57

Chlorobenzene

Concen: 0.971 ppbv

RT: 11.520 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

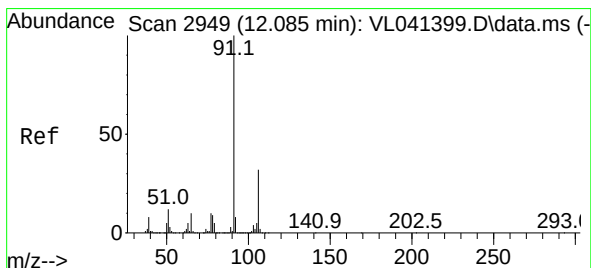
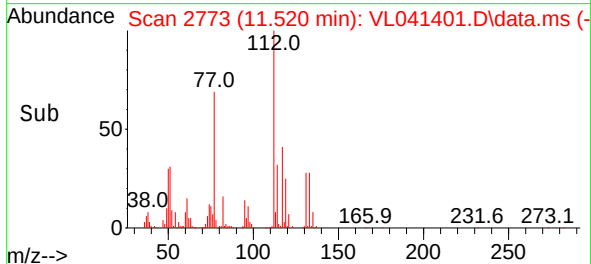
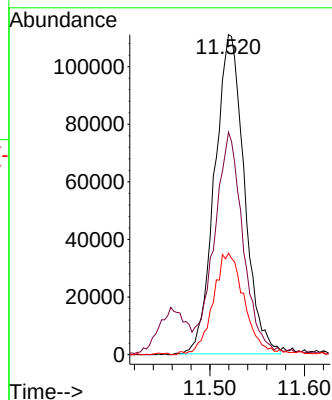
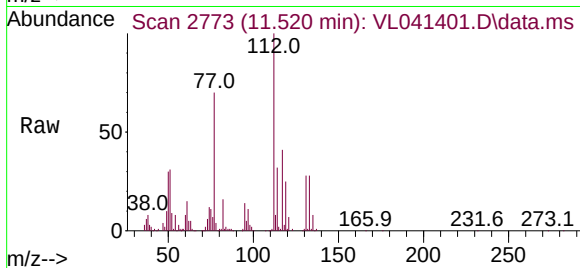
Tgt Ion:112 Resp: 240871

Ion Ratio Lower Upper

112 100

77 68.5 51.1 76.7

114 30.9 29.5 36.1



#58

Ethyl Benzene

Concen: 0.919 ppbv

RT: 12.086 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL041401.D

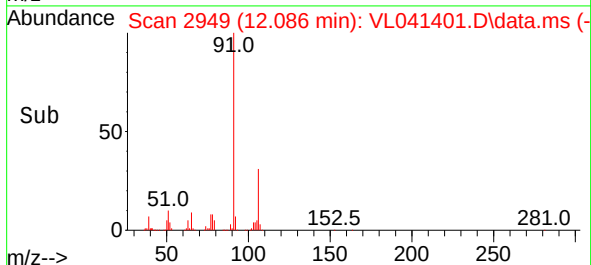
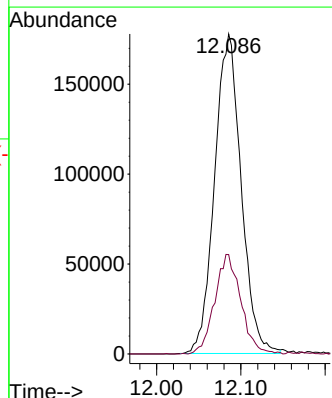
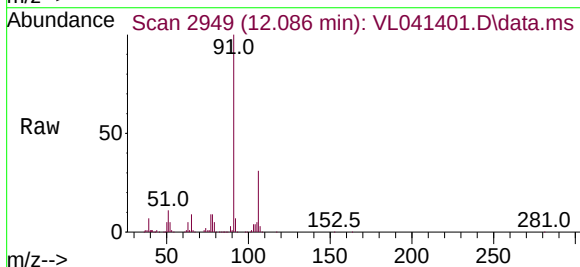
Acq: 25 Jul 2024 15:19

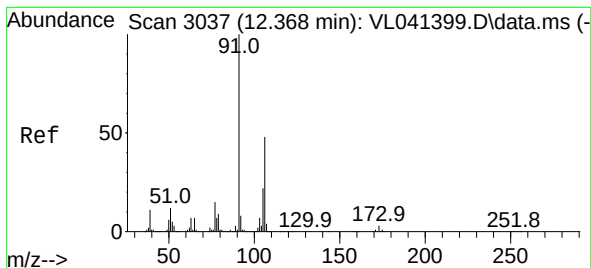
Tgt Ion: 91 Resp: 388676

Ion Ratio Lower Upper

91 100

106 31.1 25.8 38.8

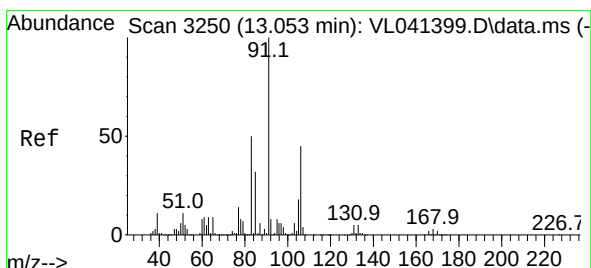
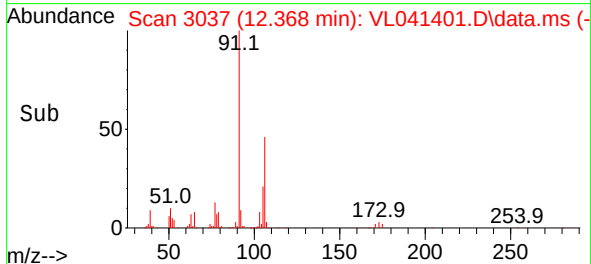
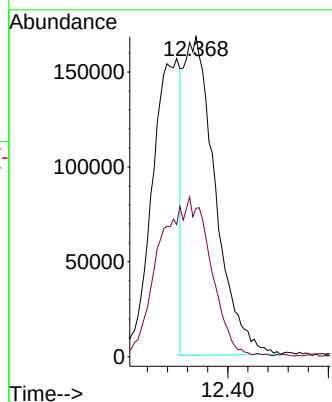
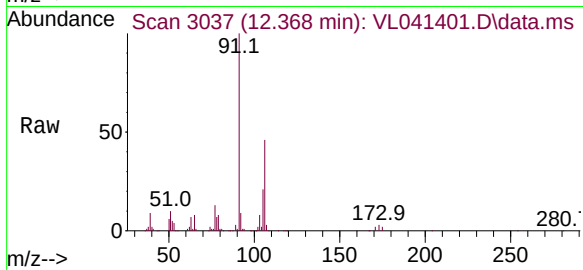




#59
m/p-Xylene
Concen: 1.004 ppbv
RT: 12.368 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

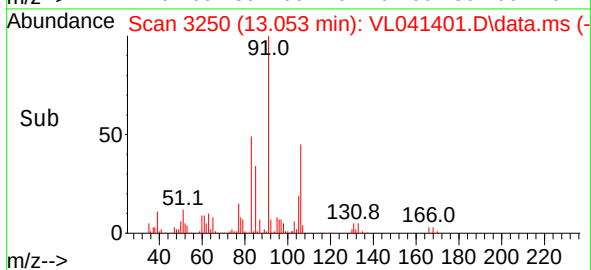
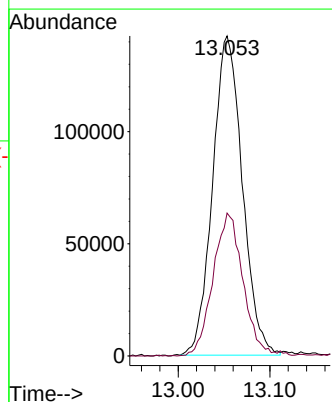
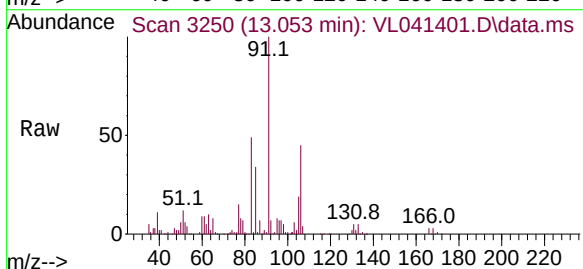
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

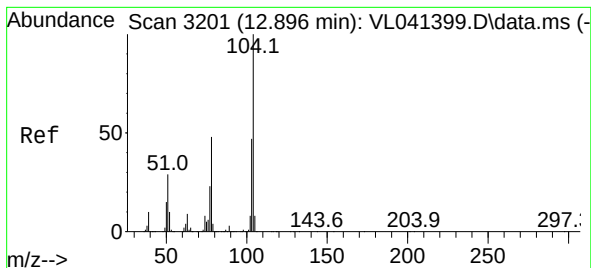
Tgt Ion: 91 Resp: 367584
Ion Ratio Lower Upper
91 100
106 82.7 36.3 54.5#



#60
o-Xylene
Concen: 0.929 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 91 Resp: 320813
Ion Ratio Lower Upper
91 100
106 45.8 23.1 69.3





#61

Styrene

Concen: 0.798 ppbv

RT: 12.896 min Scan# 3201

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

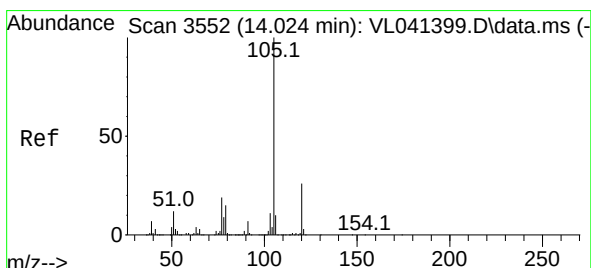
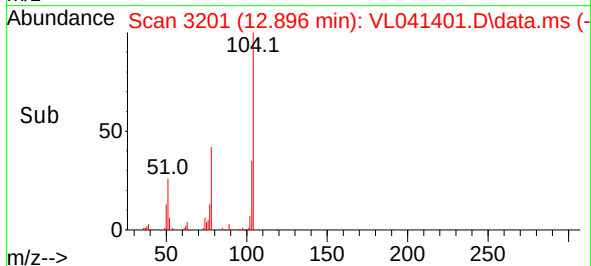
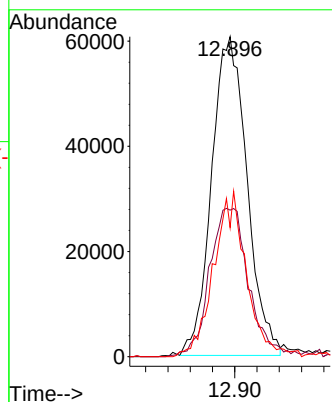
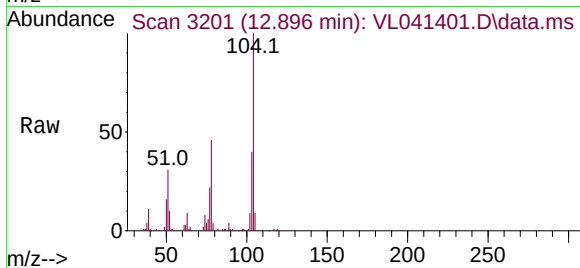
Tgt Ion:104 Resp: 133924

Ion Ratio Lower Upper

104 100

78 51.5 40.8 61.2

103 48.5 38.2 57.4



#62

Isopropylbenzene

Concen: 0.920 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. 0.000 min

Lab File: VL041401.D

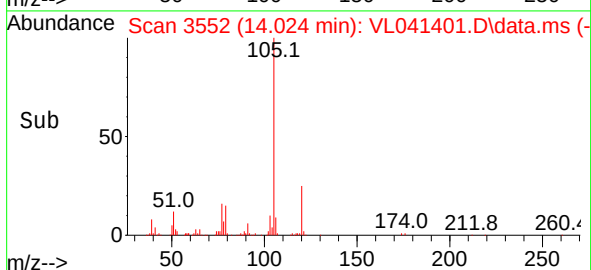
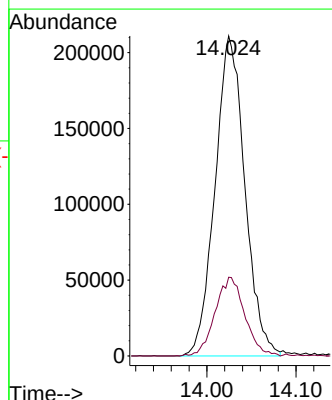
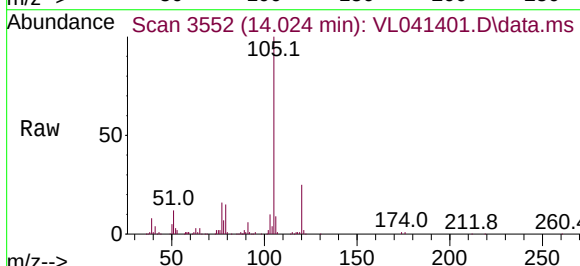
Acq: 25 Jul 2024 15:19

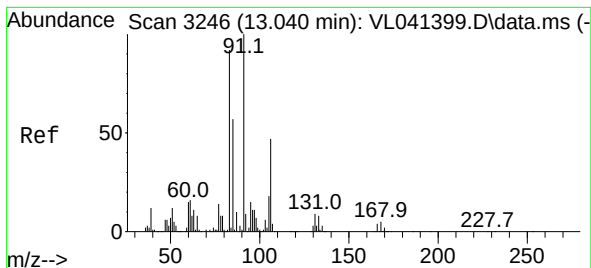
Tgt Ion:105 Resp: 490658

Ion Ratio Lower Upper

105 100

120 24.7 21.0 31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 0.745 ppbv

RT: 13.047 min Scan# 31

Delta R.T. 0.007 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

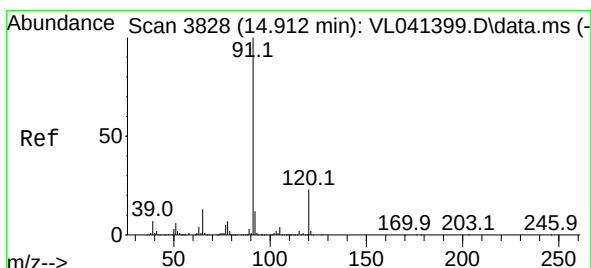
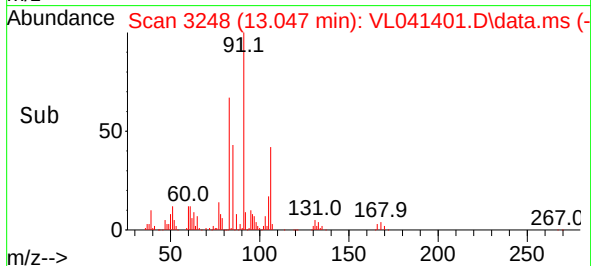
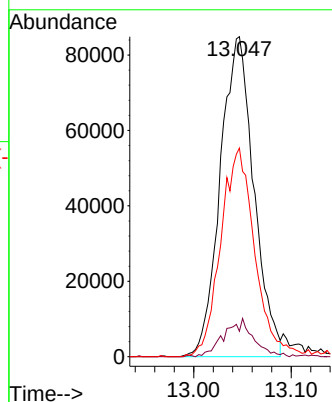
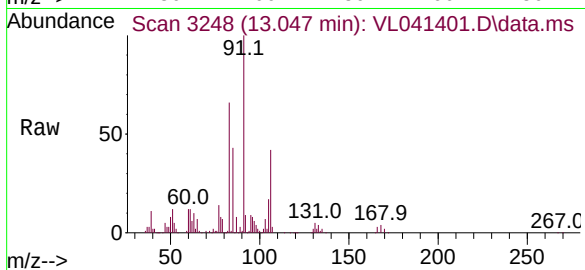
Tgt Ion: 83 Resp: 202749

Ion Ratio Lower Upper

83 100

131 10.7 4.8 14.4

85 66.4 32.6 98.0



#64

n-propylbenzene

Concen: 0.891 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. 0.003 min

Lab File: VL041401.D

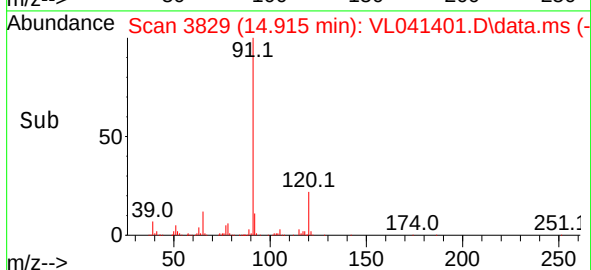
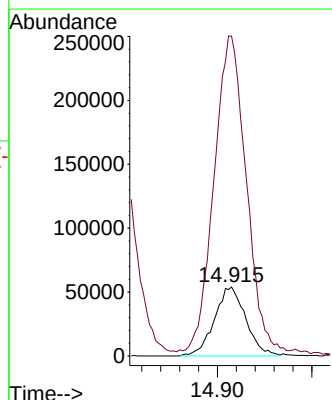
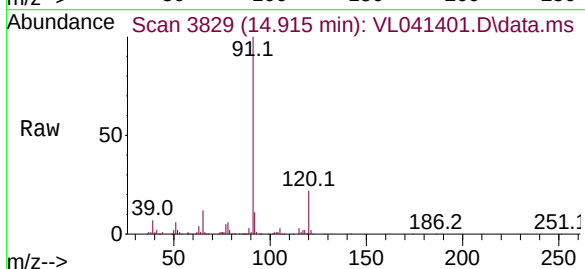
Acq: 25 Jul 2024 15:19

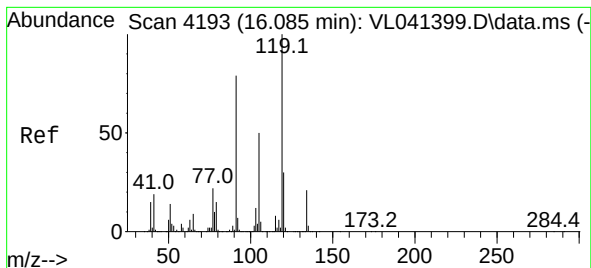
Tgt Ion:120 Resp: 124102

Ion Ratio Lower Upper

120 100

91 494.5 361.4 542.0

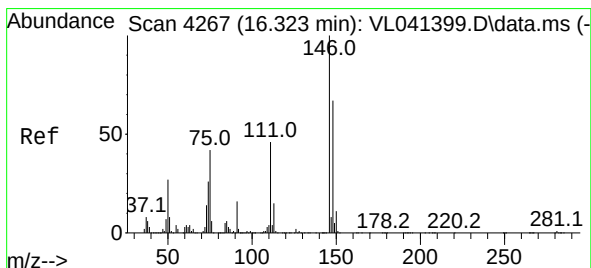
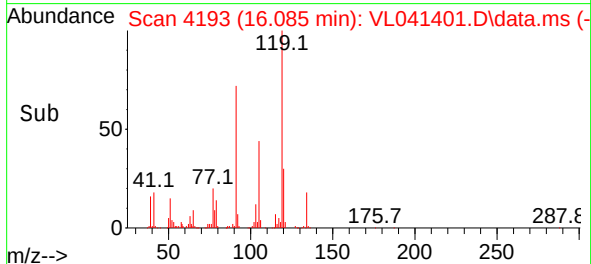
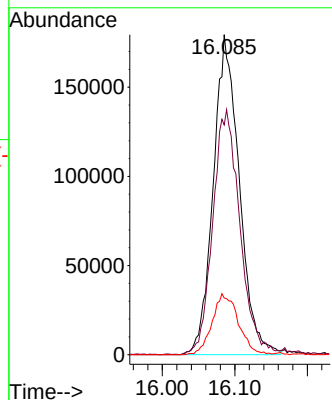
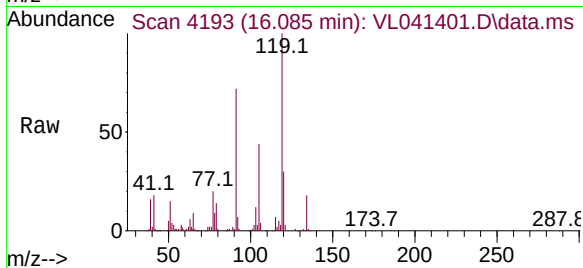




#65
tert-Butylbenzene
Concen: 0.940 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

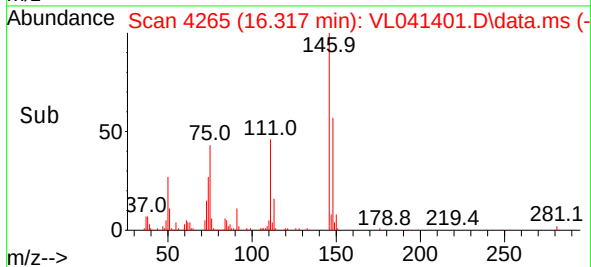
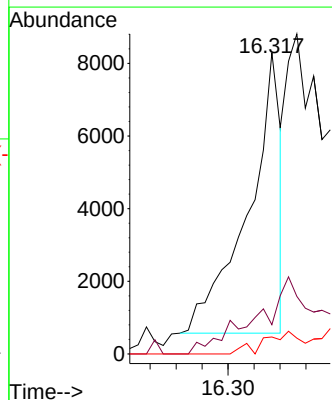
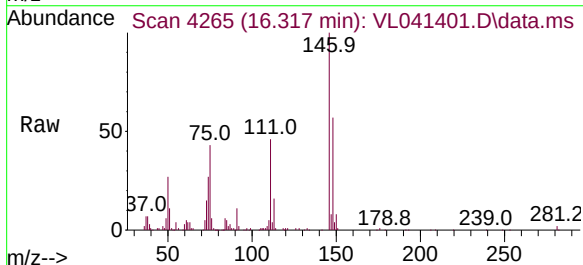
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

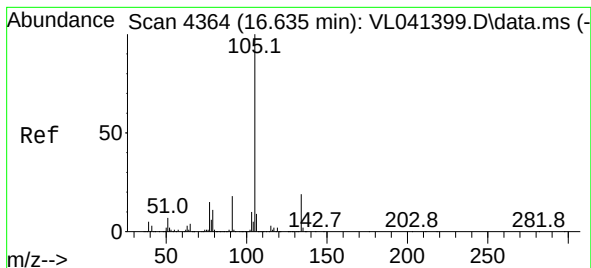
Tgt Ion:119 Resp: 446299
Ion Ratio Lower Upper
119 100
91 80.7 64.2 96.2
134 19.4 15.7 23.5



#66
Benzyl Chloride
Concen: 0.215 ppbv
RT: 16.317 min Scan# 4265
Delta R.T. -0.006 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion: 91 Resp: 6709
Ion Ratio Lower Upper
91 100
126 0.0 13.8 20.8#
128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.913 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

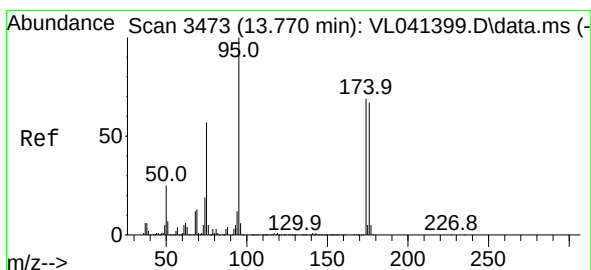
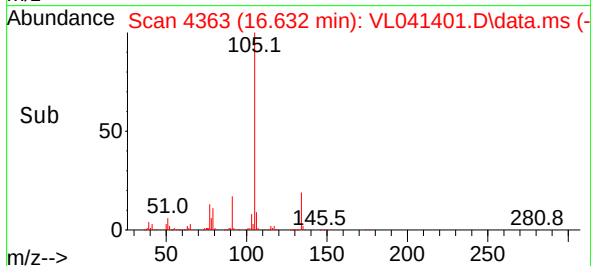
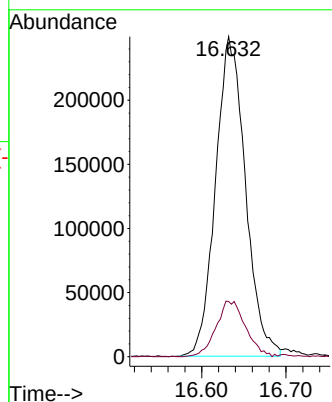
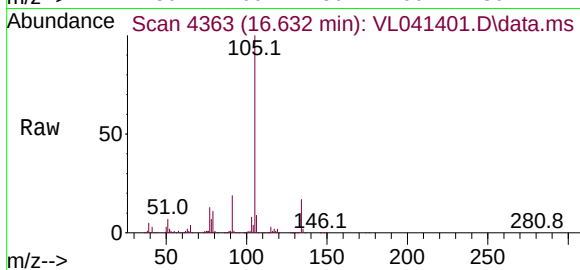
VSTDIC001

Tgt Ion:105 Resp: 613358

Ion Ratio Lower Upper

105 100

134 17.7 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.191 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

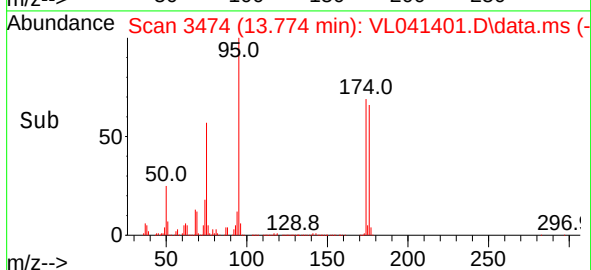
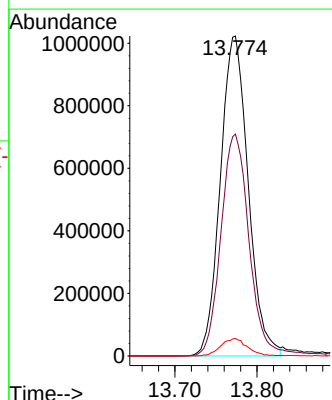
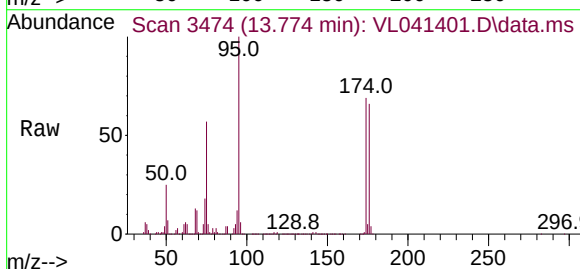
Tgt Ion: 95 Resp: 2414921

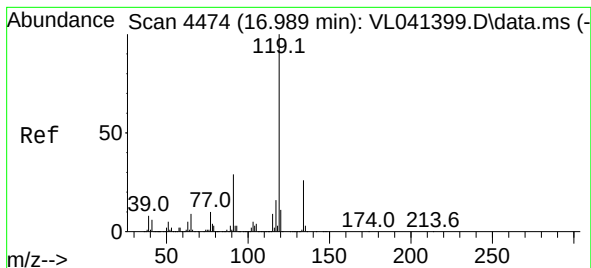
Ion Ratio Lower Upper

95 100

174 71.1 56.3 84.5

175 5.4 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.921 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

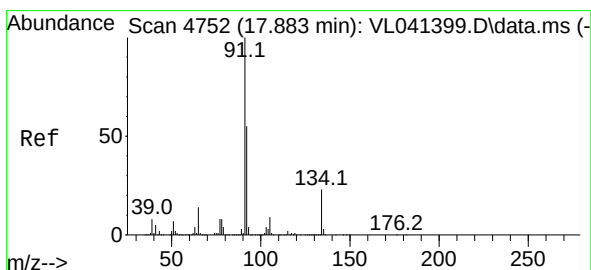
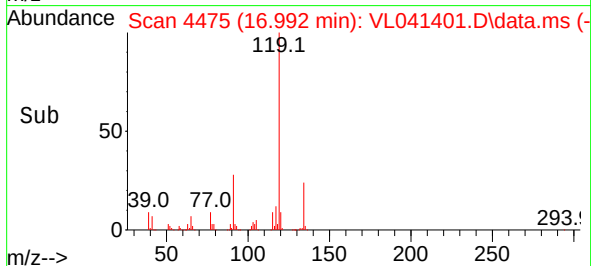
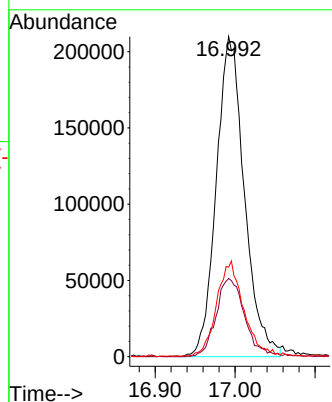
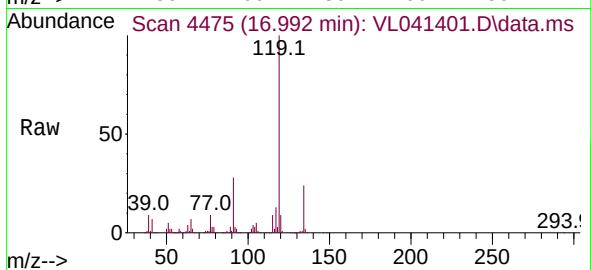
Tgt Ion:119 Resp: 511080

Ion Ratio Lower Upper

119 100

134 25.1 20.5 30.7

91 29.0 23.2 34.8



#70

n-Butylbenzene

Concen: 0.904 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

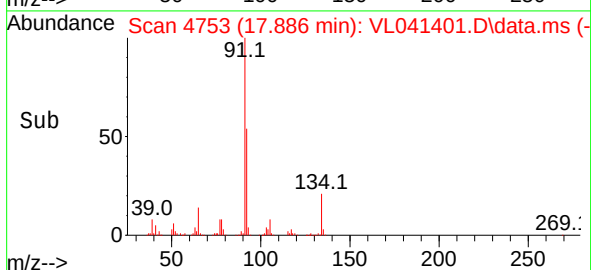
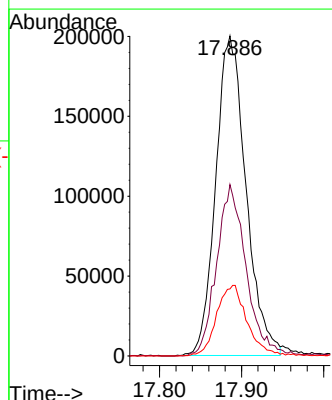
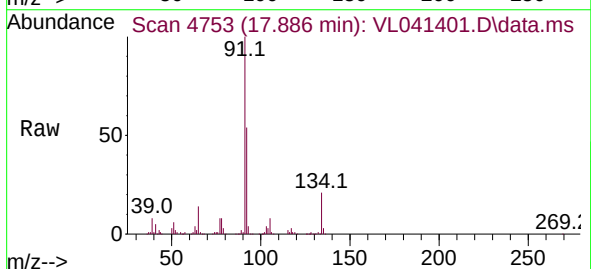
Tgt Ion: 91 Resp: 512783

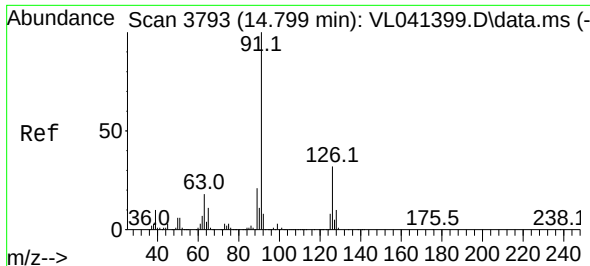
Ion Ratio Lower Upper

91 100

92 52.8 43.2 64.8

134 22.4 18.5 27.7

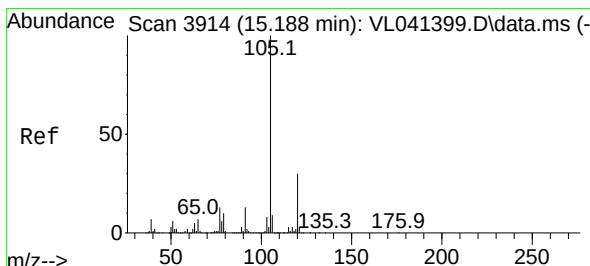
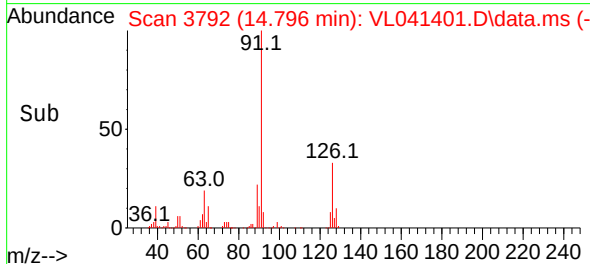
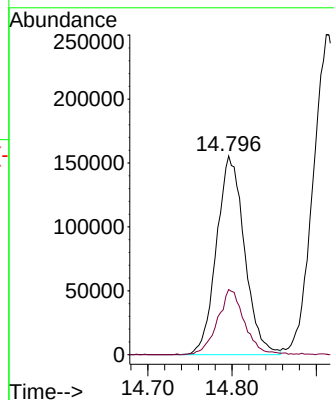
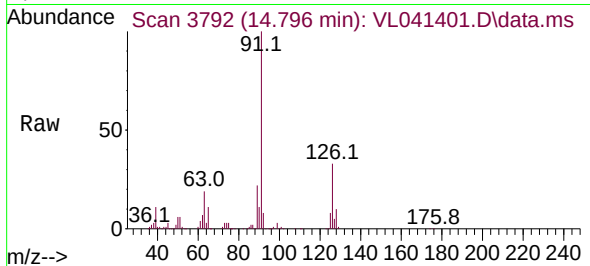




#71
2-Chlorotoluene
Concen: 0.904 ppbv
RT: 14.796 min Scan# 3793
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

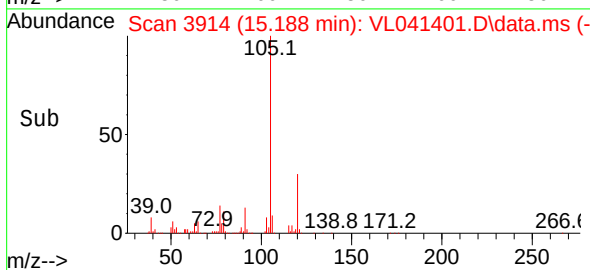
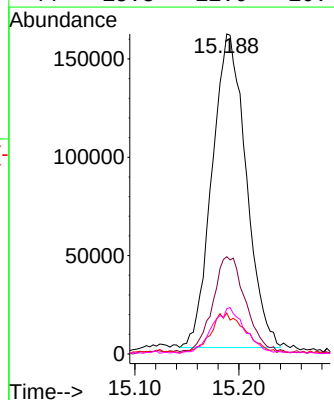
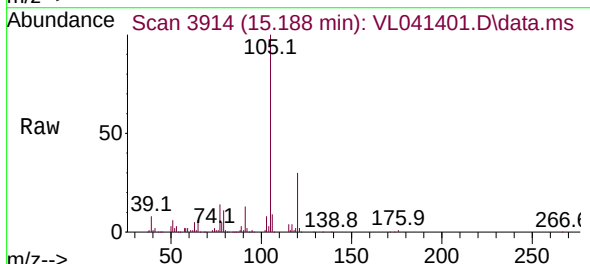
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

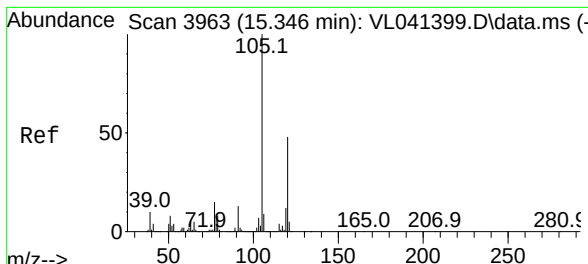
Tgt Ion: 91 Resp: 358079
Ion Ratio Lower Upper
91 100
126 31.9 12.7 50.9



#72
4-Ethyltoluene
Concen: 0.878 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion:105 Resp: 361470
Ion Ratio Lower Upper
105 100
120 32.1 24.2 36.2
91 13.0 10.4 15.6
77 15.3 11.0 16.4

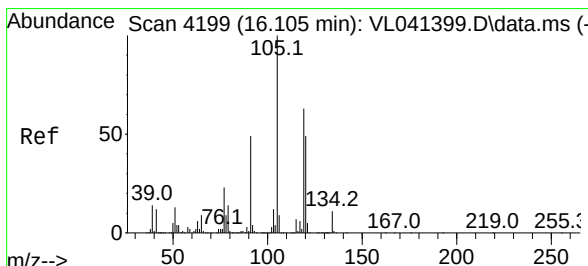
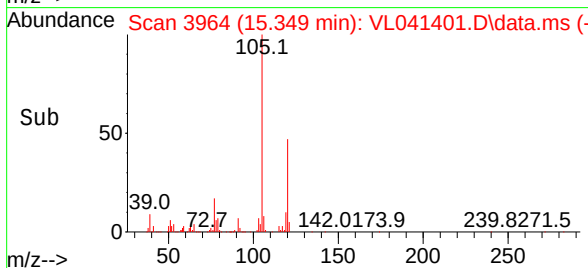
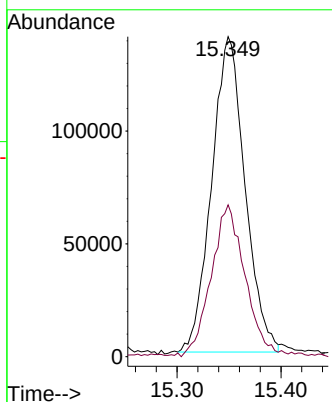
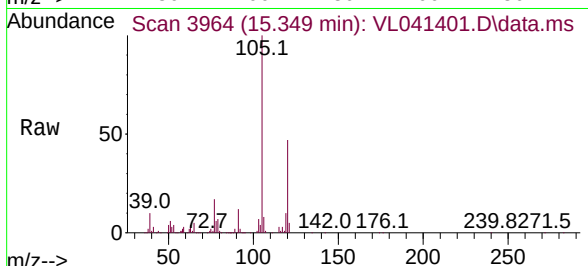




#73
 1,3,5-Trimethylbenzene
 Concen: 0.886 ppbv
 RT: 15.349 min Scan# 3964
 Delta R.T. 0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

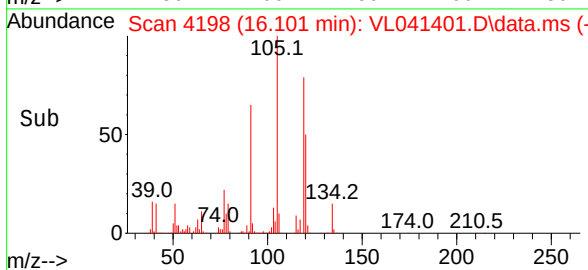
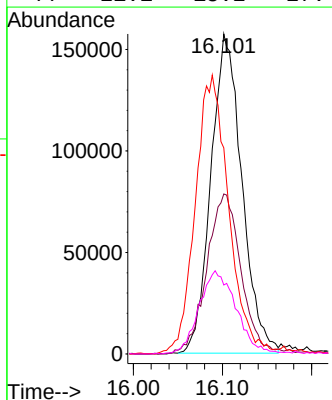
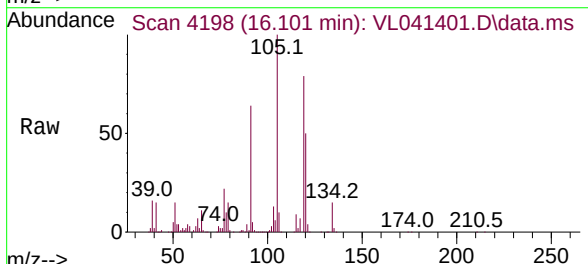
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

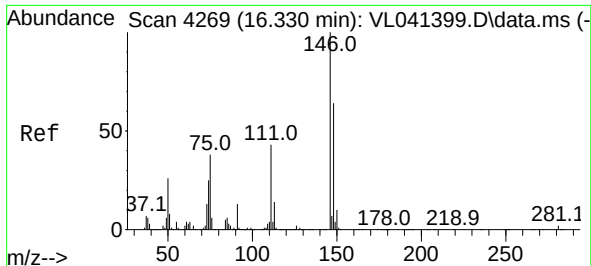
Tgt Ion:105 Resp: 312184
 Ion Ratio Lower Upper
 105 100
 120 47.0 38.6 57.8



#74
 1,2,4-Trimethylbenzene
 Concen: 0.955 ppbv
 RT: 16.101 min Scan# 4198
 Delta R.T. -0.003 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

Tgt Ion:105 Resp: 379183
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.5 59.3
 91 63.1 39.8 59.8#
 77 21.1 18.2 27.4

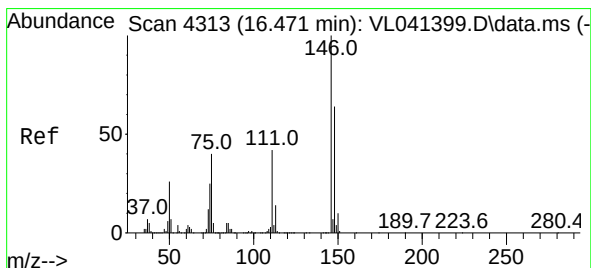
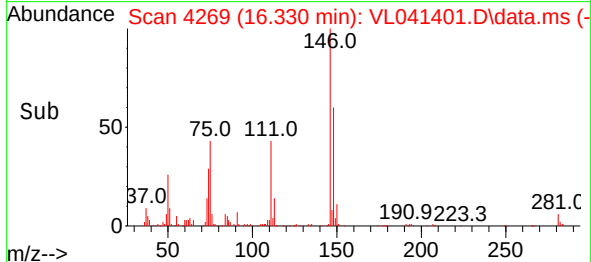
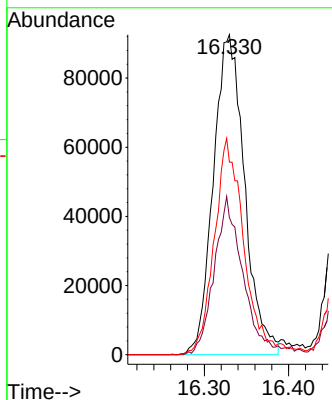
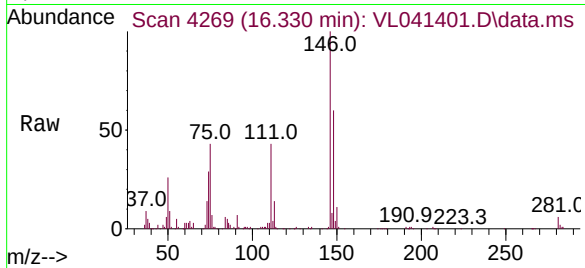




#75
1,3-Dichlorobenzene
Concen: 1.008 ppbv
RT: 16.330 min Scan# 4269
Delta R.T. 0.000 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

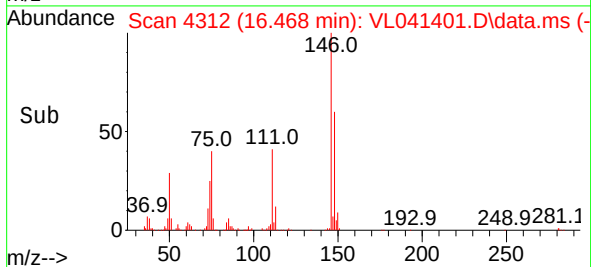
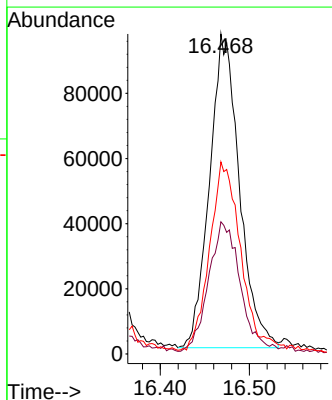
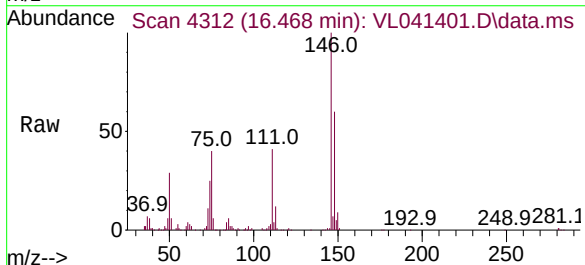
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

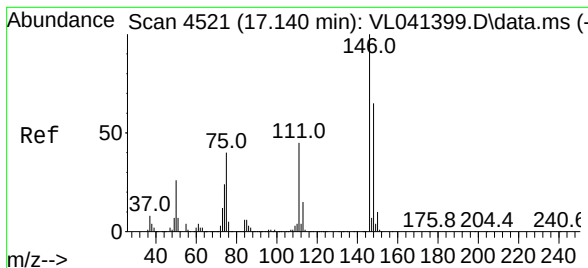
Tgt Ion:146 Resp: 237337
Ion Ratio Lower Upper
146 100
111 46.3 22.6 67.8
148 64.9 32.3 96.8



#76
1,4-Dichlorobenzene
Concen: 0.956 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. -0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

Tgt Ion:146 Resp: 224373
Ion Ratio Lower Upper
146 100
111 47.5 22.4 67.0
148 66.0 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 0.963 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. 0.000 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

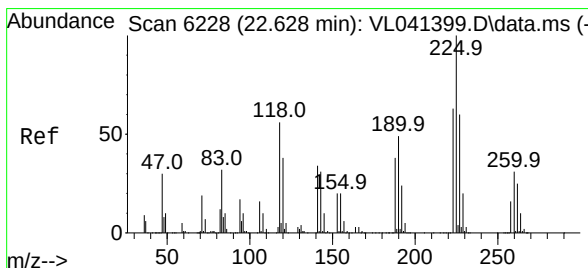
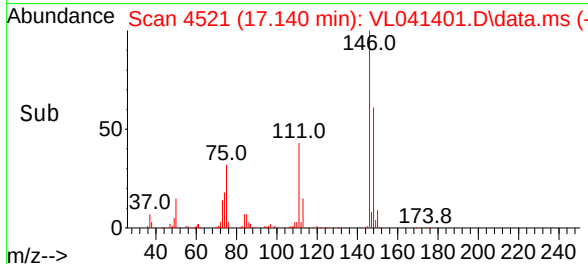
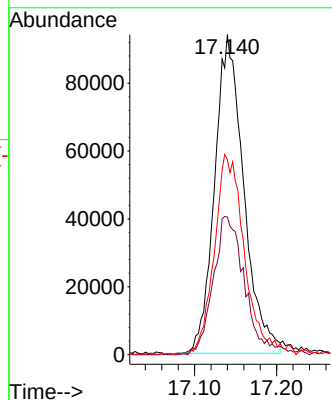
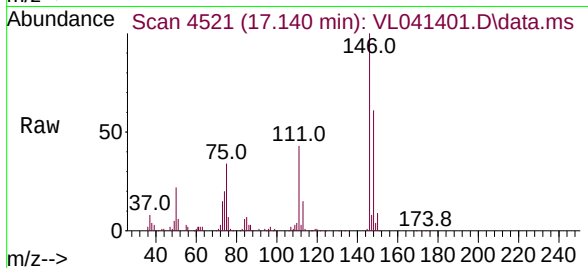
Tgt Ion:146 Resp: 231111

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.0

148 67.0 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 1.232 ppbv

RT: 22.632 min Scan# 6229

Delta R.T. 0.003 min

Lab File: VL041401.D

Acq: 25 Jul 2024 15:19

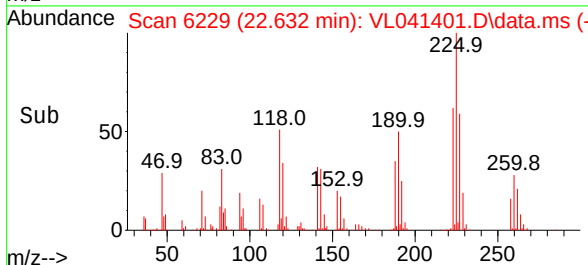
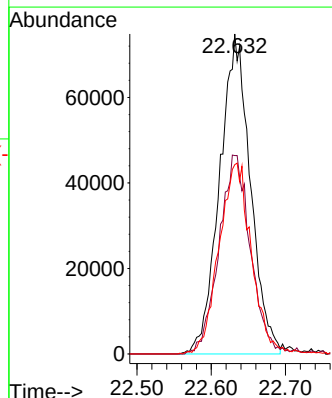
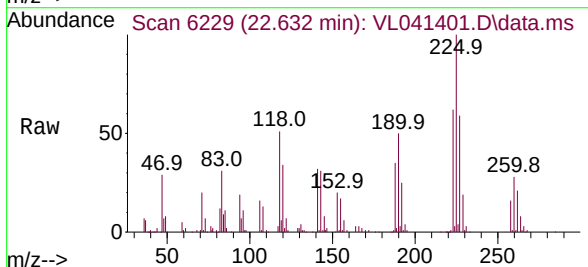
Tgt Ion:225 Resp: 215079

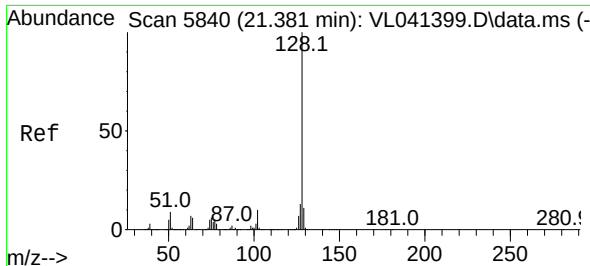
Ion Ratio Lower Upper

225 100

223 64.5 50.6 76.0

227 63.0 50.8 76.2

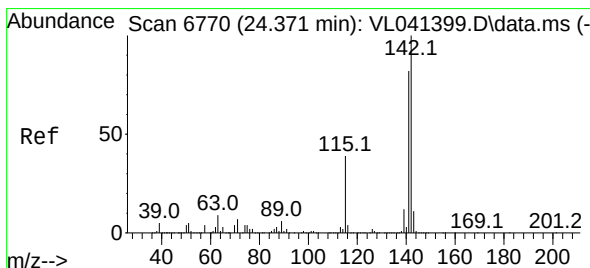
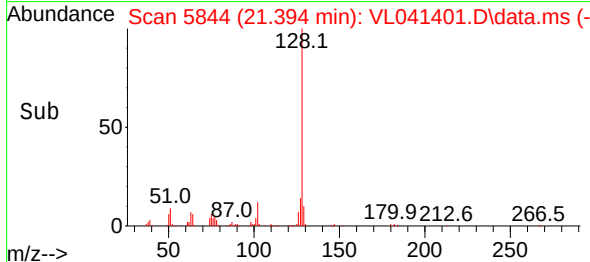
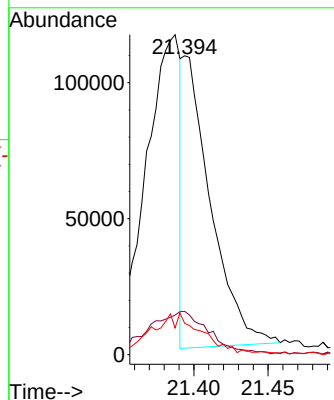
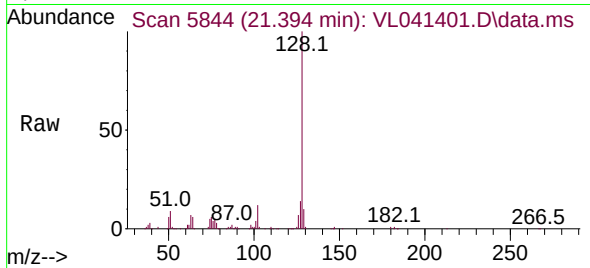




#79
Naphthalene
Concen: 0.655 ppbv
RT: 21.394 min Scan# 5844
Delta R.T. 0.013 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

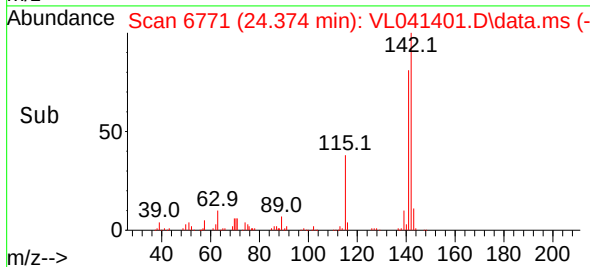
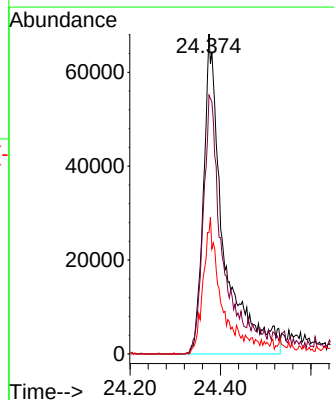
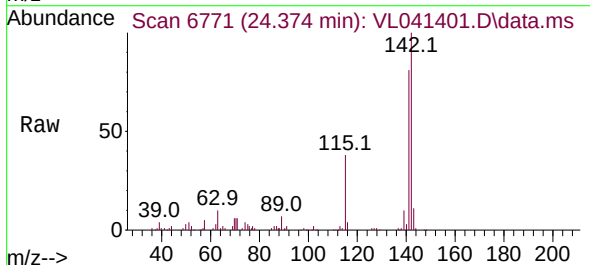
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

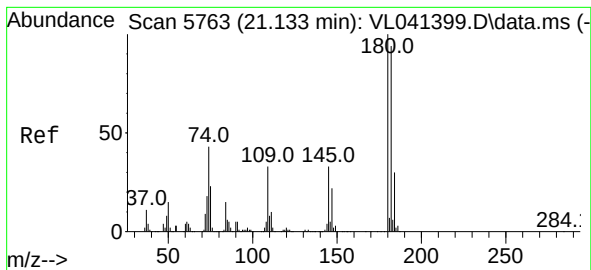
Tgt Ion:128 Resp: 139813
Ion Ratio Lower Upper
128 100
127 14.5 10.3 15.5
129 10.6 9.0 13.4



#80
Naphthalene,2-methyl-
Concen: 375.304 ppbv
RT: 24.374 min Scan# 6771
Delta R.T. 0.003 min
Lab File: VL041401.D
Acq: 25 Jul 2024 15:19

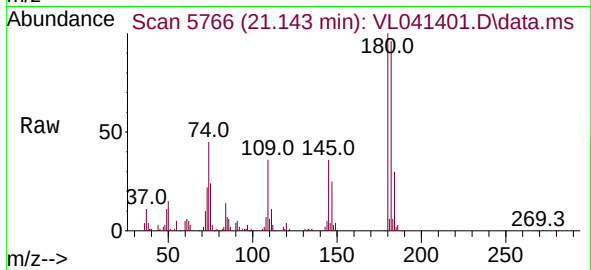
Tgt Ion:142 Resp: 210840
Ion Ratio Lower Upper
142 100
141 81.3 67.0 100.4
115 39.6 32.2 48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 1.452 ppbv
 RT: 21.143 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VL041401.D
 Acq: 25 Jul 2024 15:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001



Tgt Ion:180 Resp: 191623
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.7 115.1
 184 32.5 24.5 36.7

