

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041405.D
 Acq On : 25 Jul 2024 18:06
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 26 02:45:39 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	5.179	49	1211244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3327019	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3365868	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.770	95	2515088	9.970	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	2086477	10.095	ppbv	99
3) Chlorodifluoromethane	2.652	51	1914240	9.165	ppbv	100
4) Chloromethane	2.790	50	996482	12.485	ppbv	99
5) Vinyl Chloride	2.899	62	1038128	12.036	ppbv	98
6) Bromomethane	3.099	94	547488	20.067	ppbv	96
7) Chloroethane	3.176	64	360614	12.655	ppbv	95
8) Dichlorotetrafluoroethane	2.835	85	2399417	11.943	ppbv	99
9) Propene	2.671	41	899840	12.451	ppbv	98
10) Heptane	7.571	43	2169367	12.780	ppbv	99
11) Trichlorofluoromethane	3.542	101	2473823	12.296	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1802452	12.784	ppbv	99
13) Ethanol	3.221	45	51417	3.207	ppbv	86
14) Bromoethene	3.346	108	757933	13.400	ppbv	98
15) Acetone	3.446	43	1760479	11.005	ppbv	99
16) 1,3-Butadiene	2.964	39	1014052	13.319	ppbv	99
17) tert-Butyl alcohol	3.857	59	1836705	14.883	ppbv	99
18) 1,1-Dichloroethene	3.861	96	806522	13.011	ppbv	100
19) Isopropyl Alcohol	3.555	45	1143994	13.027	ppbv	100
20) Methylene Chloride	3.915	84	675282	11.634	ppbv	99
21) Allyl Chloride	3.980	41	1284615	13.313	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	809963	13.156	ppbv	99
23) Vinyl Acetate	4.613	43	1570687	9.960	ppbv	98
24) 1,1-Dichloroethane	4.545	63	1677304	12.269	ppbv	99
25) Ethyl Acetate	5.189	43	3804371	12.915	ppbv	100
26) Hexane	5.198	57	1615258	12.384	ppbv	98
27) Carbon Disulfide	4.105	76	2038049	12.842	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	986442	10.196	ppbv	100
29) Chloroform	5.263	83	2540539	12.624	ppbv	99
30) Cyclohexane	6.590	84	1411237	13.581	ppbv	96
31) cis-1,2-Dichloroethene	5.063	61	1628471	13.023	ppbv	100
32) 1,1,1-Trichloroethane	5.989	97	2522136	11.940	ppbv	100
34) 2-Butanone	4.771	43	2330483	13.274	ppbv	99
35) Carbon Tetrachloride	6.481	117	2695636	12.269	ppbv	98
36) Benzene	6.359	78	3438269	12.487	ppbv	100
37) 1,2-Dichloroethane	5.793	62	1975307	12.503	ppbv	100
38) Trichloroethene	7.282	130	1582683	13.195	ppbv	98
39) 1,2-Dichloropropane	7.063	63	1340584	12.599	ppbv	96
40) 1,4-Dioxane	7.269	88	505735	14.825	ppbv	80
41) Tetrahydrofuran	5.542	42	1399340	12.868	ppbv	100
42) Bromodichloromethane	7.240	83	2836611	12.832	ppbv	99
43) Methyl Methacrylate	7.465	69	1415809	13.686	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	5650271	12.075	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	1508473	23.041	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
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 Acq On : 25 Jul 2024 18:06
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 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

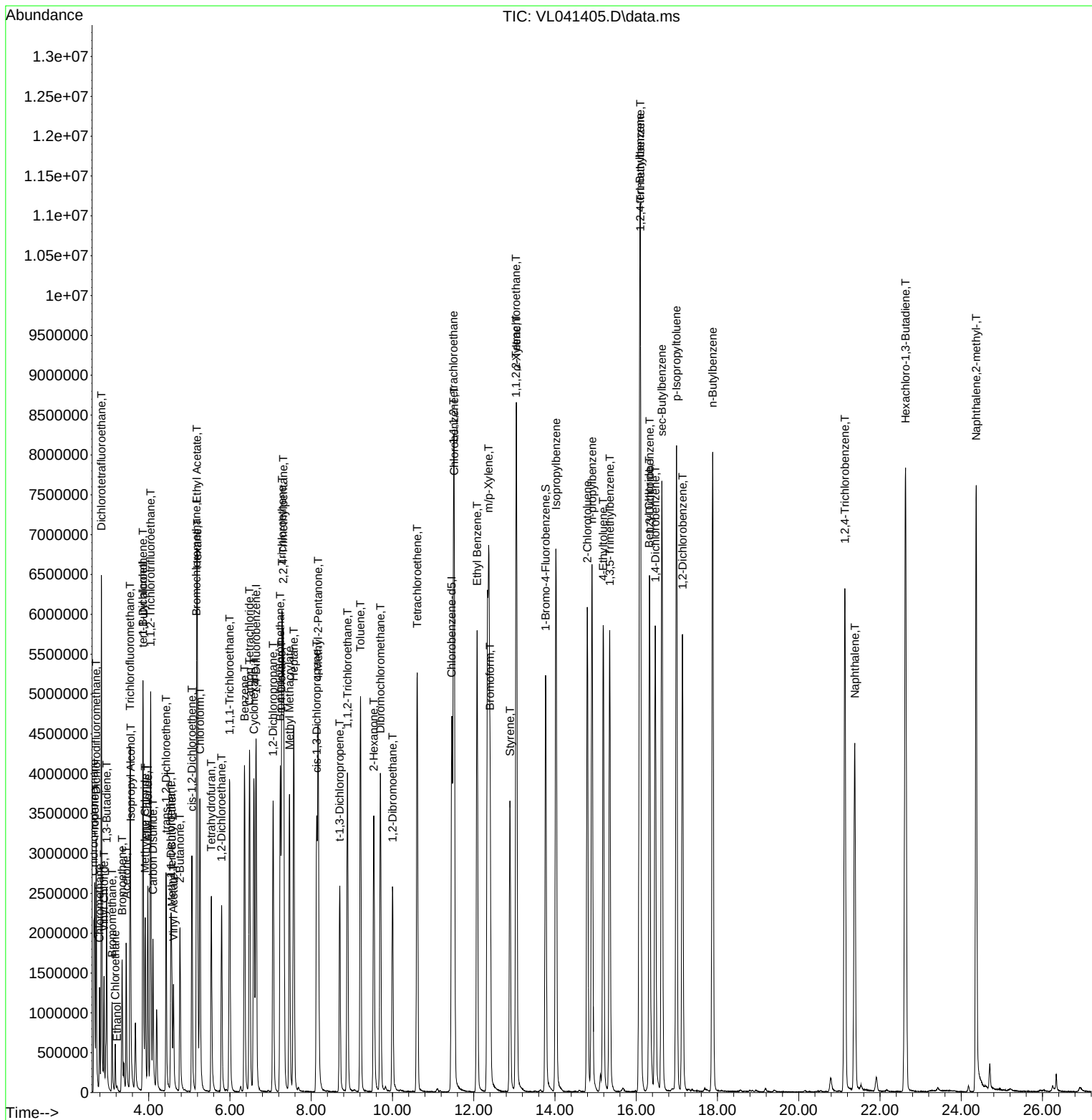
Instrument :
 MSVOA_L
 ClientSampleId :

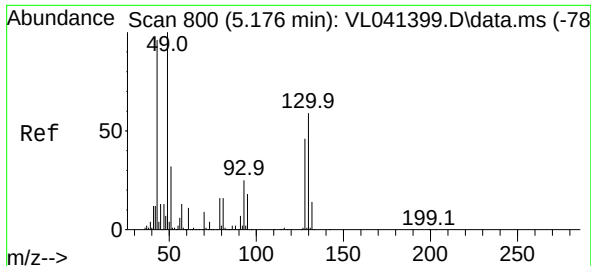
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1956016	22.219	ppbv	96
47) 1,1,2-Trichloroethane	8.893	97	1451859	12.721	ppbv	96
48) Dibromochloromethane	9.706	129	2512083	13.707	ppbv	100
49) Bromoform	12.404	173	2210280	15.143	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	3807510	13.505	ppbv	99
51) 2-Hexanone	9.542	43	3193628	15.936	ppbv	100
52) Tetrachloroethene	10.610	164	1349134	12.202	ppbv	98
53) Toluene	9.214	91	4102245	13.210	ppbv	99
54) 1,2-Dibromoethane	10.002	107	2140365	15.154	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.503	131	1780102	11.753	ppbv #	58
57) Chlorobenzene	11.523	112	3158639	11.963	ppbv	98
58) Ethyl Benzene	12.082	91	5512808	12.242	ppbv	99
59) m/p-Xylene	12.365	91	4697570	12.054	ppbv #	30
60) o-Xylene	13.053	91	4441698	12.076	ppbv	100
61) Styrene	12.892	104	2297760	12.864	ppbv	99
62) Isopropylbenzene	14.027	105	6413793	11.295	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	2691069	9.287	ppbv	99
64) n-propylbenzene	14.915	120	1752978	11.826	ppbv	100
65) tert-Butylbenzene	16.088	119	5746630	11.366	ppbv	99
66) Benzyl Chloride	16.323	91	487926	14.686	ppbv	99
67) sec-Butylbenzene	16.632	105	8009840	11.201	ppbv	98
69) p-Isopropyltoluene	16.992	119	6796381	11.508	ppbv	99
70) n-Butylbenzene	17.883	91	6996243	11.589	ppbv	98
71) 2-Chlorotoluene	14.796	91	4875167	11.557	ppbv	98
72) 4-Ethyltoluene	15.188	105	5320289	12.144	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	4587750	12.234	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	5066348	11.990	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	3202871	12.778	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	3142958	12.585	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	3101661	12.137	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	2444092	13.150	ppbv	99
79) Naphthalene	21.381	128	5532989	24.347	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	5230189	8744.993	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	2891669	20.588	ppbv	99

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

Quant Time: Jul 26 02:45:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration

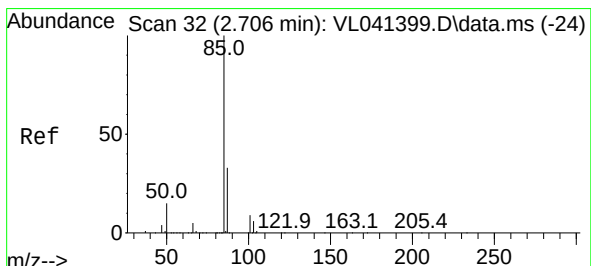
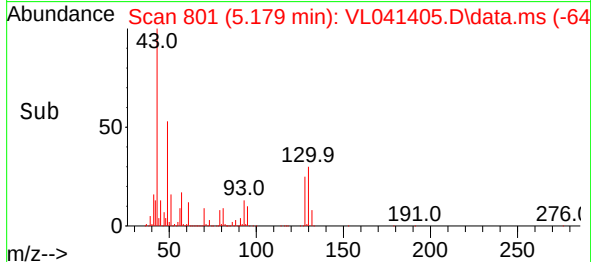
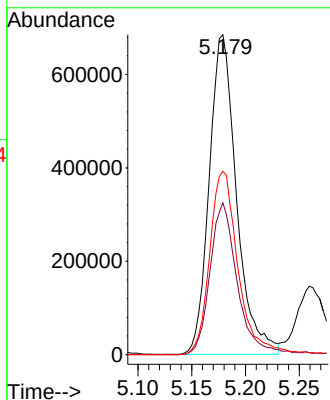
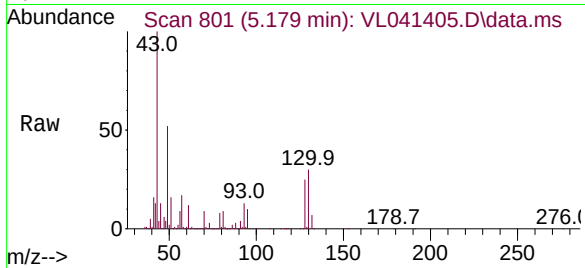




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

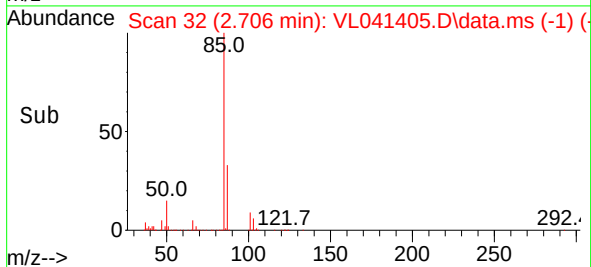
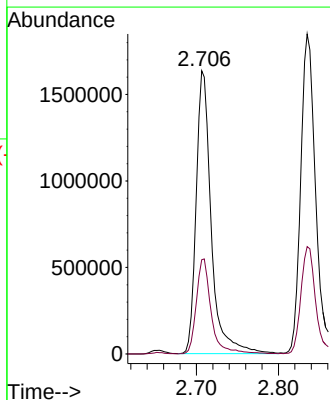
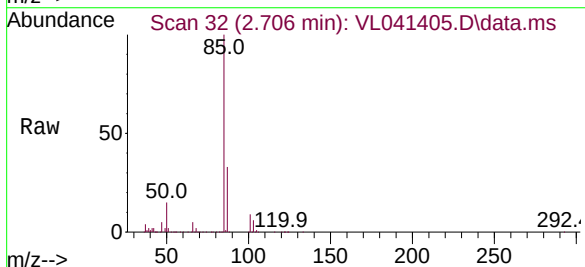
Instrument :
 MSVOA_L
 ClientSampleId :

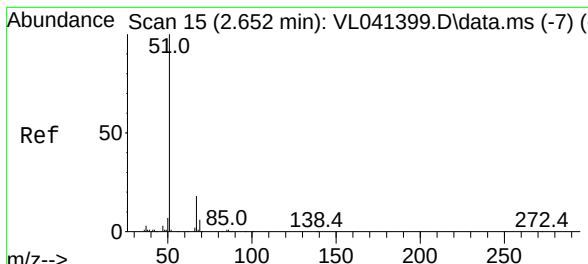
Tgt Ion: 49 Resp: 1211244
 Ion Ratio Lower Upper
 49 100
 128 48.2 23.8 71.4
 130 60.4 30.8 92.4



#2
 Dichlorodifluoromethane
 Concen: 10.095 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. -0.000 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

Tgt Ion: 85 Resp: 2086477
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.0 39.0

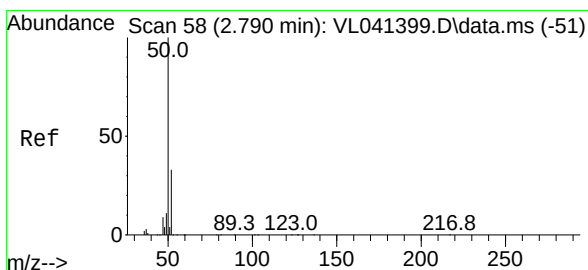
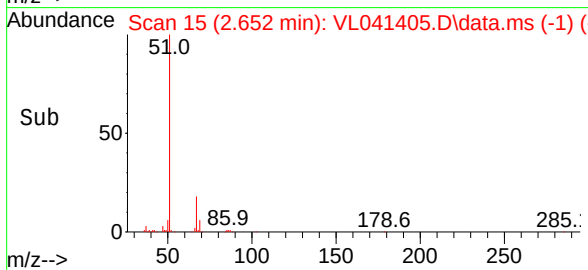
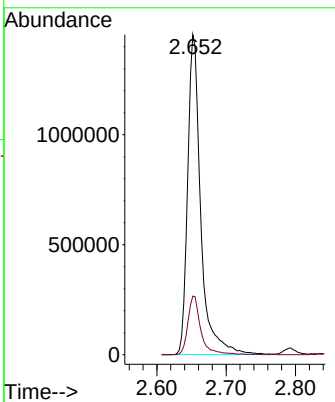
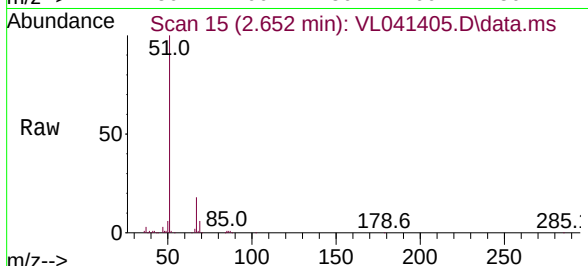




#3
 Chlorodifluoromethane
 Concen: 9.165 ppbv
 RT: 2.652 min Scan# 15
 Delta R.T. -0.000 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

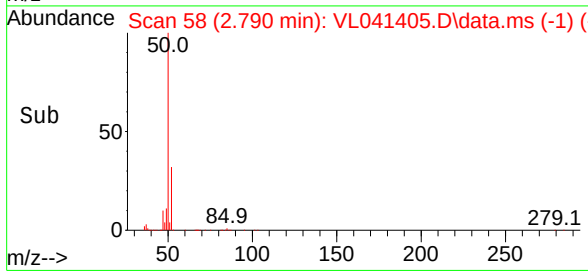
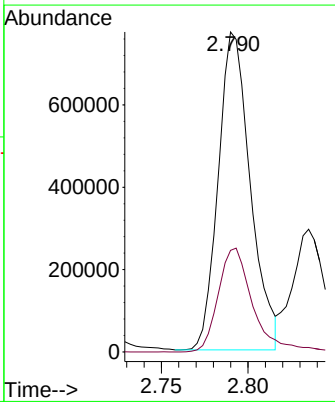
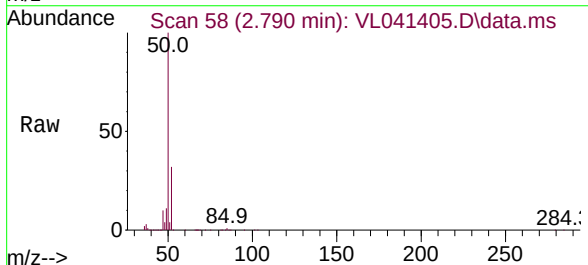
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 ClientSampleId :

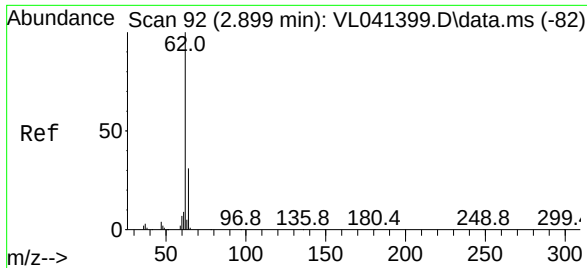
Tgt Ion: 51 Resp: 1914240
 Ion Ratio Lower Upper
 51 100
 67 18.2 14.5 21.7



#4
 Chloromethane
 Concen: 12.485 ppbv
 RT: 2.790 min Scan# 58
 Delta R.T. 0.000 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

Tgt Ion: 50 Resp: 996482
 Ion Ratio Lower Upper
 50 100
 52 32.0 26.1 39.1

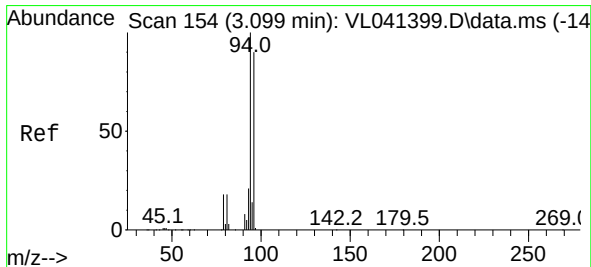
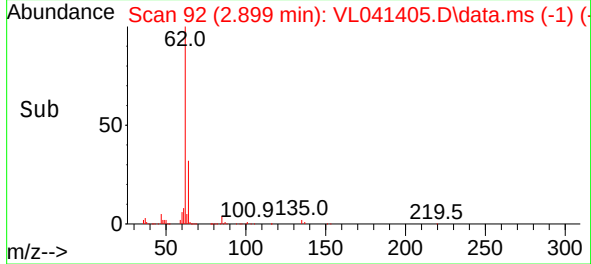
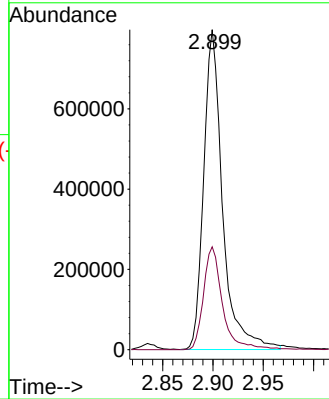
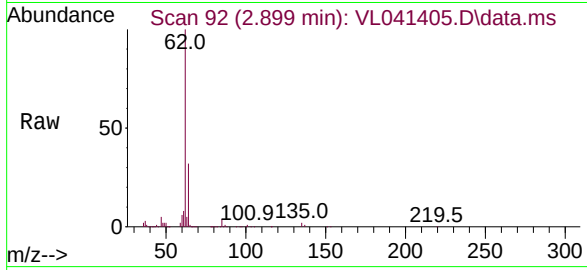




#5
 Vinyl Chloride
 Concen: 12.036 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

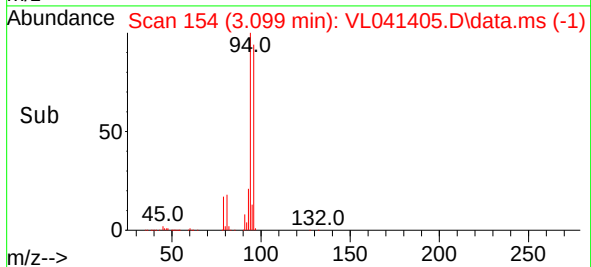
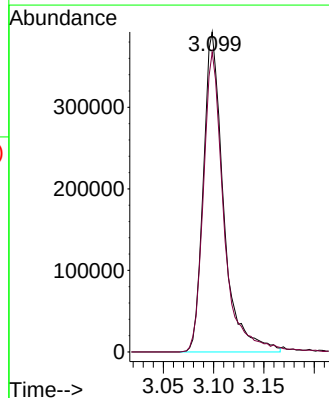
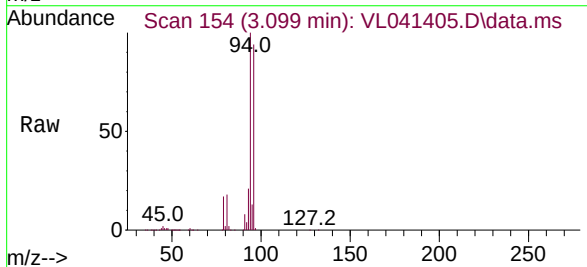
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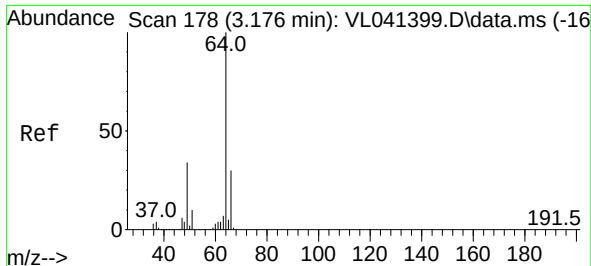
Tgt Ion: 62 Resp: 1038128
 Ion Ratio Lower Upper
 62 100
 64 32.2 25.0 37.4



#6
 Bromomethane
 Concen: 20.067 ppbv
 RT: 3.099 min Scan# 154
 Delta R.T. -0.000 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

Tgt Ion: 94 Resp: 547488
 Ion Ratio Lower Upper
 94 100
 96 93.7 72.3 108.5

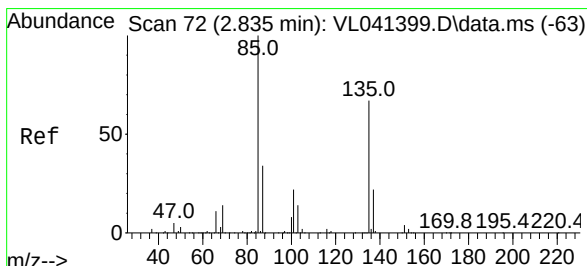
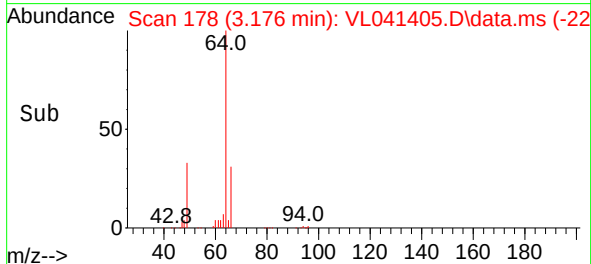
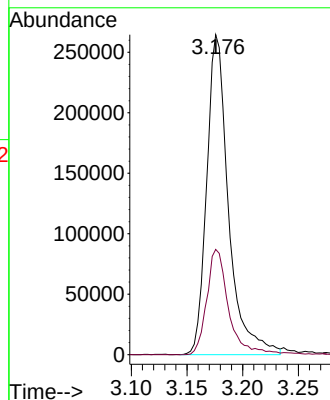
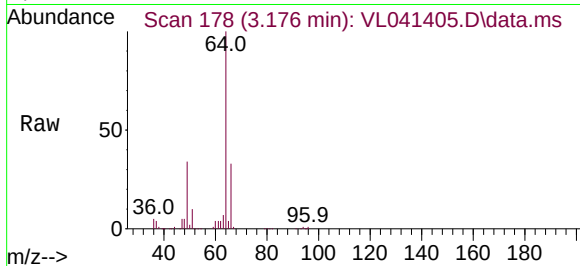




#7
Chloroethane
Concen: 12.655 ppbv
RT: 3.176 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

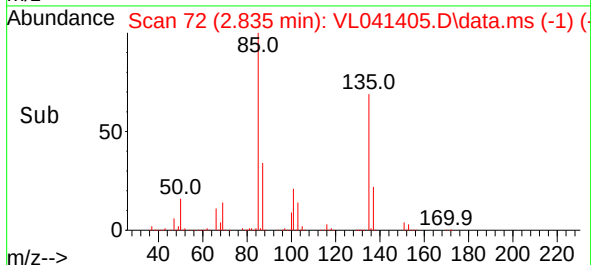
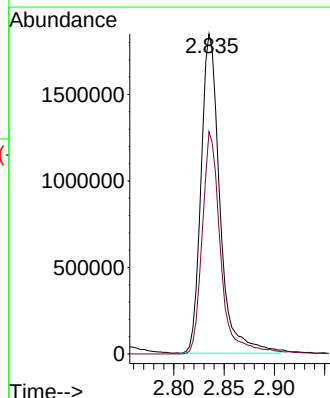
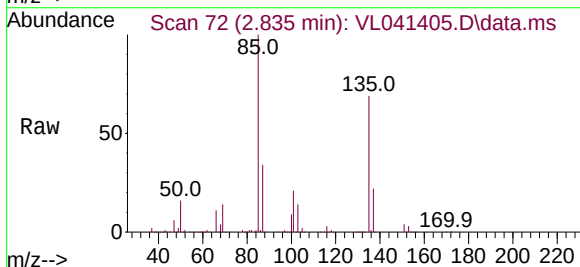
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MSVOA_L
ClientSampleId :

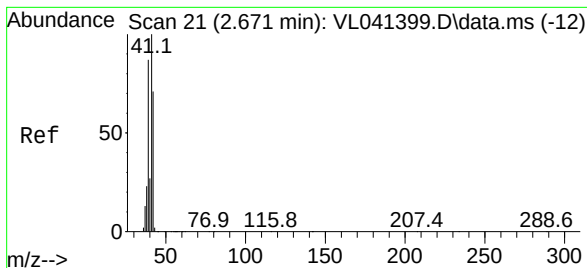
Tgt Ion: 64 Resp: 360614
Ion Ratio Lower Upper
64 100
66 32.9 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 11.943 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion: 85 Resp: 2399417
Ion Ratio Lower Upper
85 100
135 68.6 55.4 83.0





#9

Propene

Concen: 12.451 ppbv

RT: 2.671 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

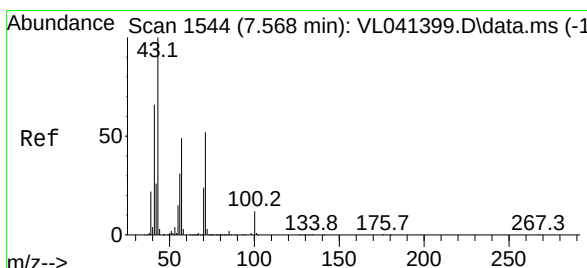
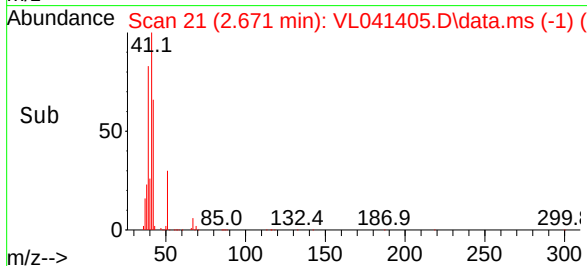
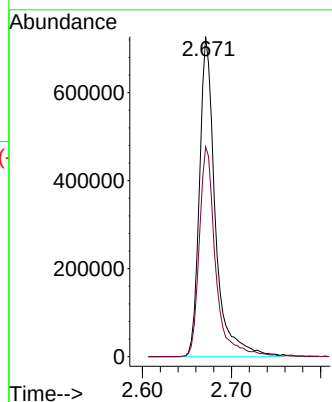
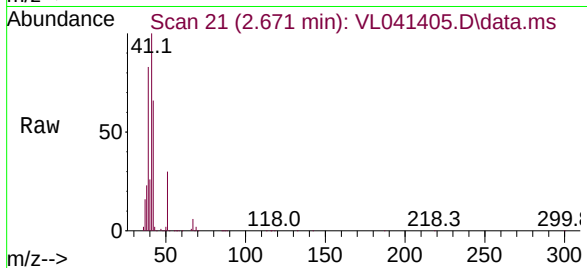
ClientSampleId :

Tgt Ion: 41 Resp: 899840

Ion Ratio Lower Upper

41 100

42 68.0 55.9 83.9



#10

Heptane

Concen: 12.780 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. 0.003 min

Lab File: VL041405.D

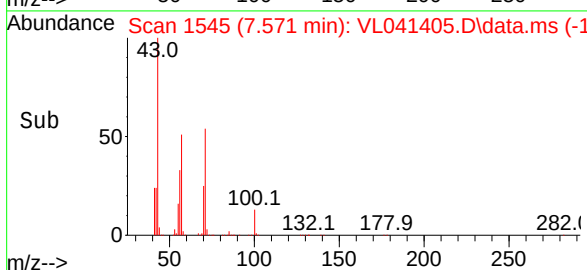
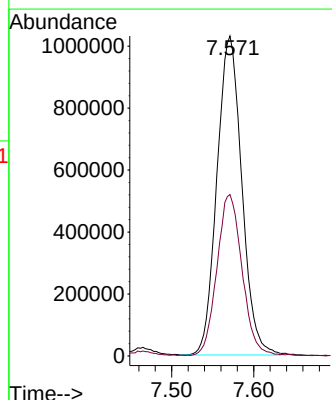
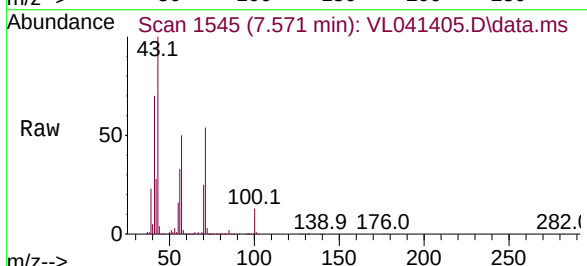
Acq: 25 Jul 2024 18:06

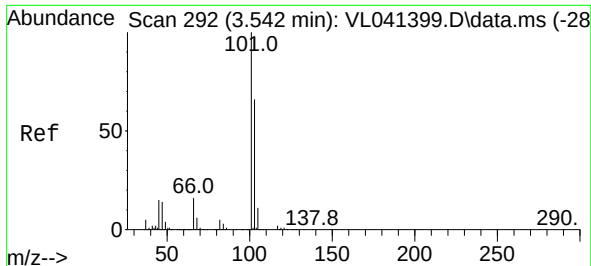
Tgt Ion: 43 Resp: 2169367

Ion Ratio Lower Upper

43 100

57 51.5 40.5 60.7





#11

Trichlorofluoromethane

Concen: 12.296 ppbv

RT: 3.542 min Scan# 292

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

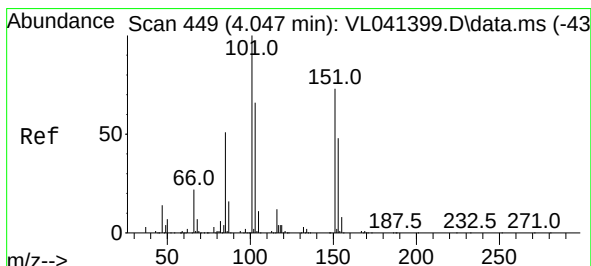
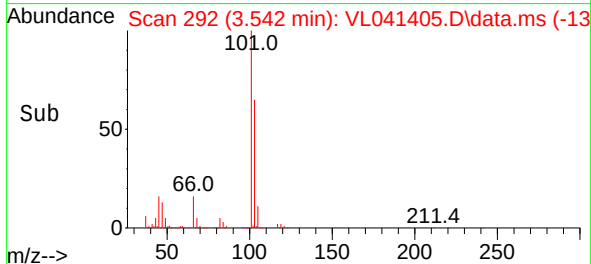
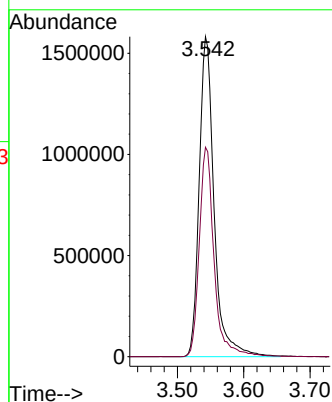
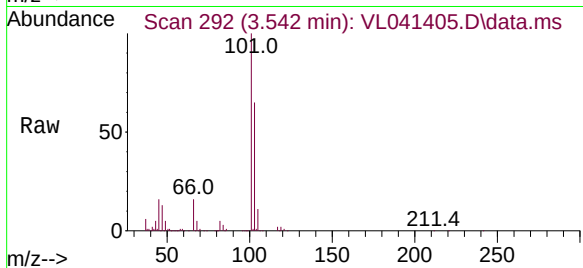
ClientSampleId :

Tgt Ion:101 Resp: 2473823

Ion Ratio Lower Upper

101 100

103 65.5 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 12.784 ppbv

RT: 4.047 min Scan# 449

Delta R.T. 0.000 min

Lab File: VL041405.D

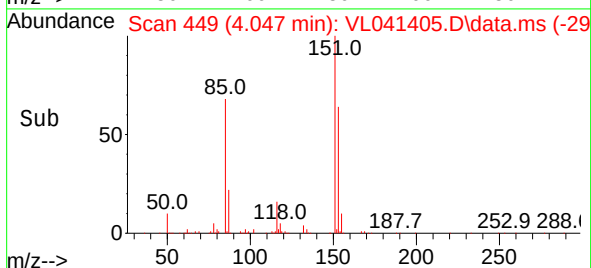
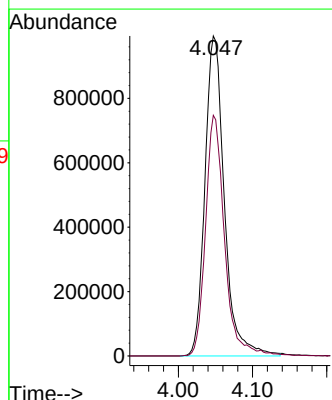
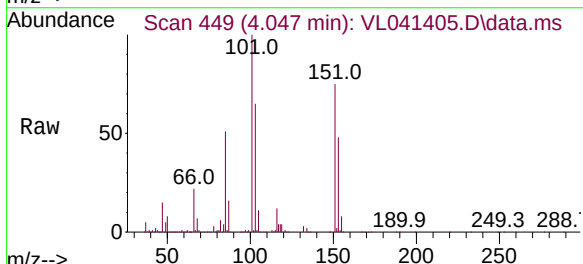
Acq: 25 Jul 2024 18:06

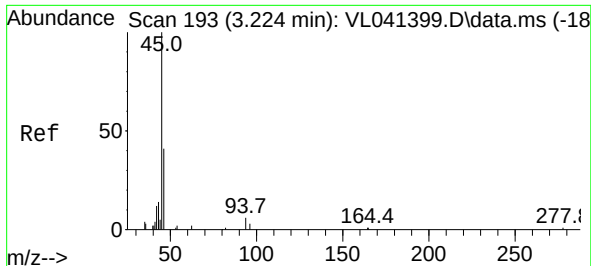
Tgt Ion:101 Resp: 1802452

Ion Ratio Lower Upper

101 100

151 73.8 59.4 89.2

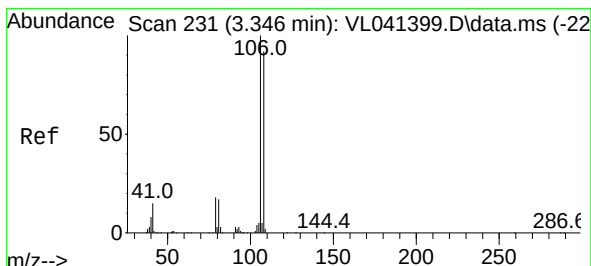
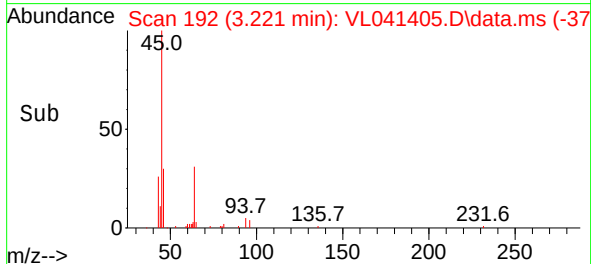
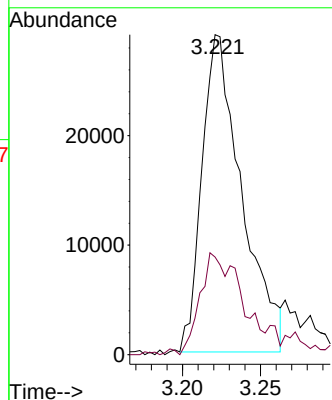
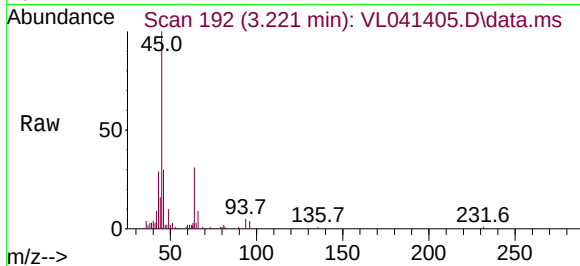




#13
Ethanol
Concen: 3.207 ppbv
RT: 3.221 min Scan# 193
Delta R.T. -0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

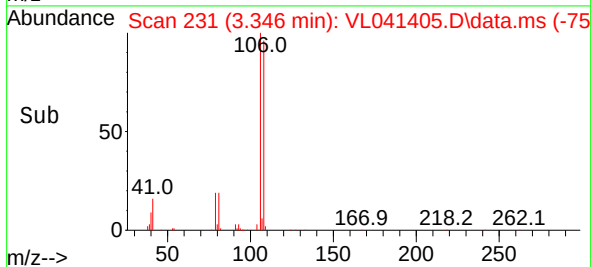
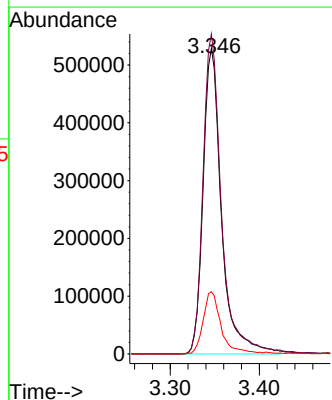
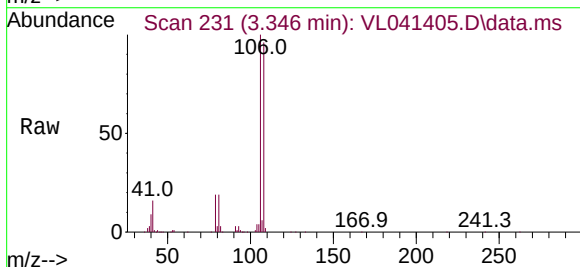
Instrument :
MSVOA_L
ClientSampleId :

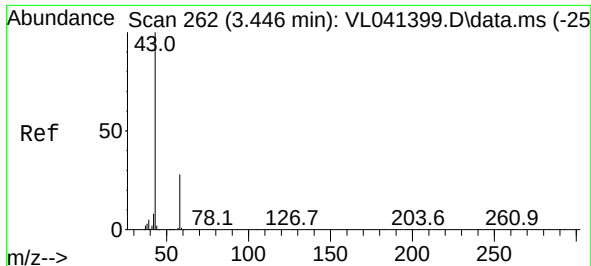
Tgt Ion: 45 Resp: 51417
Ion Ratio Lower Upper
45 100
46 41.2 13.4 53.4



#14
Bromoethene
Concen: 13.400 ppbv
RT: 3.346 min Scan# 231
Delta R.T. 0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion:108 Resp: 757933
Ion Ratio Lower Upper
108 100
106 105.8 86.9 130.3
79 20.7 16.2 24.4





#15

Acetone

Concen: 11.005 ppbv

RT: 3.446 min Scan# 20

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

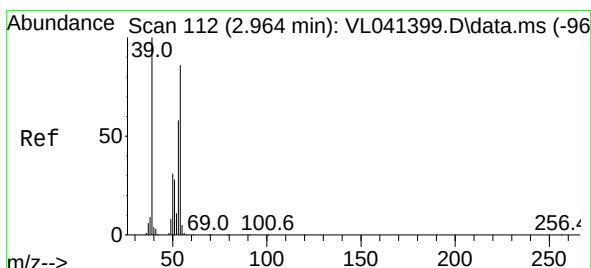
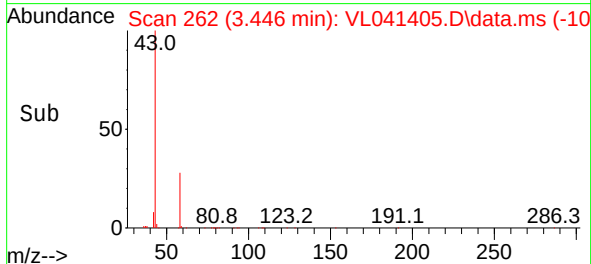
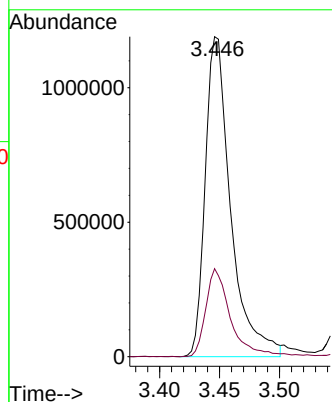
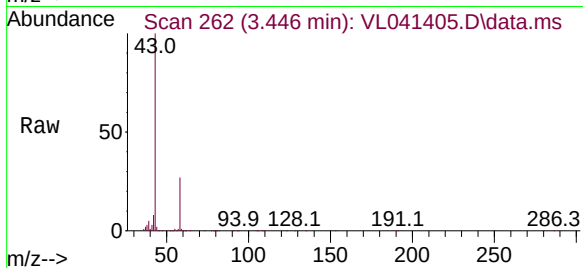
ClientSampleId :

Tgt Ion: 43 Resp: 1760479

Ion Ratio Lower Upper

43 100

58 27.1 21.4 32.2



#16

1,3-Butadiene

Concen: 13.319 ppbv

RT: 2.964 min Scan# 112

Delta R.T. 0.000 min

Lab File: VL041405.D

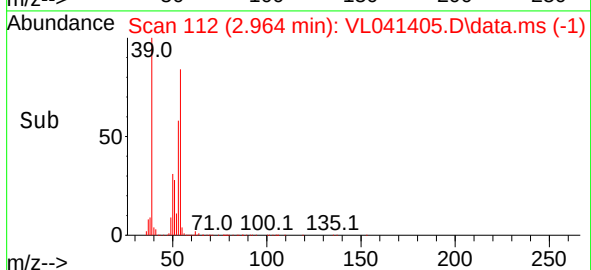
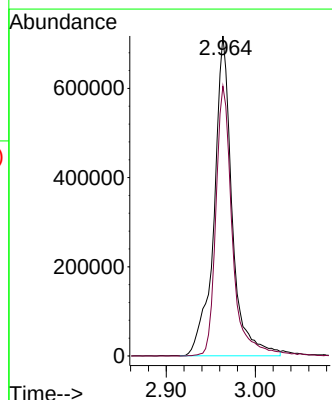
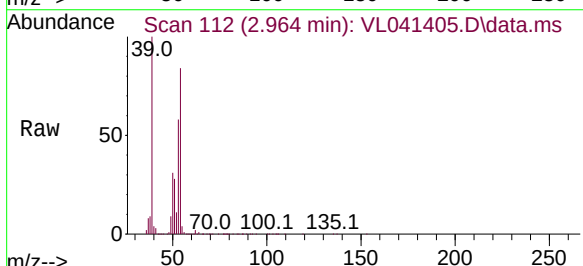
Acq: 25 Jul 2024 18:06

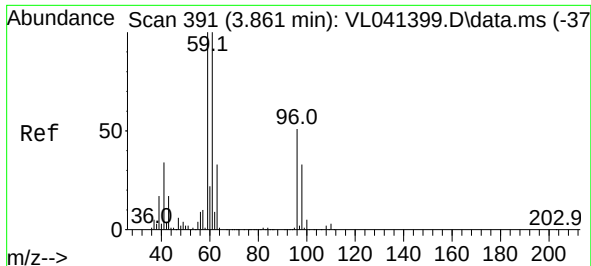
Tgt Ion: 39 Resp: 1014052

Ion Ratio Lower Upper

39 100

54 77.6 62.5 93.7





#17

tert-Butyl alcohol

Concen: 14.883 ppbv

RT: 3.857 min Scan# 390

Delta R.T. -0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

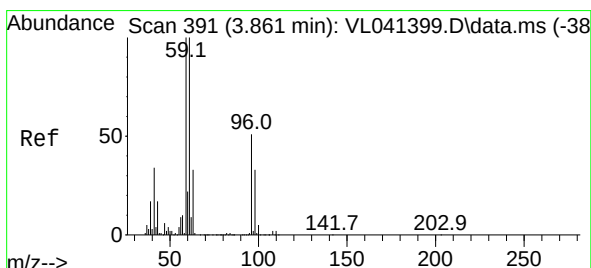
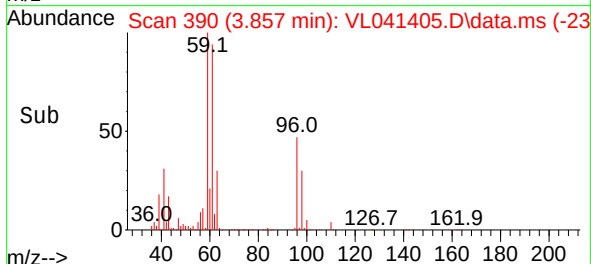
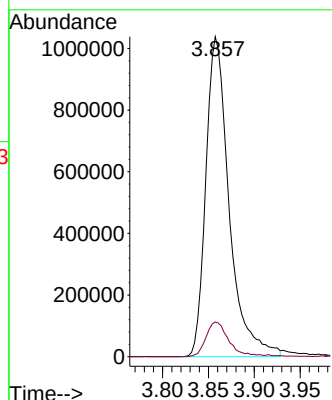
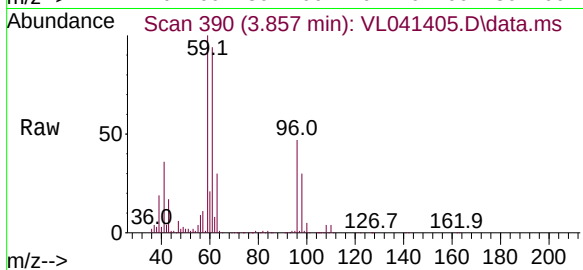
ClientSampleId :

Tgt Ion: 59 Resp: 1836705

Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8



#18

1,1-Dichloroethene

Concen: 13.011 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

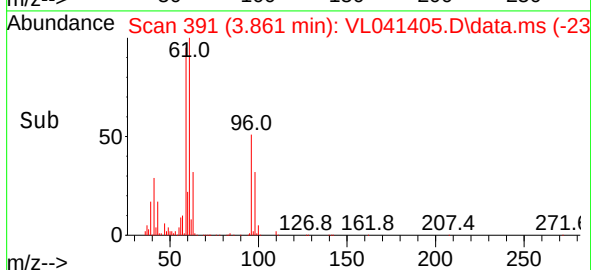
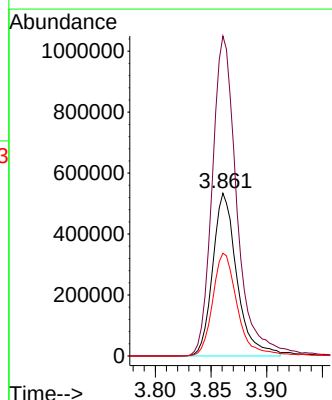
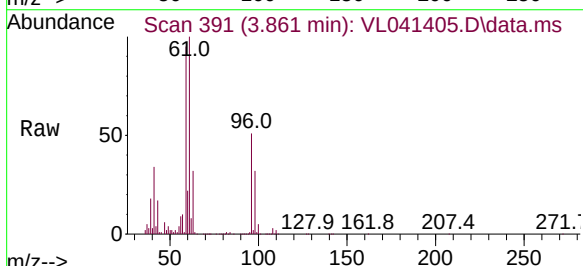
Tgt Ion: 96 Resp: 806522

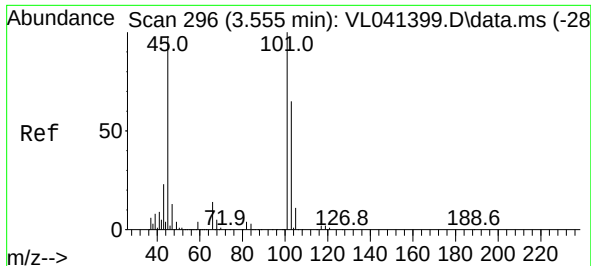
Ion Ratio Lower Upper

96 100

61 196.6 157.5 236.3

98 63.1 51.2 76.8





#19

Isopropyl Alcohol

Concen: 13.027 ppbv

RT: 3.555 min Scan# 20

Delta R.T. -0.000 min MSVOA_L

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

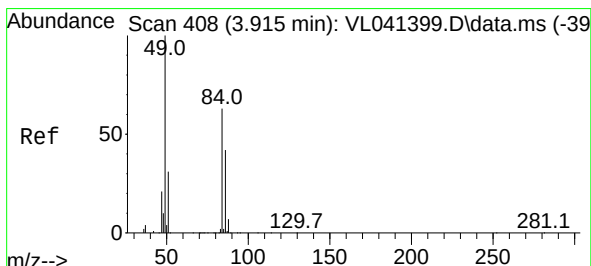
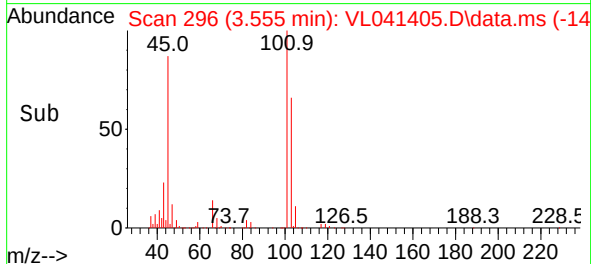
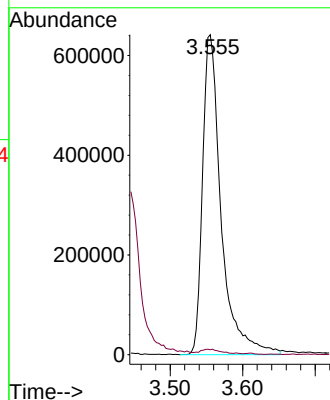
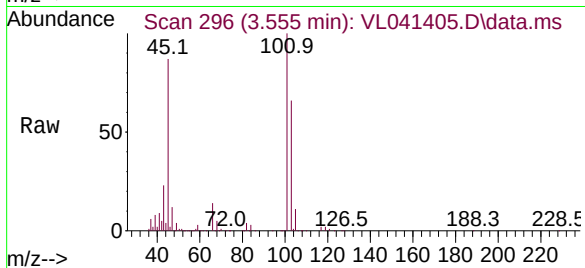
ClientSampleId :

Tgt Ion: 45 Resp: 1143994

Ion Ratio Lower Upper

45 100

58 2.4 1.9 2.9



#20

Methylene Chloride

Concen: 11.634 ppbv

RT: 3.915 min Scan# 408

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Tgt Ion: 84 Resp: 675282

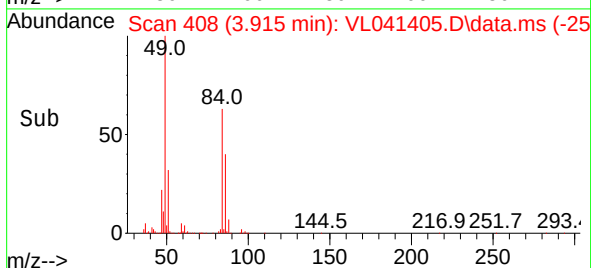
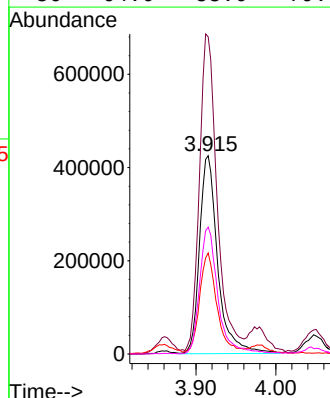
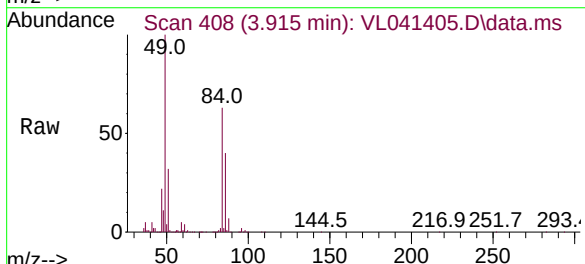
Ion Ratio Lower Upper

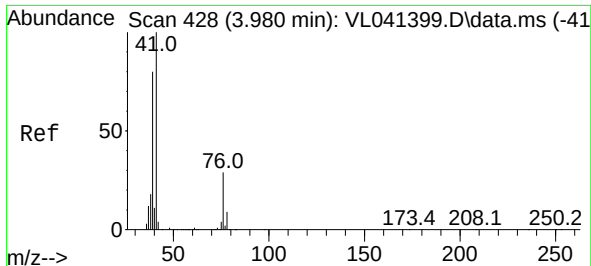
84 100

49 158.5 126.6 190.0

51 50.2 38.6 58.0

86 64.0 53.0 79.4





#21

Allyl Chloride

Concen: 13.313 ppbv

RT: 3.980 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

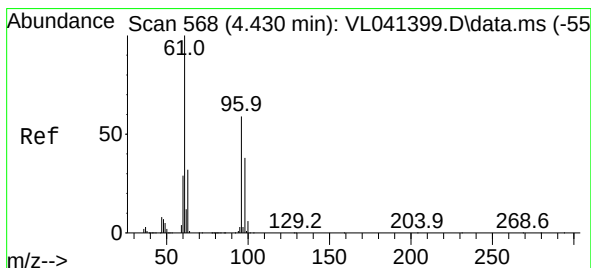
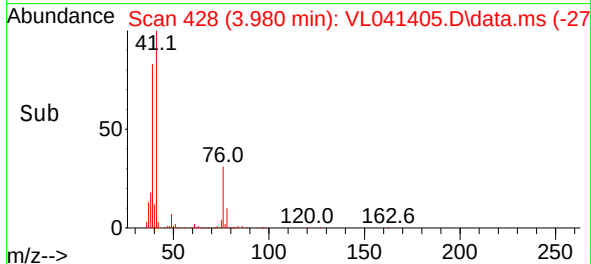
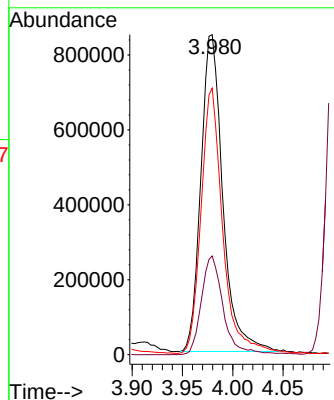
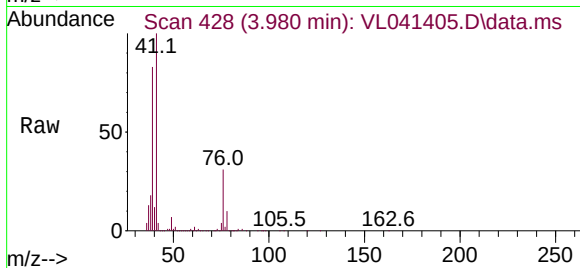
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 41 Resp: 1284615

Ion	Ratio	Lower	Upper
41	100		
76	31.0	23.7	35.5
39	83.1	64.3	96.5



#22

trans-1,2-Dichloroethene

Concen: 13.156 ppbv

RT: 4.430 min Scan# 568

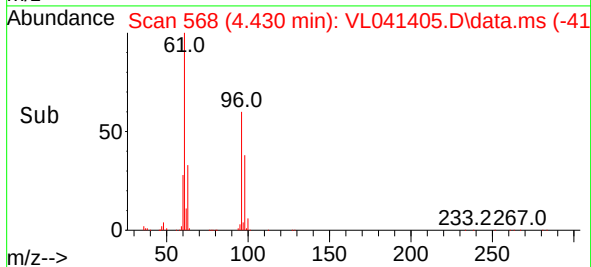
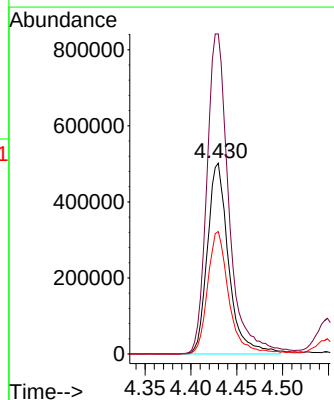
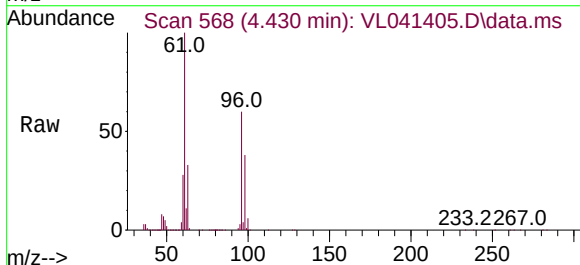
Delta R.T. -0.000 min

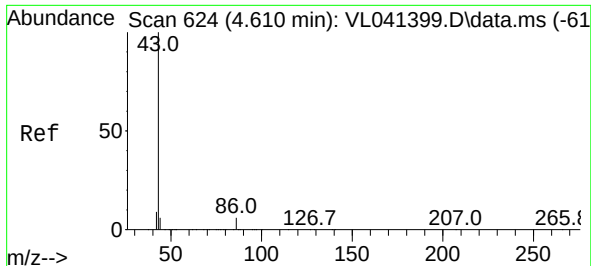
Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Tgt Ion: 96 Resp: 809963

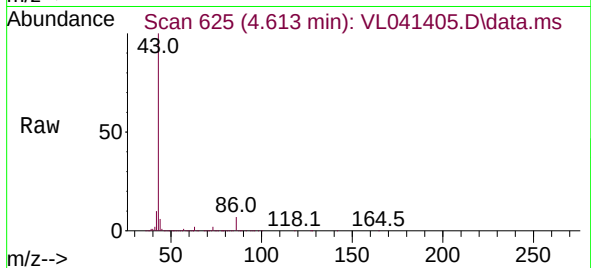
Ion	Ratio	Lower	Upper
96	100		
61	167.8	135.4	203.2
98	64.1	51.0	76.4





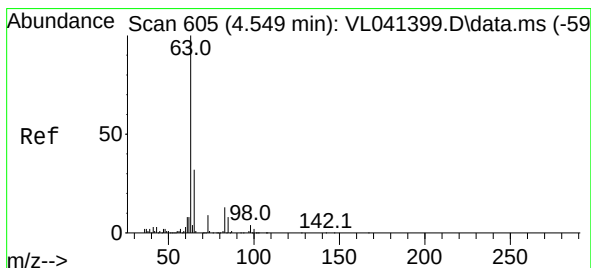
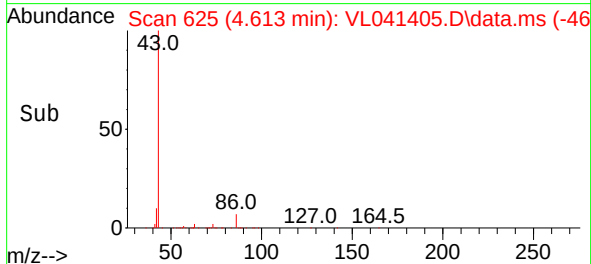
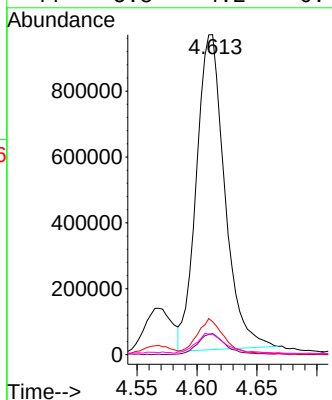
#23
 Vinyl Acetate
 Concen: 9.960 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1570687

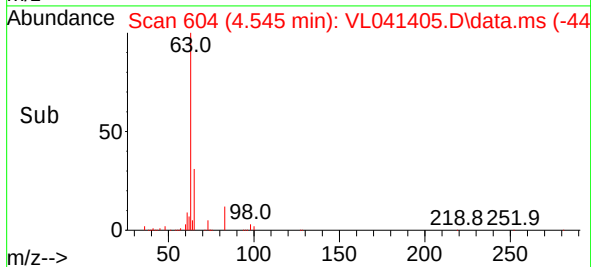
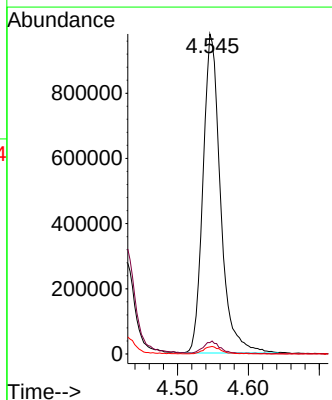
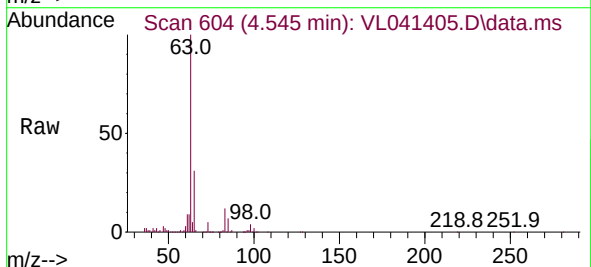
Ion	Ratio	Lower	Upper
43	100		
86	6.6	4.6	6.8
42	10.3	7.9	11.9
44	5.8	4.2	6.4

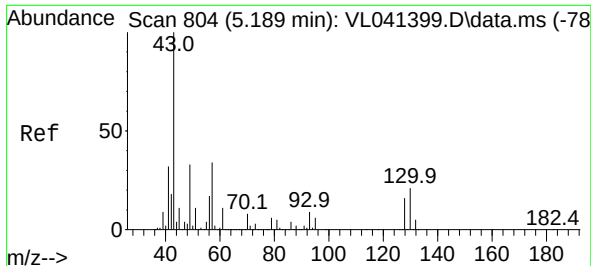


#24
 1,1-Dichloroethane
 Concen: 12.269 ppbv
 RT: 4.545 min Scan# 604
 Delta R.T. -0.003 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

Tgt Ion: 63 Resp: 1677304

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.0	6.0
100	2.1	1.2	3.6





#25

Ethyl Acetate

Concen: 12.915 ppbv

RT: 5.189 min Scan# 804

Delta R.T. 0.000 min

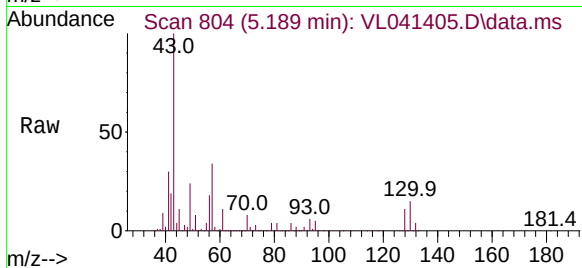
Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 43 Resp: 3804371

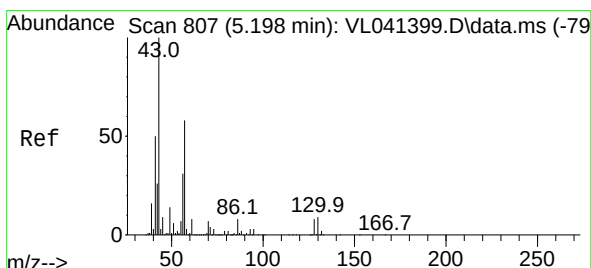
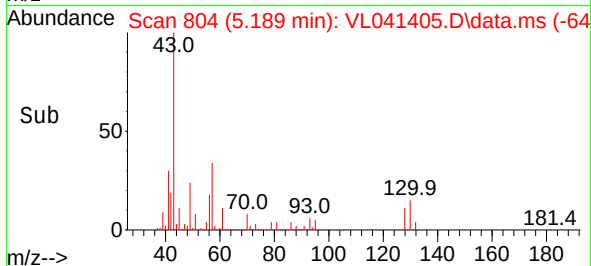
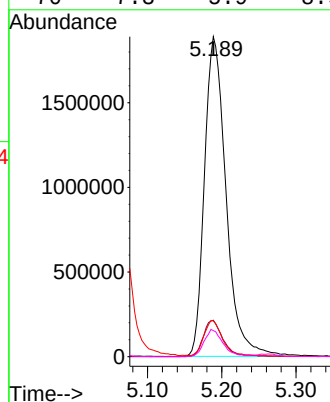
Ion Ratio Lower Upper

43 100

45 10.6 8.5 12.7

61 10.4 8.0 12.0

70 7.3 5.9 8.9



#26

Hexane

Concen: 12.384 ppbv

RT: 5.198 min Scan# 807

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Tgt Ion: 57 Resp: 1615258

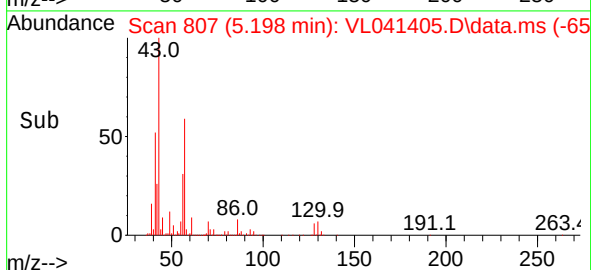
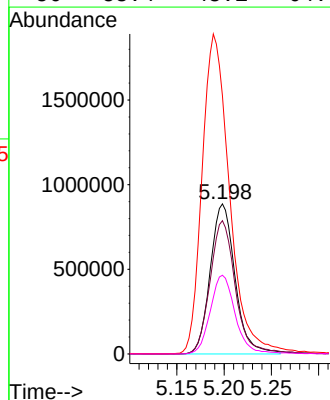
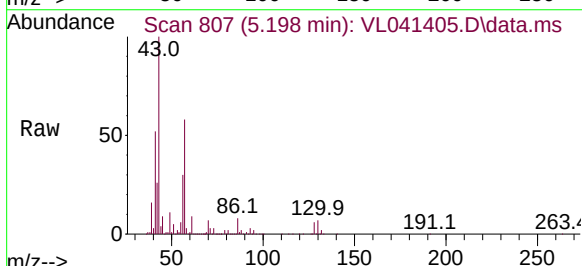
Ion Ratio Lower Upper

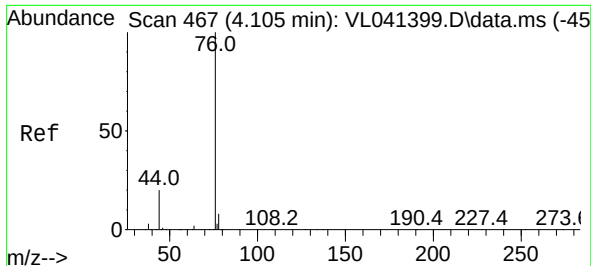
57 100

41 91.9 74.0 111.0

43 237.7 193.6 290.4

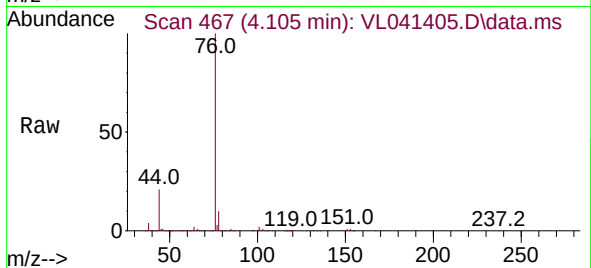
56 53.4 43.1 64.7





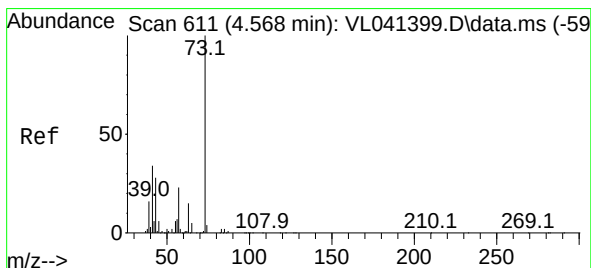
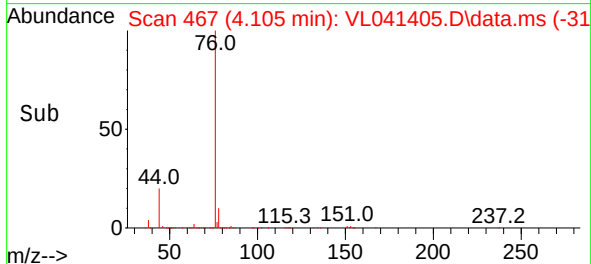
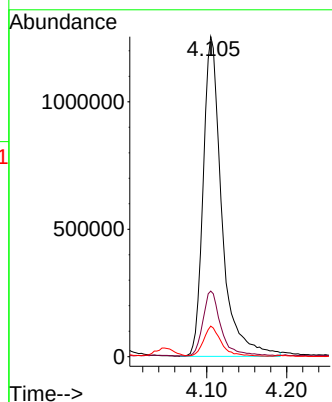
#27
Carbon Disulfide
Concen: 12.842 ppbv
RT: 4.105 min Scan# 467
Delta R.T. -0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 76 Resp: 2038049

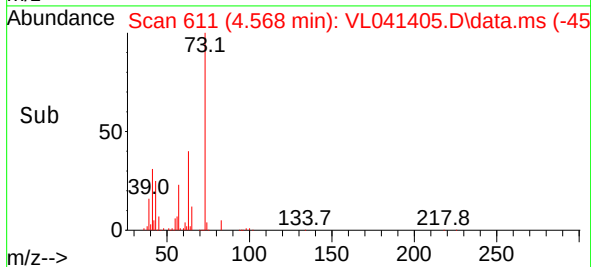
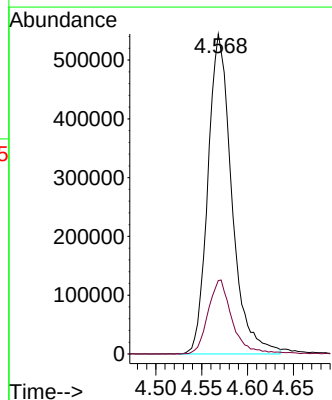
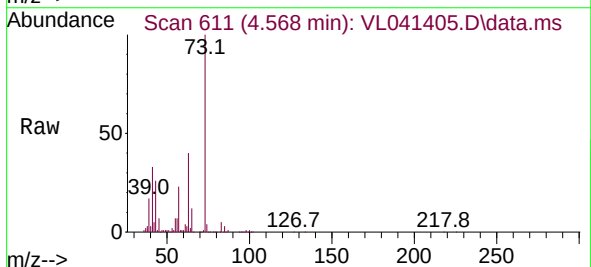
Ion	Ratio	Lower	Upper
76	100		
44	19.8	15.6	23.4
78	9.2	7.7	11.5

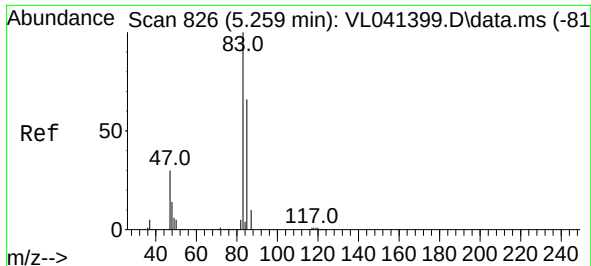


#28
Methyl tert-Butyl Ether
Concen: 10.196 ppbv
RT: 4.568 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion: 73 Resp: 986442

Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.9	28.3





#29

Chloroform

Concen: 12.624 ppbv

RT: 5.263 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

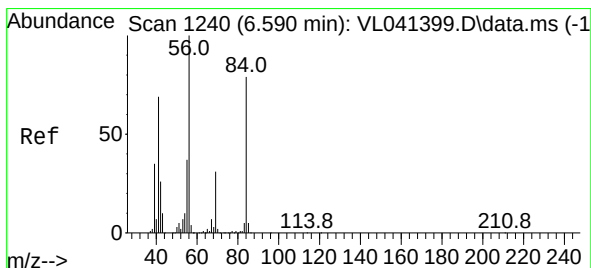
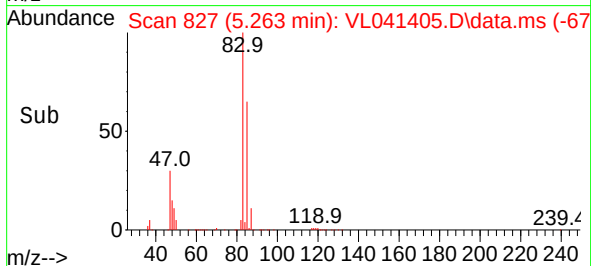
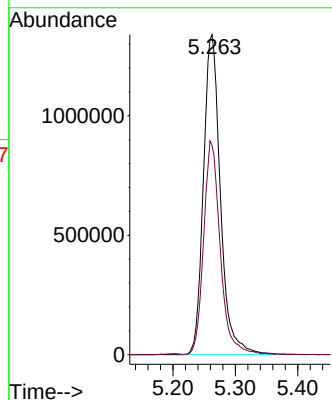
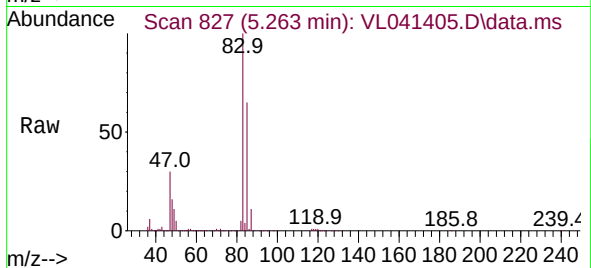
ClientSampleId :

Tgt Ion: 83 Resp: 2540539

Ion Ratio Lower Upper

83 100

85 65.3 53.1 79.7



#30

Cyclohexane

Concen: 13.581 ppbv

RT: 6.590 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

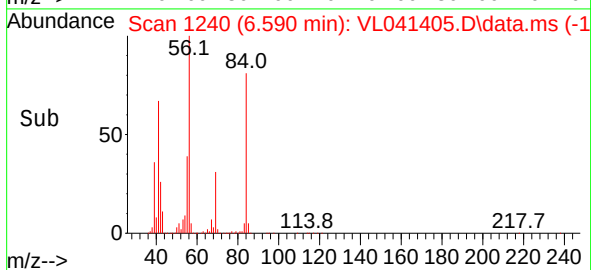
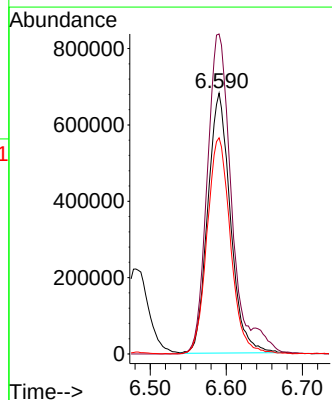
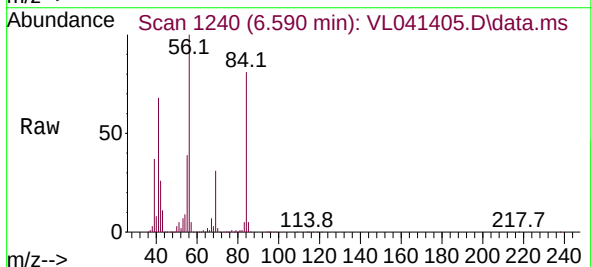
Tgt Ion: 84 Resp: 1411237

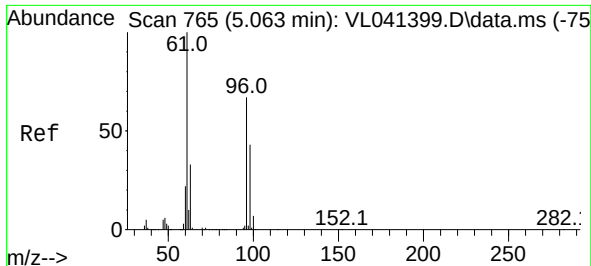
Ion Ratio Lower Upper

84 100

56 133.7 111.2 166.8

41 85.7 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 13.023 ppbv

RT: 5.063 min Scan# 765

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

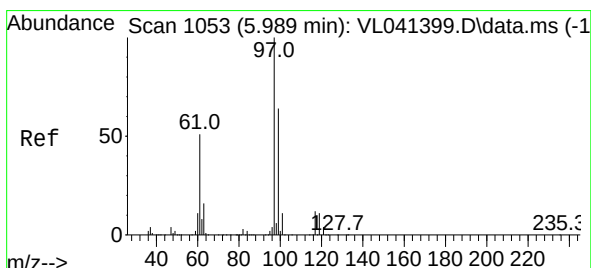
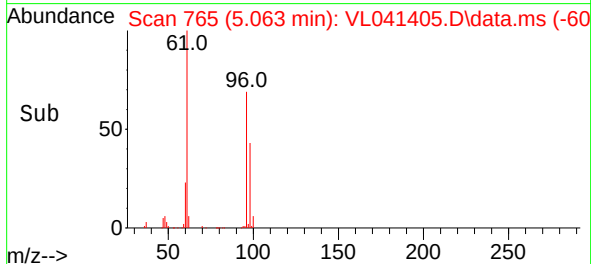
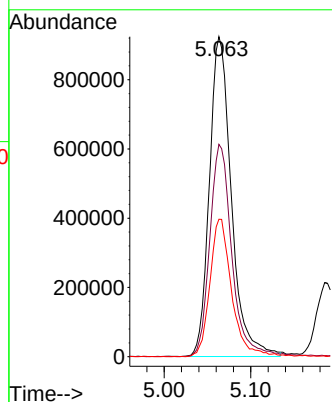
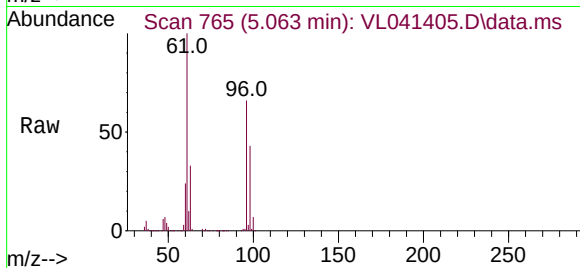
Tgt Ion: 61 Resp: 1628471

Ion Ratio Lower Upper

61 100

96 66.4 53.4 80.2

98 43.0 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 11.940 ppbv

RT: 5.989 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

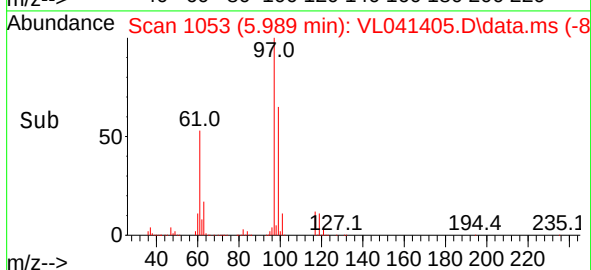
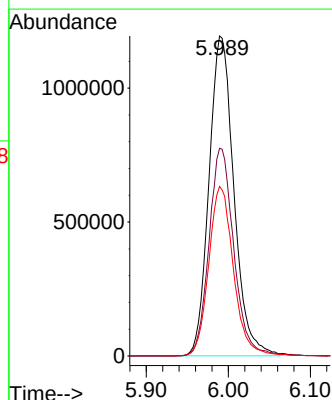
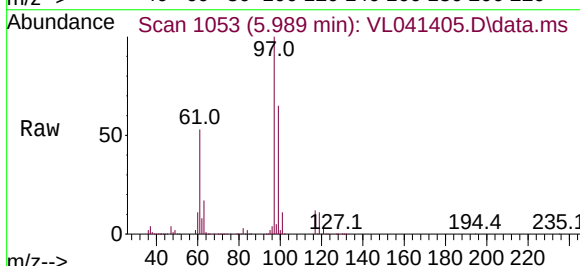
Tgt Ion: 97 Resp: 2522136

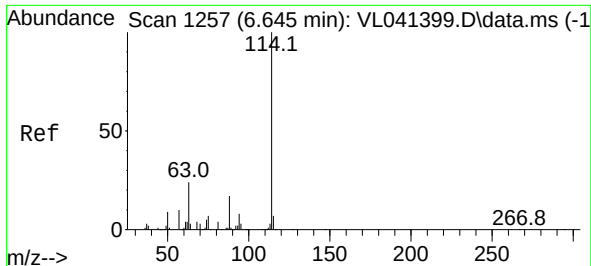
Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

61 52.8 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

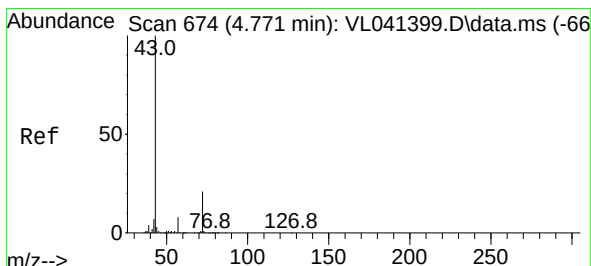
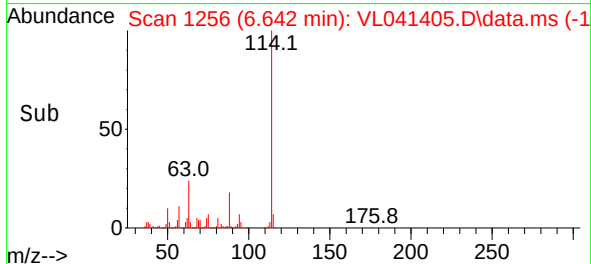
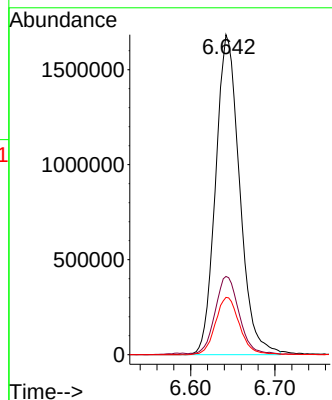
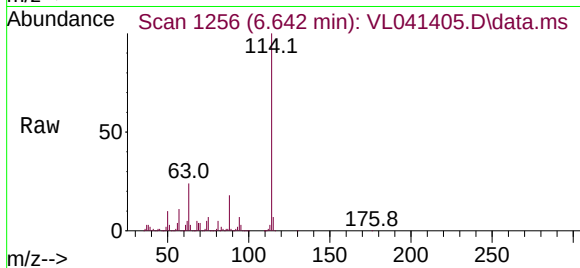
Tgt Ion:114 Resp: 3327019

Ion Ratio Lower Upper

114 100

63 25.2 20.3 30.5

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 13.274 ppbv

RT: 4.771 min Scan# 674

Delta R.T. 0.000 min

Lab File: VL041405.D

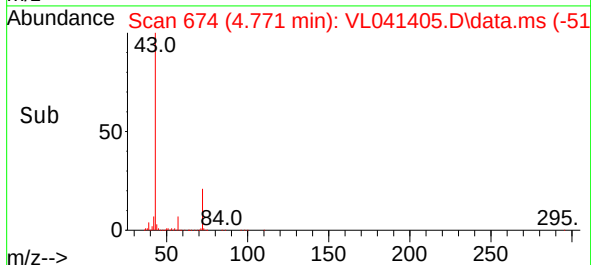
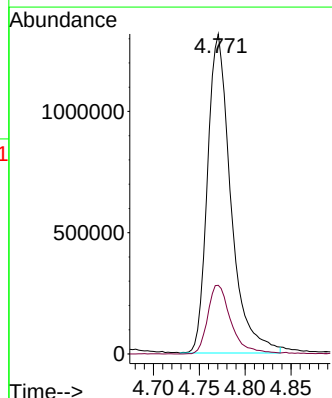
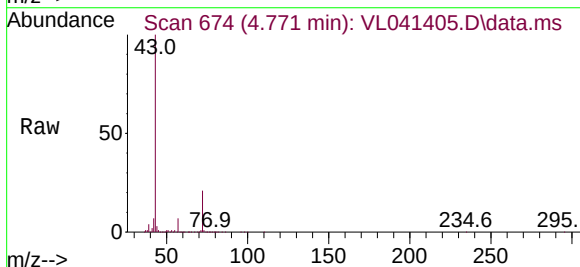
Acq: 25 Jul 2024 18:06

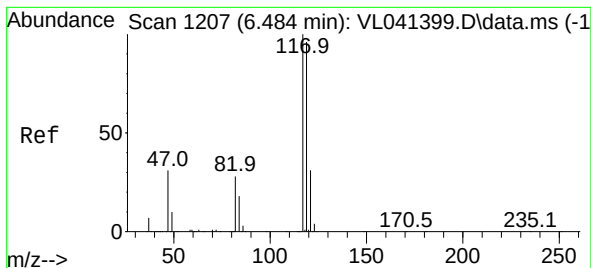
Tgt Ion: 43 Resp: 2330483

Ion Ratio Lower Upper

43 100

72 22.0 17.3 25.9





#35

Carbon Tetrachloride

Concen: 12.269 ppbv

RT: 6.481 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

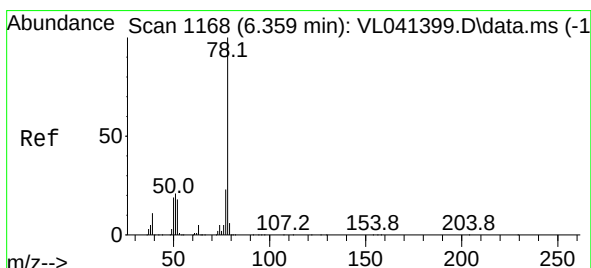
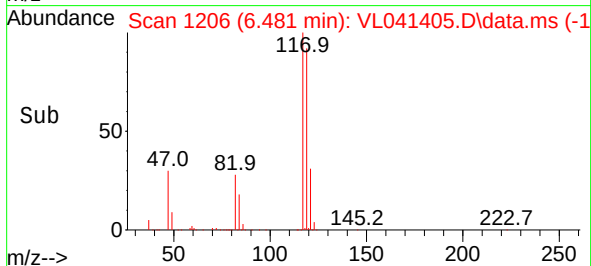
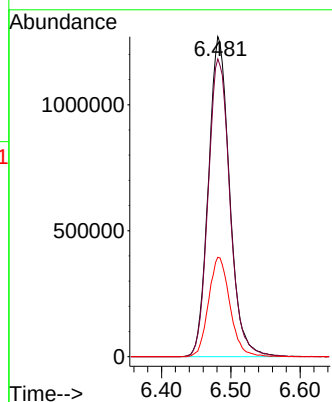
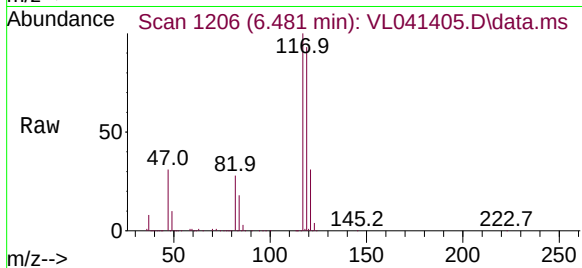
Tgt Ion:117 Resp: 2695636

Ion Ratio Lower Upper

117 100

119 93.0 76.6 115.0

121 31.1 25.1 37.7



#36

Benzene

Concen: 12.487 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

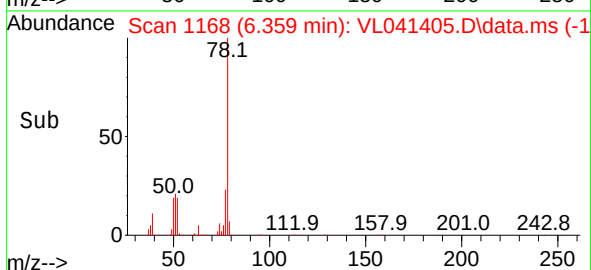
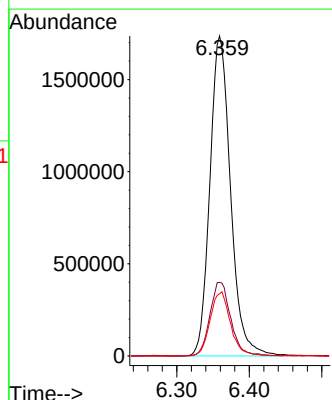
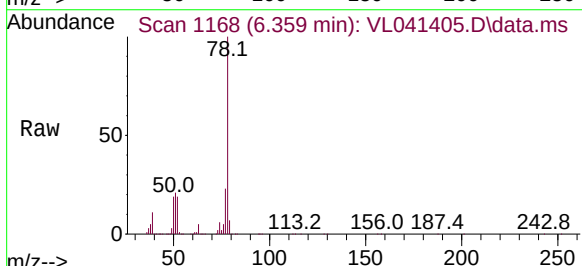
Tgt Ion: 78 Resp: 3438269

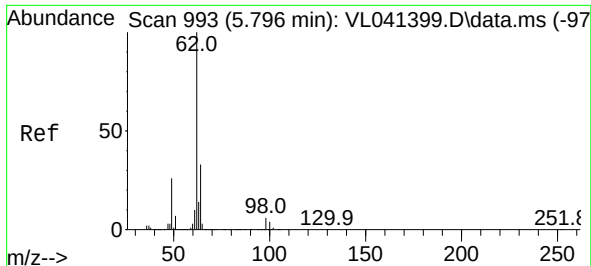
Ion Ratio Lower Upper

78 100

77 23.0 18.1 27.1

50 19.4 15.5 23.3

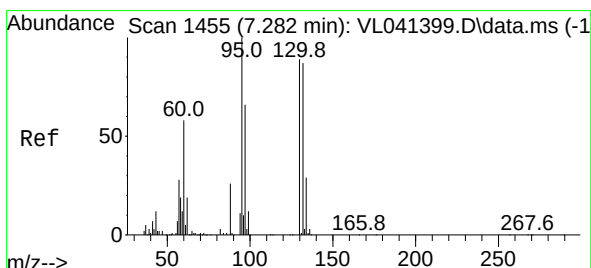
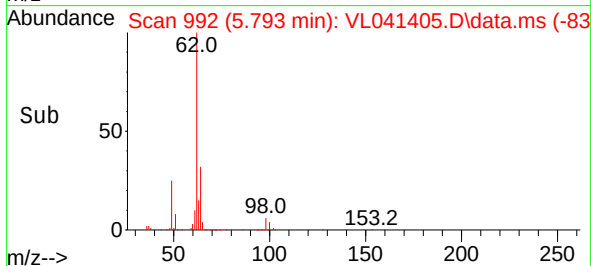
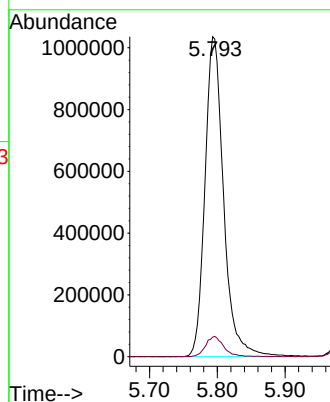
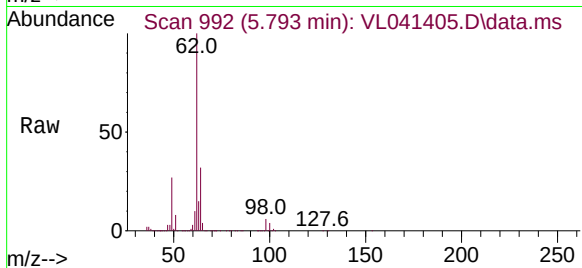




#37
1,2-Dichloroethane
Concen: 12.503 ppbv
RT: 5.793 min Scan# 993
Delta R.T. -0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

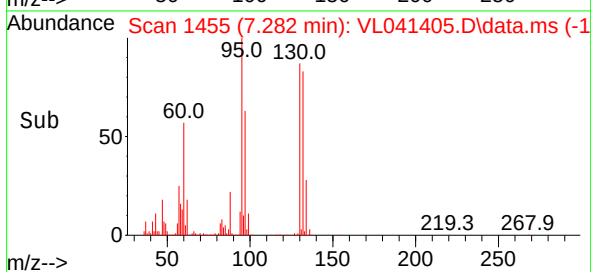
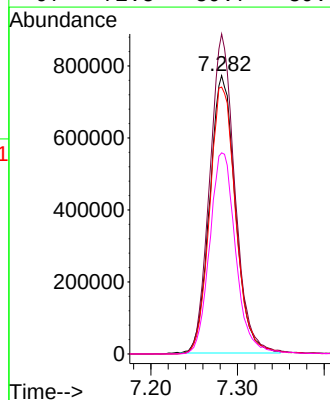
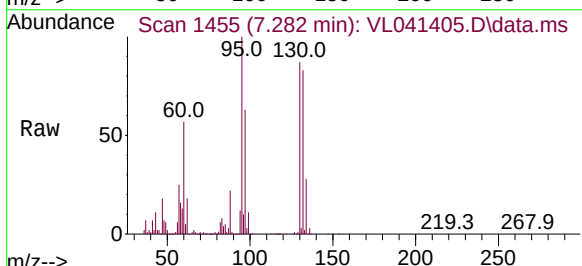
Instrument :
MSVOA_L
ClientSampleId :

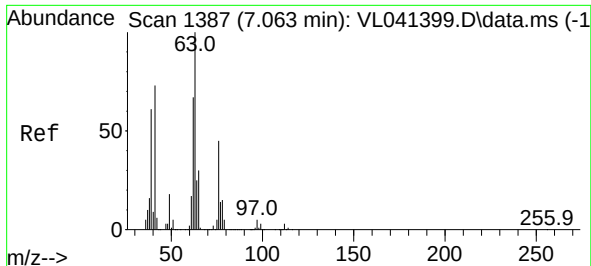
Tgt Ion: 62 Resp: 1975307
Ion Ratio Lower Upper
62 100
98 6.4 5.0 7.4



#38
Trichloroethene
Concen: 13.195 ppbv
RT: 7.282 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion:130 Resp: 1582683
Ion Ratio Lower Upper
130 100
95 115.2 90.2 135.2
132 96.1 78.1 117.1
97 72.5 59.7 89.5





#39

1,2-Dichloropropane

Concen: 12.599 ppbv

RT: 7.063 min Scan# 1451

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

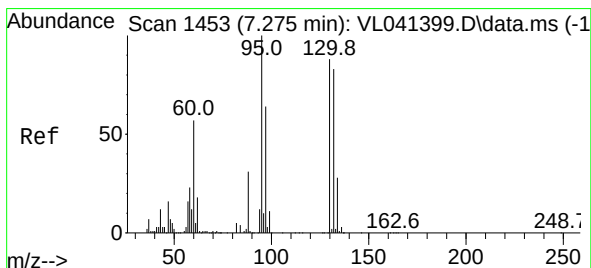
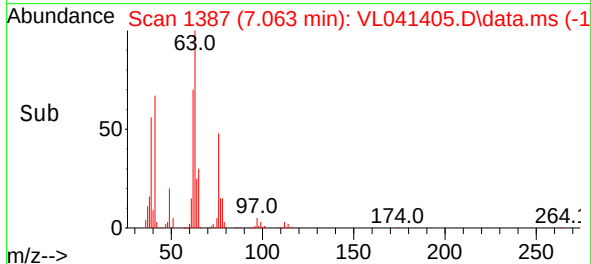
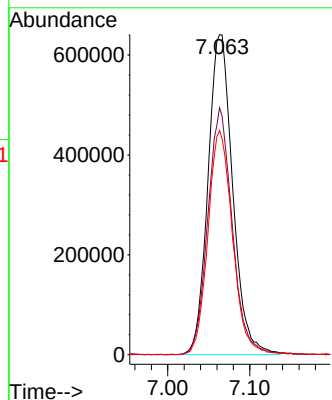
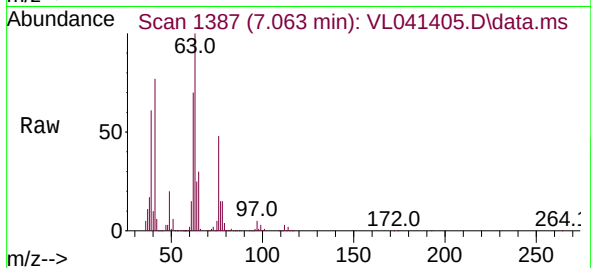
Tgt Ion: 63 Resp: 1340584

Ion Ratio Lower Upper

63 100

41 77.2 58.3 87.5

62 70.0 53.9 80.9



#40

1,4-Dioxane

Concen: 14.825 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. -0.006 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Tgt Ion: 88 Resp: 505735

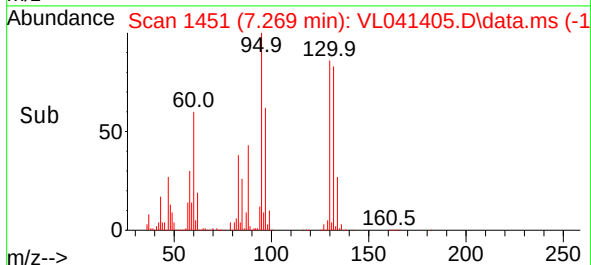
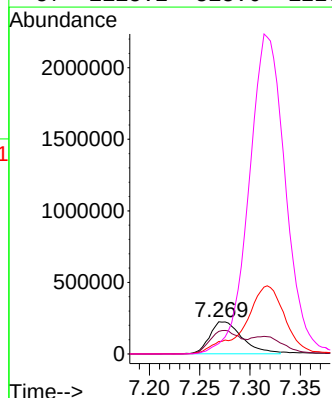
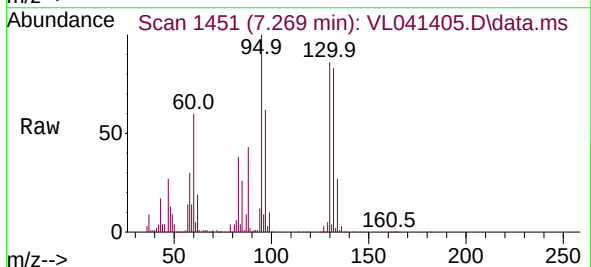
Ion Ratio Lower Upper

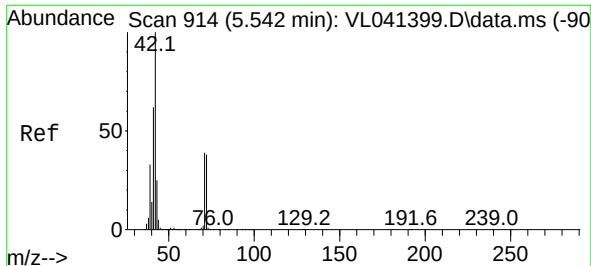
88 100

58 126.1 95.8 143.6

43 263.1 188.2 282.2

57 1118.2 813.6 1220.4





#41

Tetrahydrofuran

Concen: 12.868 ppbv

RT: 5.542 min Scan# 914

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

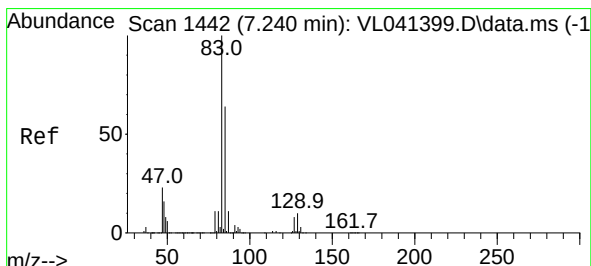
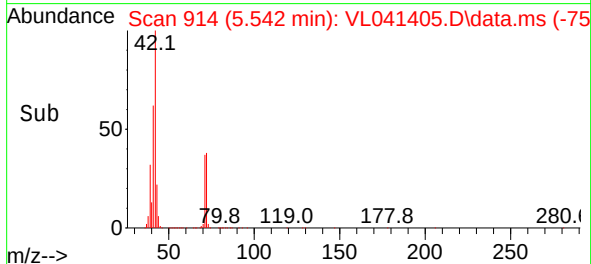
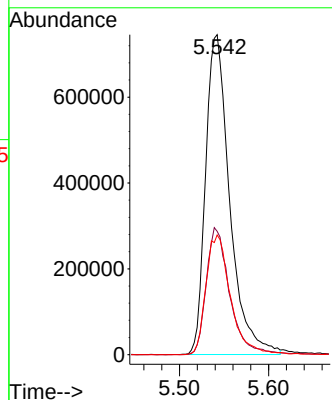
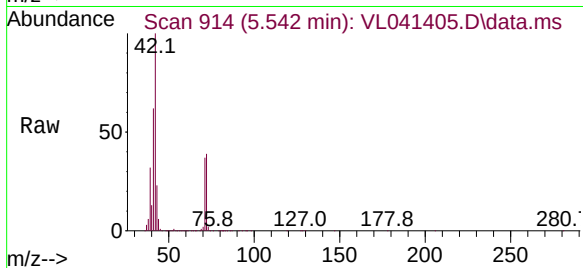
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 42 Resp: 1399340

Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.2	46.8
71	38.6	30.5	45.7



#42

Bromodichloromethane

Concen: 12.832 ppbv

RT: 7.240 min Scan# 1442

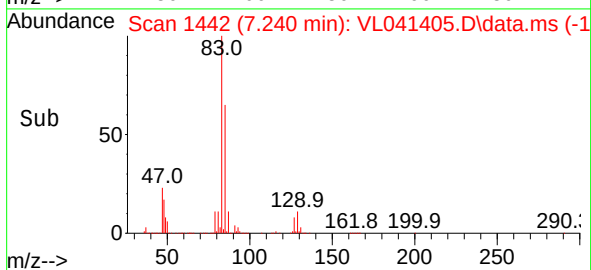
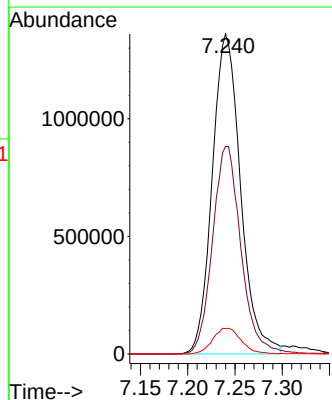
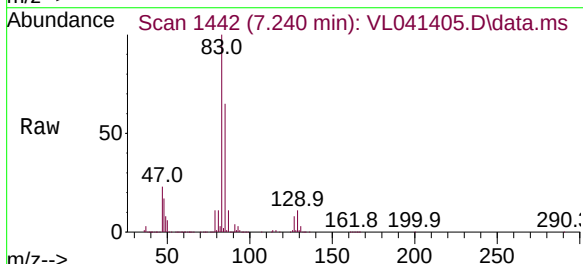
Delta R.T. 0.000 min

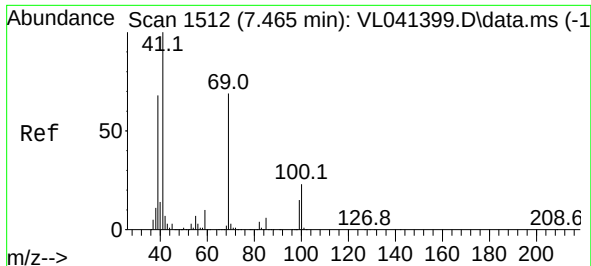
Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Tgt Ion: 83 Resp: 2836611

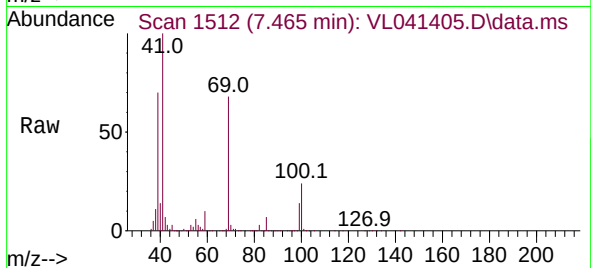
Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.4	77.0
127	7.9	6.7	10.1



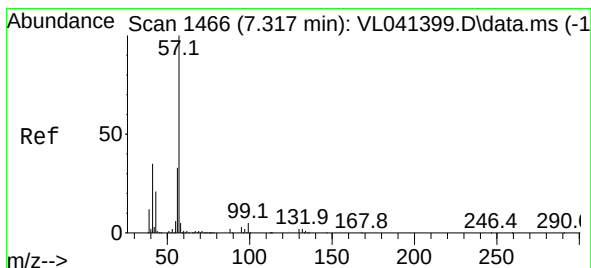
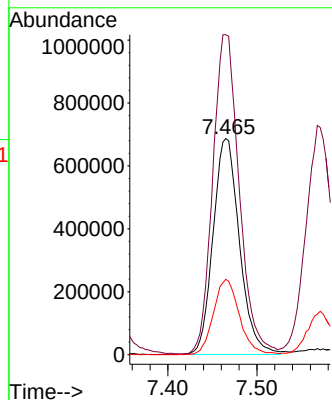
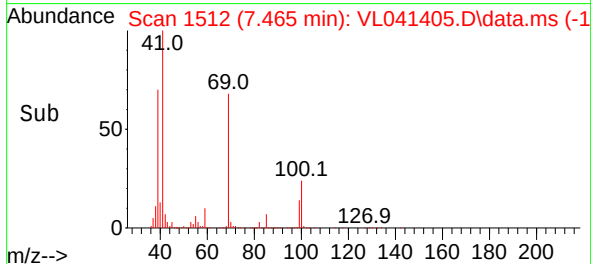


#43
Methyl Methacrylate
Concen: 13.686 ppbv
RT: 7.465 min Scan# 1415809
Delta R.T. -0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

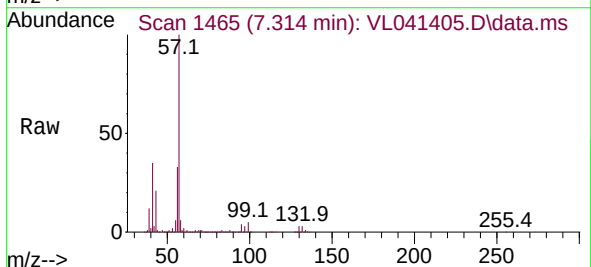
Instrument :
MSVOA_L
ClientSampleId :



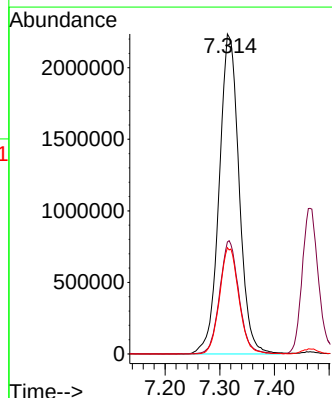
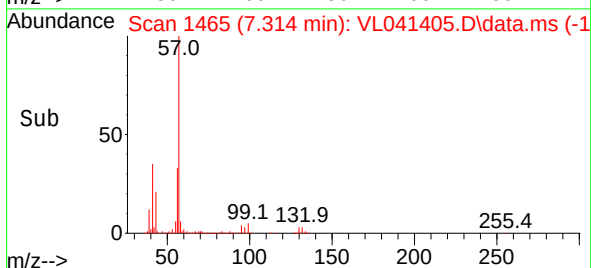
Tgt Ion: 69 Resp: 1415809
Ion Ratio Lower Upper
69 100
41 148.8 118.7 178.1
100 34.3 27.0 40.4

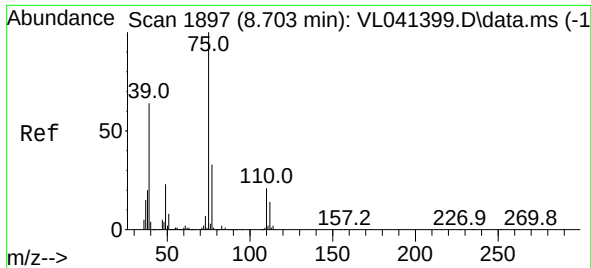


#44
2,2,4-Trimethylpentane
Concen: 12.075 ppbv
RT: 7.314 min Scan# 1465
Delta R.T. -0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06



Tgt Ion: 57 Resp: 5650271
Ion Ratio Lower Upper
57 100
41 34.1 27.0 40.6
56 32.3 25.2 37.8

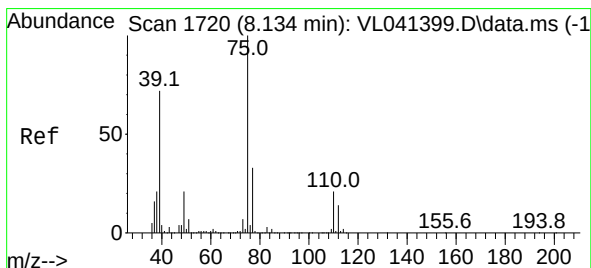
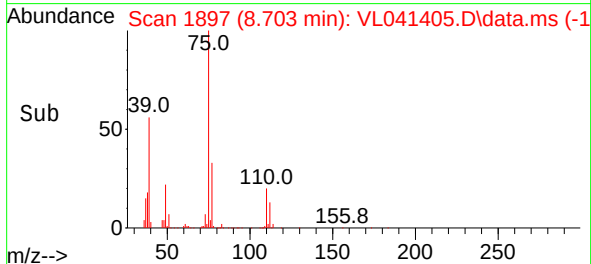
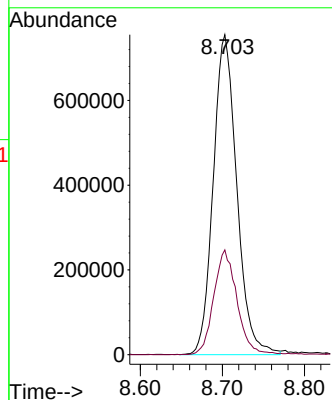
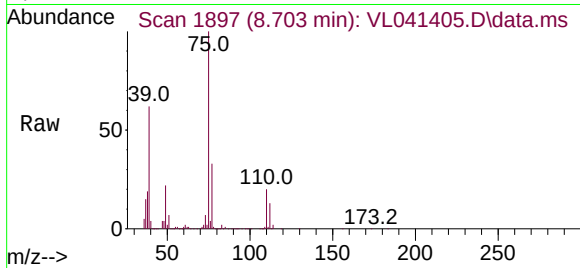




#45
t-1,3-Dichloropropene
Concen: 23.041 ppbv
RT: 8.703 min Scan# 1897
Delta R.T. 0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

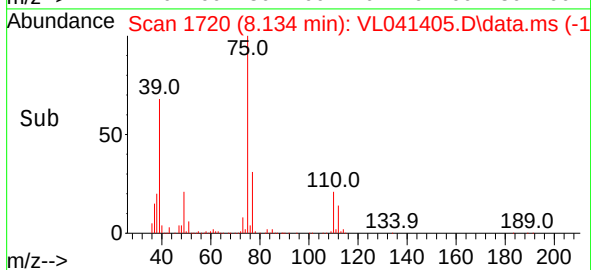
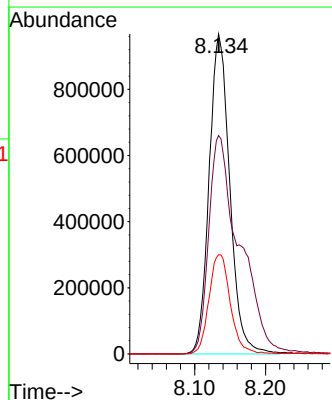
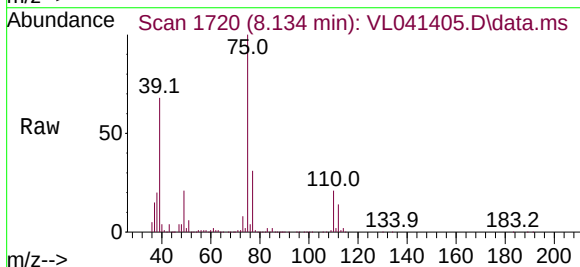
Instrument :
MSVOA_L
ClientSampleId :

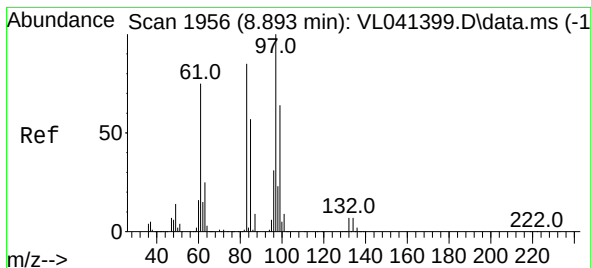
Tgt Ion: 75 Resp: 1508473
Ion Ratio Lower Upper
75 100
77 32.8 26.5 39.7



#46
cis-1,3-Dichloropropene
Concen: 22.219 ppbv
RT: 8.134 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion: 75 Resp: 1956016
Ion Ratio Lower Upper
75 100
39 68.2 57.3 85.9
77 31.0 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 12.721 ppbv

RT: 8.893 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 1451859

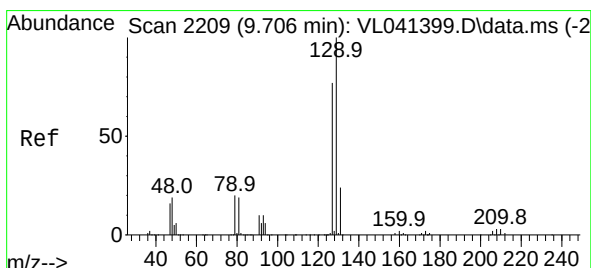
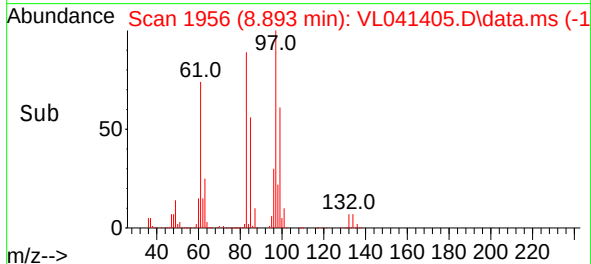
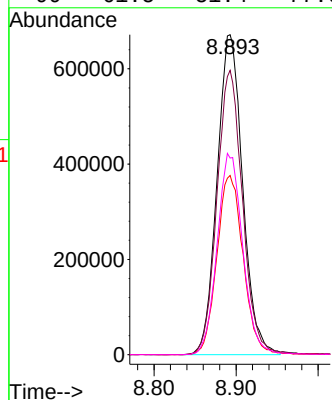
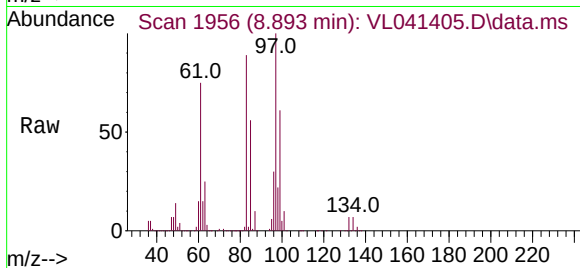
Ion Ratio Lower Upper

97 100

83 88.8 67.6 101.4

85 56.0 45.9 68.9

99 61.5 51.4 77.0



#48

Dibromochloromethane

Concen: 13.707 ppbv

RT: 9.706 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VL041405.D

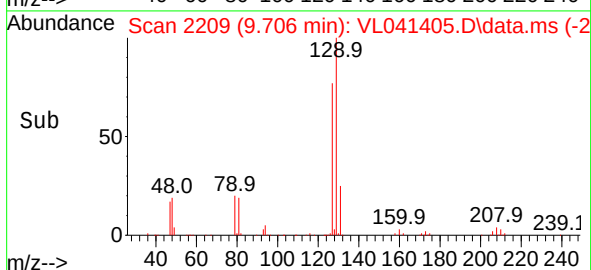
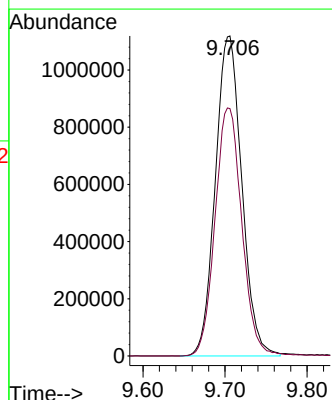
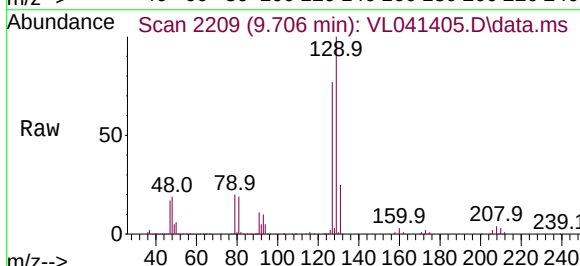
Acq: 25 Jul 2024 18:06

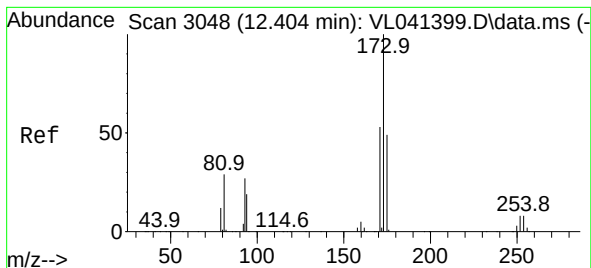
Tgt Ion:129 Resp: 2512083

Ion Ratio Lower Upper

129 100

127 78.8 39.3 117.8





#49

Bromoform

Concen: 15.143 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

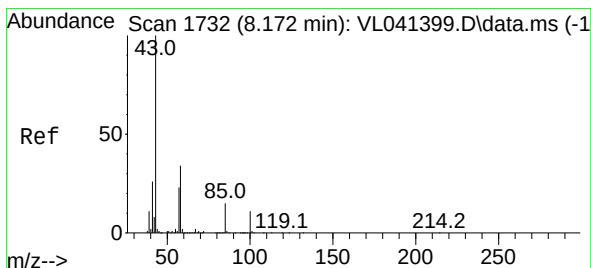
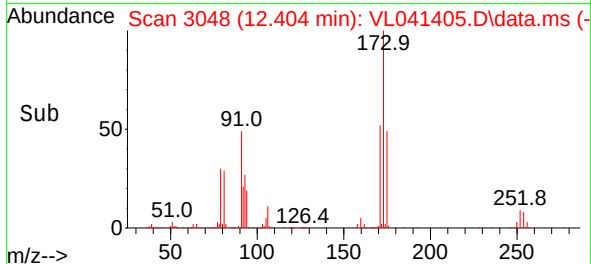
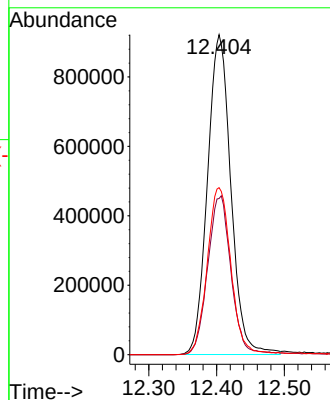
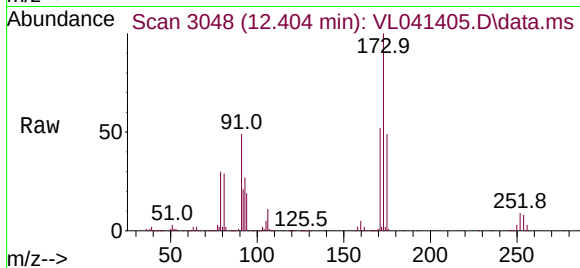
Tgt Ion:173 Resp: 2210280

Ion Ratio Lower Upper

173 100

175 50.1 39.9 59.9

171 53.1 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 13.505 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. -0.003 min

Lab File: VL041405.D

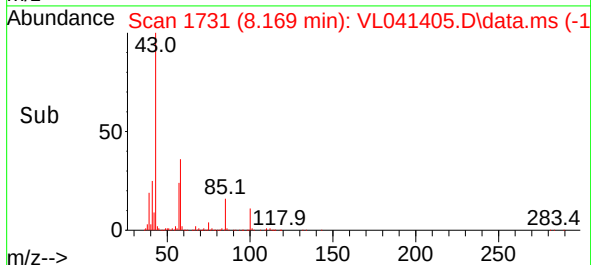
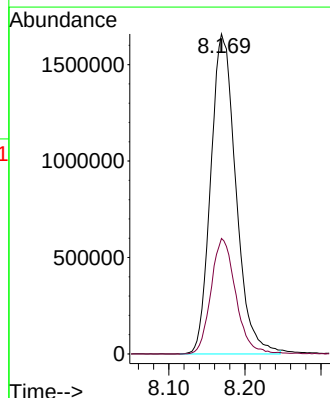
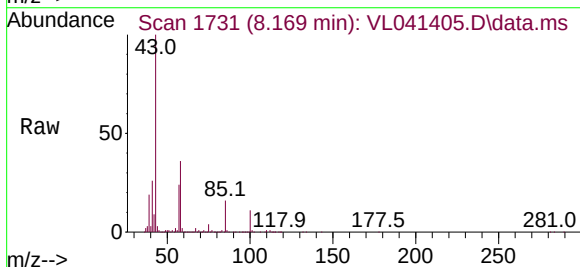
Acq: 25 Jul 2024 18:06

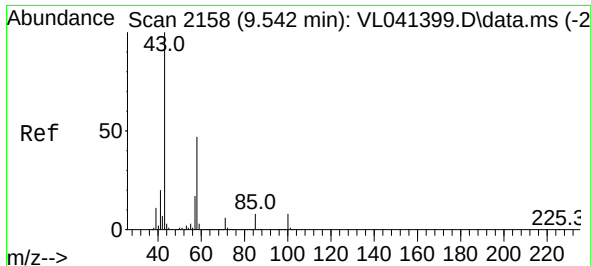
Tgt Ion: 43 Resp: 3807510

Ion Ratio Lower Upper

43 100

58 35.7 27.9 41.9

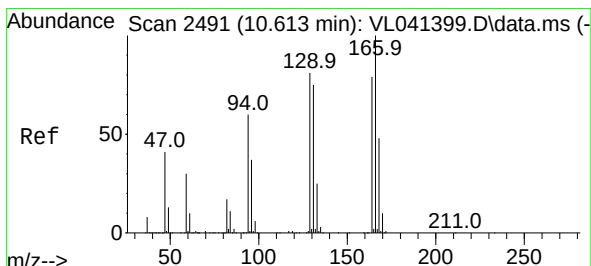
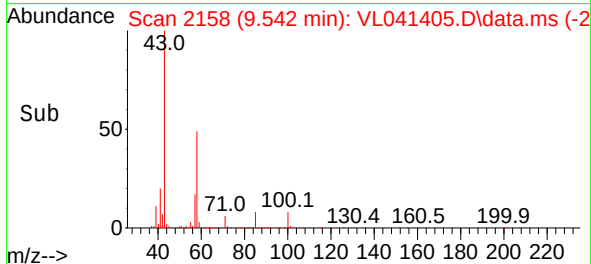
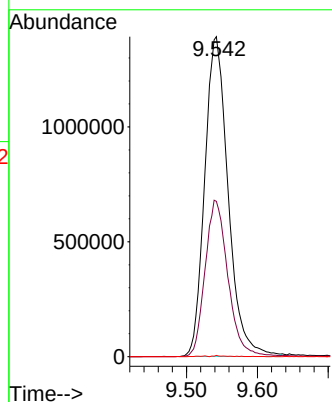
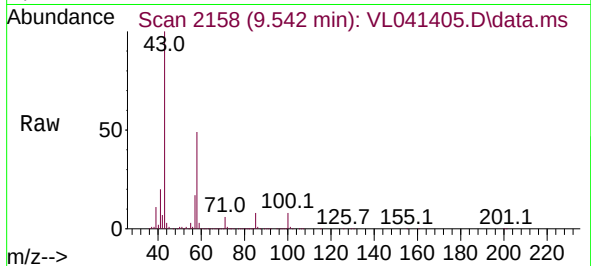




#51
2-Hexanone
Concen: 15.936 ppbv
RT: 9.542 min Scan# 2158
Delta R.T. -0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

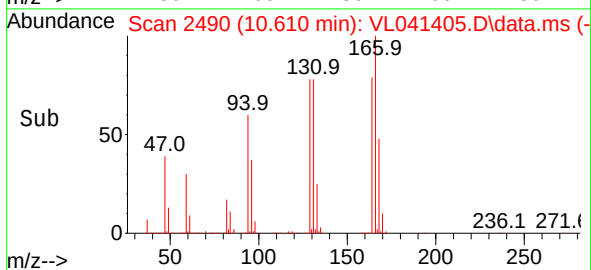
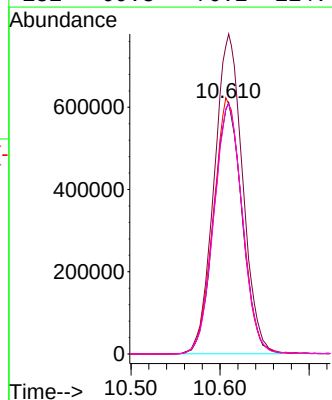
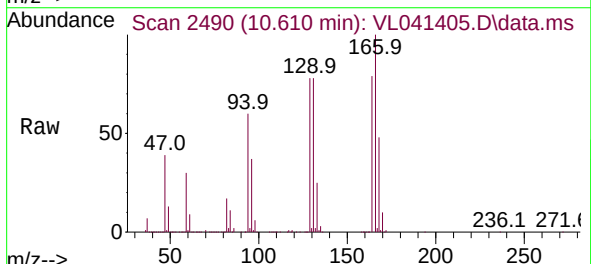
Instrument :
MSVOA_L
ClientSampleId :

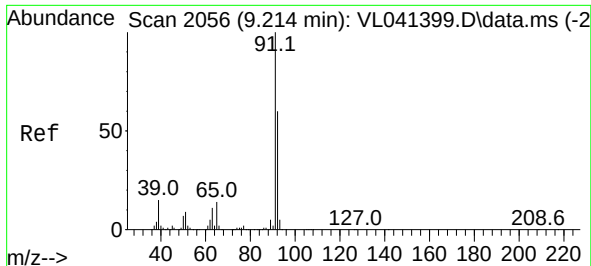
Tgt Ion: 43 Resp: 3193628
Ion Ratio Lower Upper
43 100
58 48.0 38.2 57.2
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 12.202 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion:164 Resp: 1349134
Ion Ratio Lower Upper
164 100
166 127.3 101.1 151.7
129 99.3 81.7 122.5
131 99.3 76.2 114.4





#53

Toluene

Concen: 13.210 ppbv

RT: 9.214 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

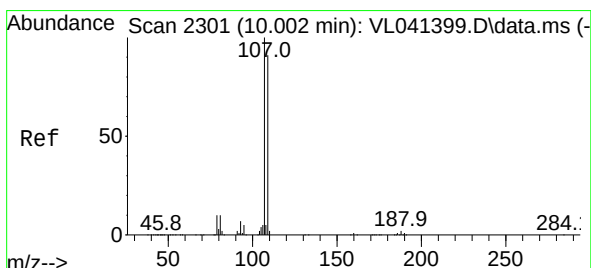
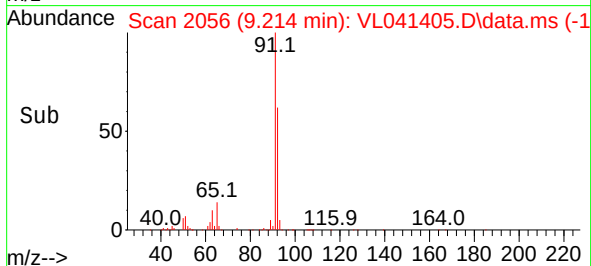
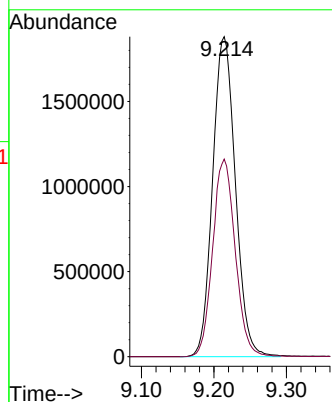
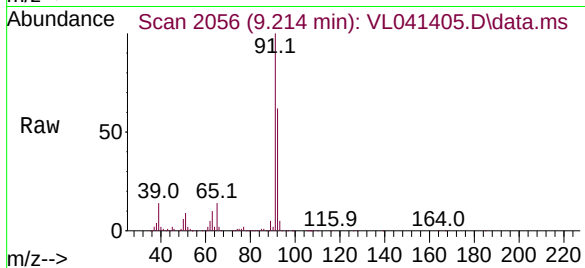
ClientSampleId :

Tgt Ion: 91 Resp: 4102245

Ion Ratio Lower Upper

91 100

92 61.4 48.7 73.1



#54

1,2-Dibromoethane

Concen: 15.154 ppbv

RT: 10.002 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VL041405.D

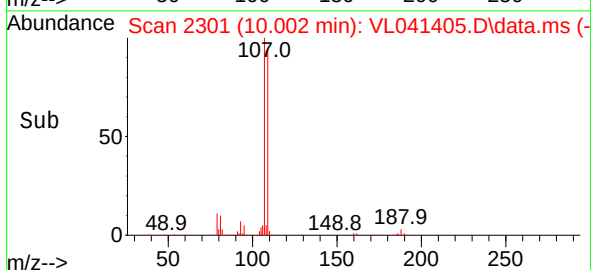
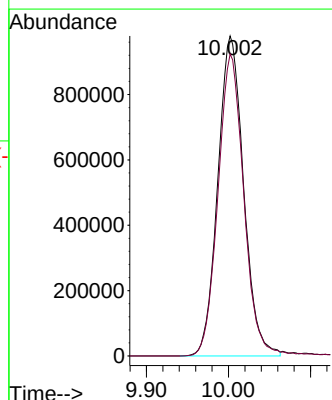
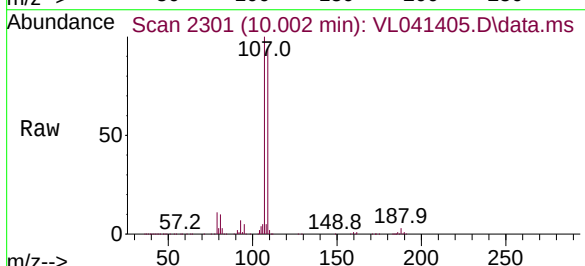
Acq: 25 Jul 2024 18:06

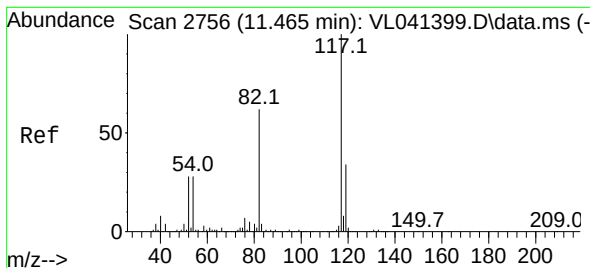
Tgt Ion:107 Resp: 2140365

Ion Ratio Lower Upper

107 100

109 94.4 72.7 109.1

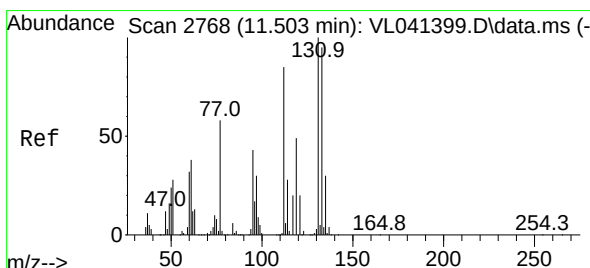
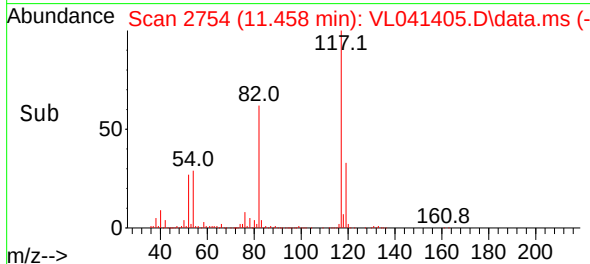
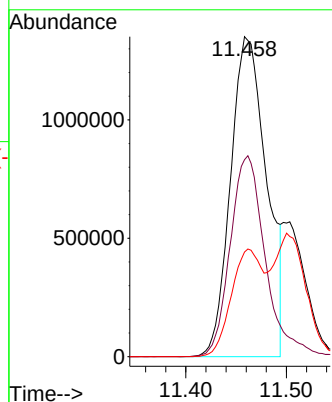
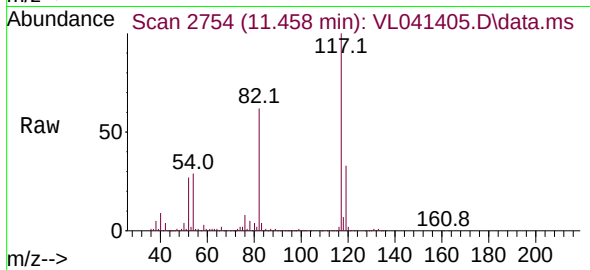




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

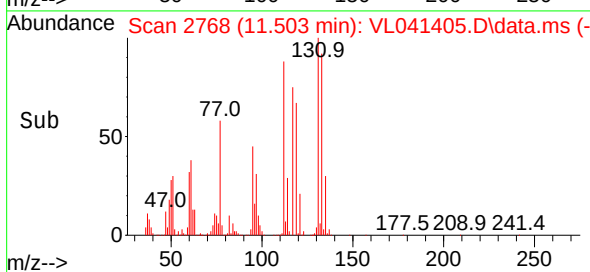
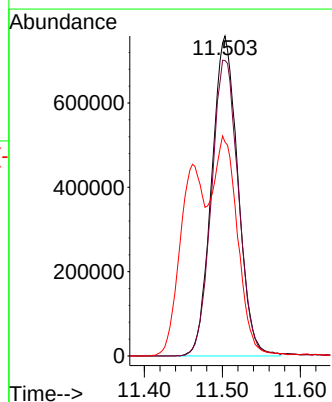
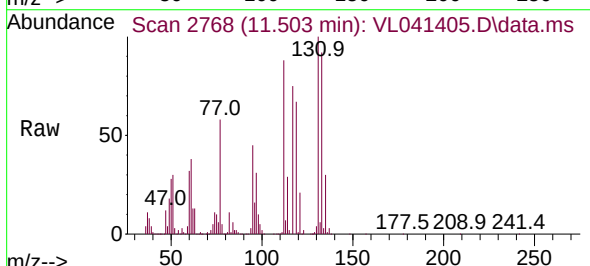
Instrument :
MSVOA_L
ClientSampleId :

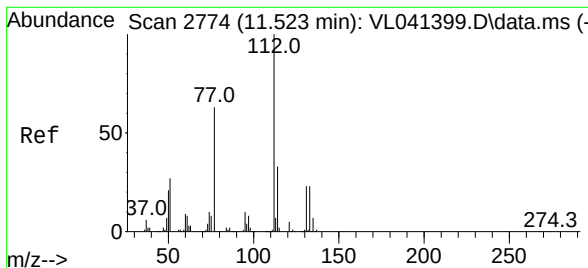
Tgt Ion:117 Resp: 3365868
Ion Ratio Lower Upper
117 100
82 61.8 51.0 76.6
119 30.2 45.2 67.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 11.753 ppbv
RT: 11.503 min Scan# 2768
Delta R.T. 0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion:131 Resp: 1780102
Ion Ratio Lower Upper
131 100
133 95.7 77.0 115.4
119 64.9 121.5 182.3#

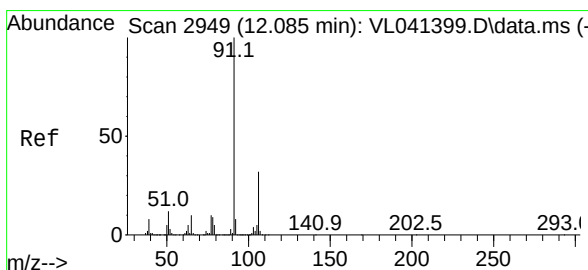
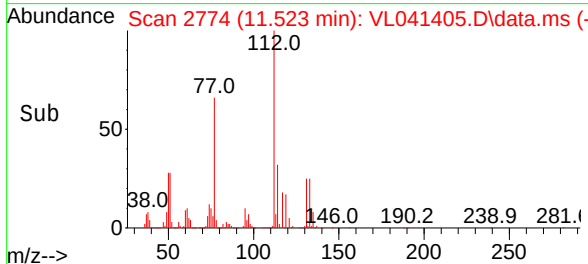
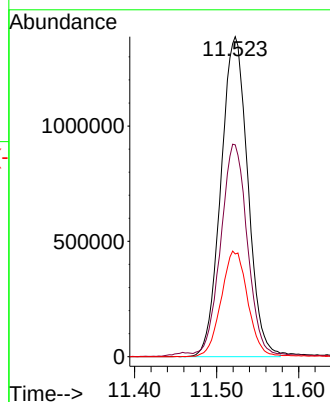
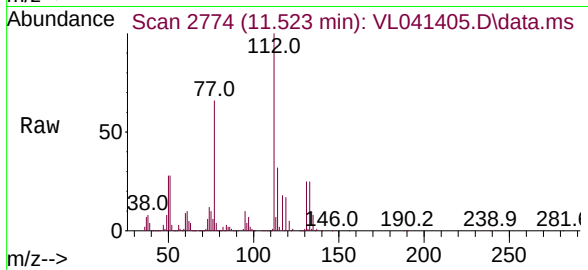




#57
Chlorobenzene
Concen: 11.963 ppbv
RT: 11.523 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

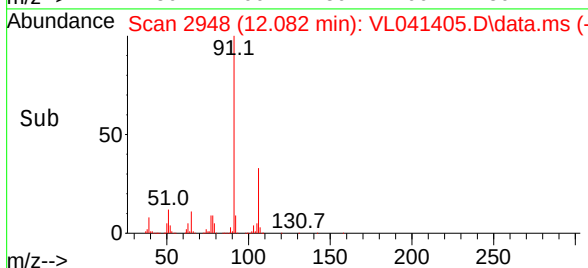
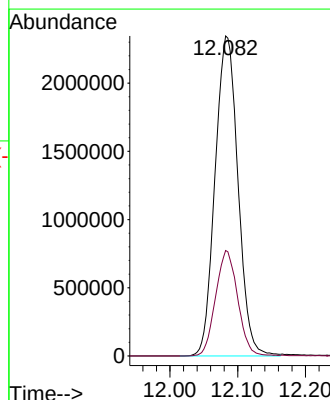
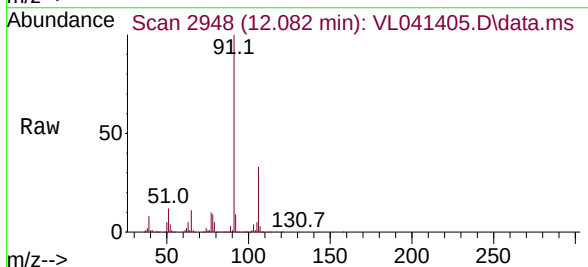
Instrument :
MSVOA_L
ClientSampleId :

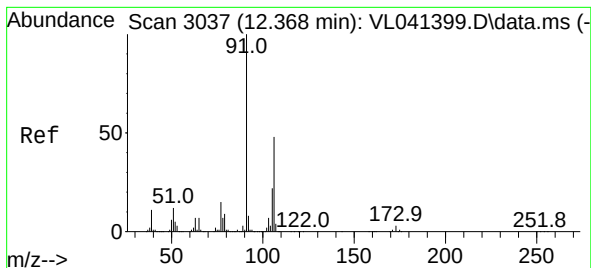
Tgt Ion:112 Resp: 3158639
Ion Ratio Lower Upper
112 100
77 65.2 51.1 76.7
114 32.1 29.5 36.1



#58
Ethyl Benzene
Concen: 12.242 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion: 91 Resp: 5512808
Ion Ratio Lower Upper
91 100
106 32.9 25.8 38.8

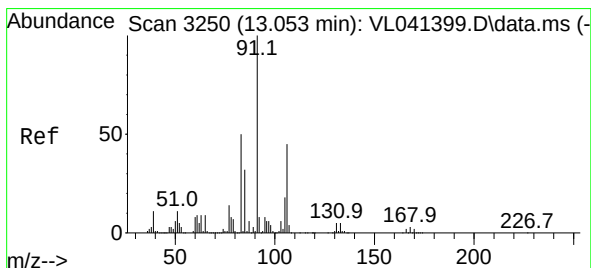
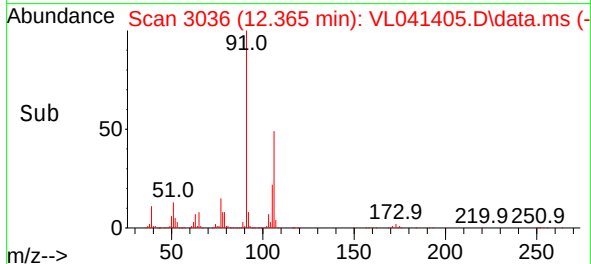
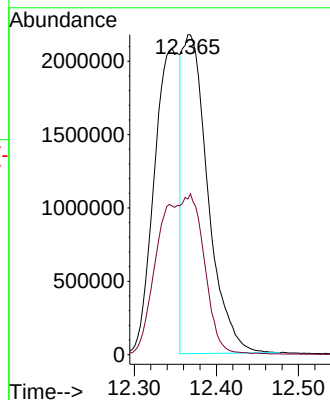
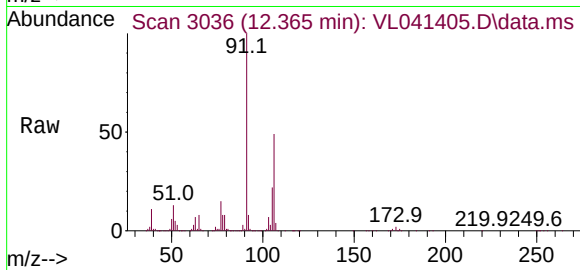




#59
m/p-Xylene
Concen: 12.054 ppbv
RT: 12.365 min Scan# 3036
Delta R.T. -0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

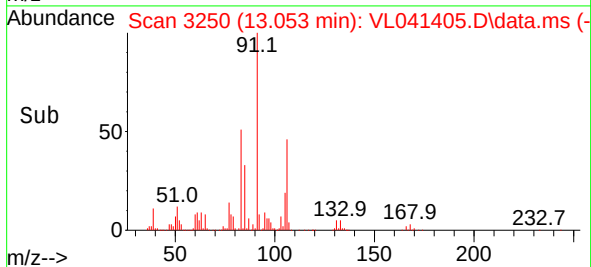
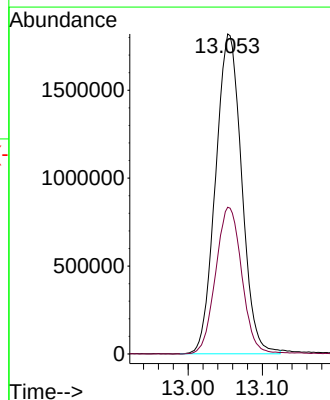
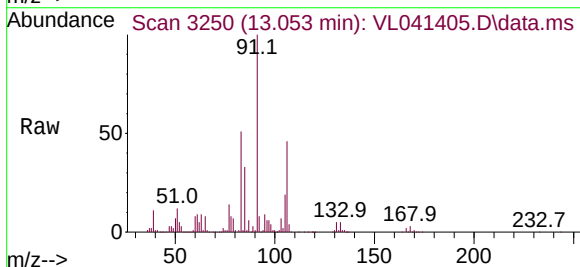
Instrument :
MSVOA_L
ClientSampleId :

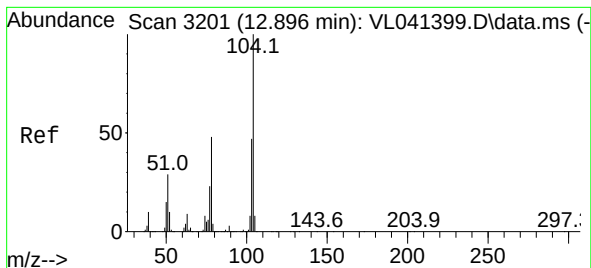
Tgt Ion: 91 Resp: 4697570
Ion Ratio Lower Upper
91 100
106 91.4 36.3 54.5#



#60
o-Xylene
Concen: 12.076 ppbv
RT: 13.053 min Scan# 3250
Delta R.T. -0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion: 91 Resp: 4441698
Ion Ratio Lower Upper
91 100
106 46.4 23.1 69.3





#61

Styrene

Concen: 12.864 ppbv

RT: 12.892 min Scan# 31

Delta R.T. -0.003 min MSVOA_L

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

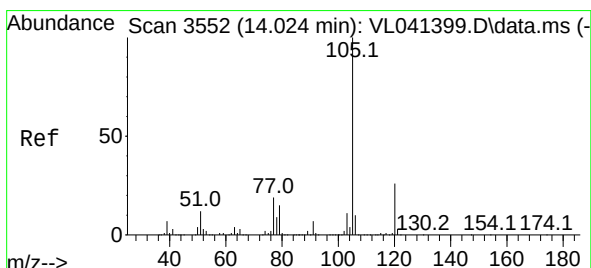
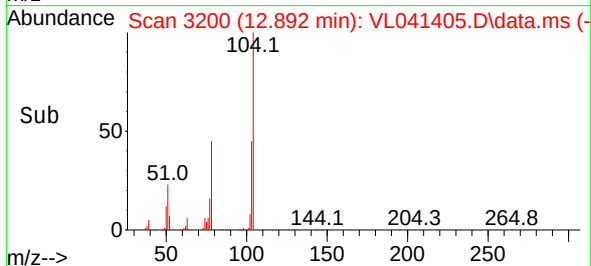
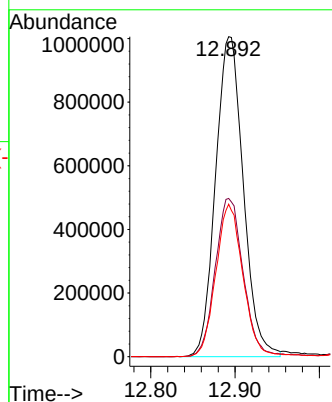
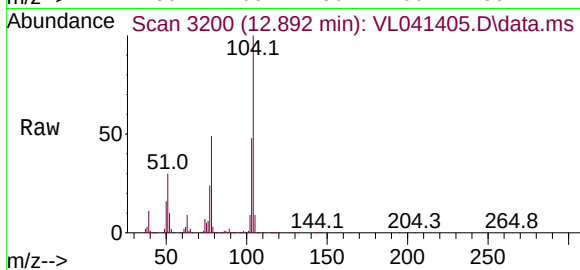
Tgt Ion:104 Resp: 2297760

Ion Ratio Lower Upper

104 100

78 50.2 40.8 61.2

103 46.9 38.2 57.4



#62

Isopropylbenzene

Concen: 11.295 ppbv

RT: 14.027 min Scan# 3553

Delta R.T. 0.003 min

Lab File: VL041405.D

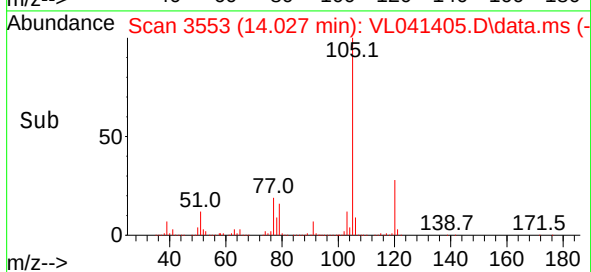
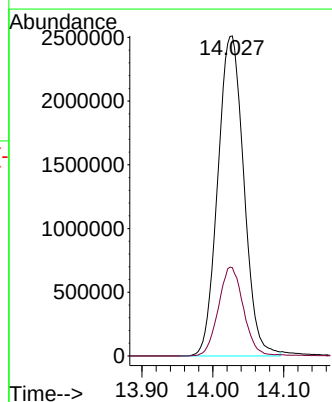
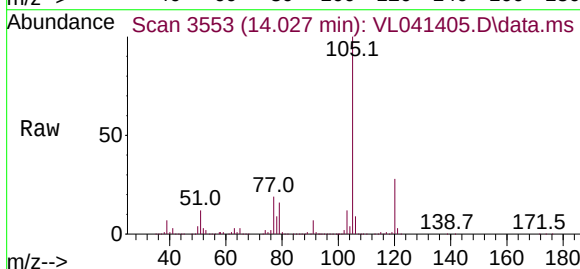
Acq: 25 Jul 2024 18:06

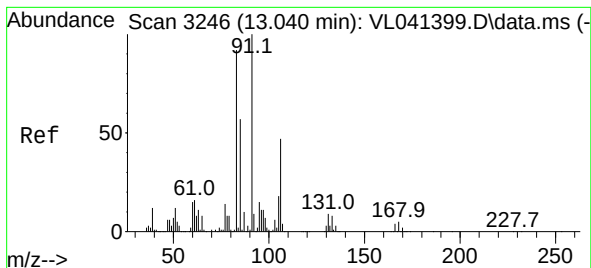
Tgt Ion:105 Resp: 6413793

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.4

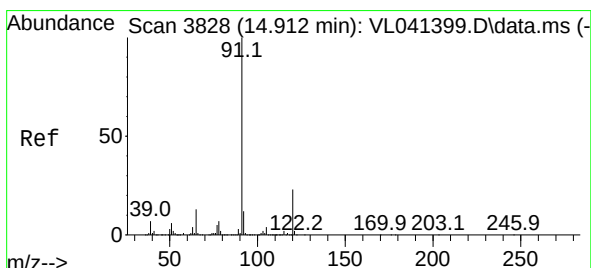
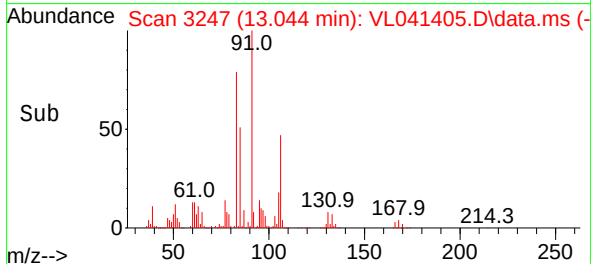
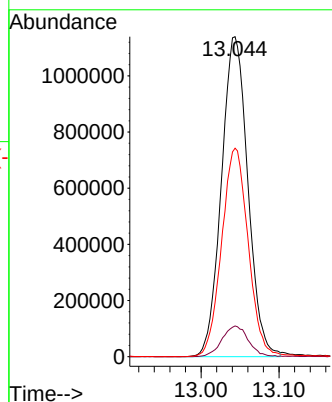
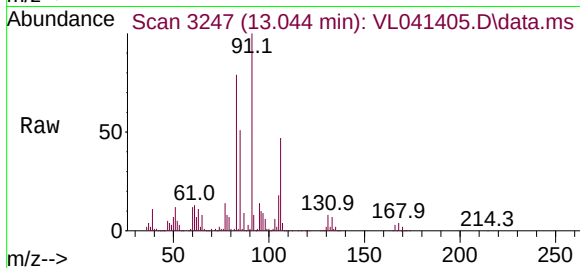




#63
1,1,2,2-Tetrachloroethane
Concen: 9.287 ppbv
RT: 13.044 min Scan# 3246
Delta R.T. 0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

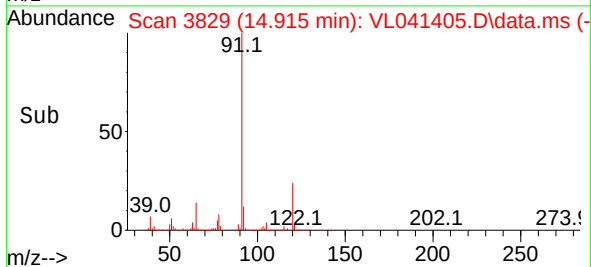
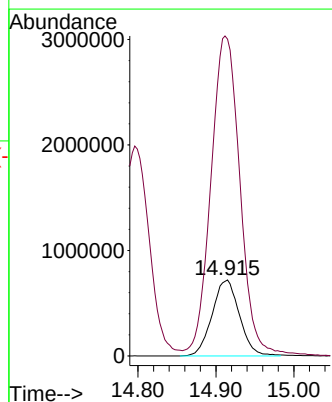
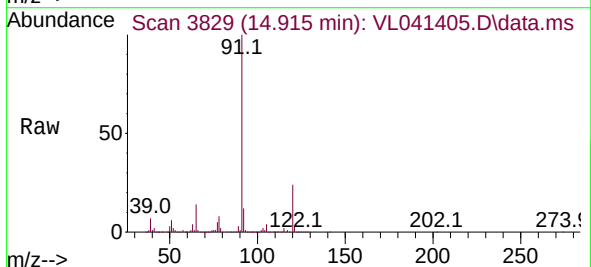
Instrument :
MSVOA_L
ClientSampleId :

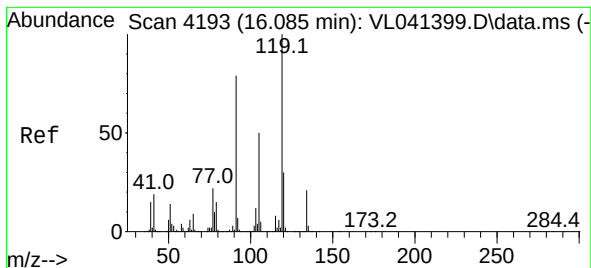
Tgt Ion: 83 Resp: 2691069
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.4
85 65.8 32.6 98.0



#64
n-propylbenzene
Concen: 11.826 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion:120 Resp: 1752978
Ion Ratio Lower Upper
120 100
91 450.7 361.4 542.0





#65

tert-Butylbenzene

Concen: 11.366 ppbv

RT: 16.088 min Scan# 4193

Delta R.T. 0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

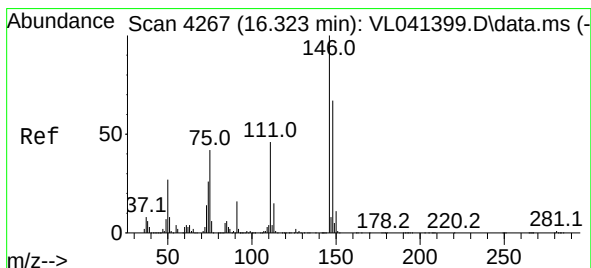
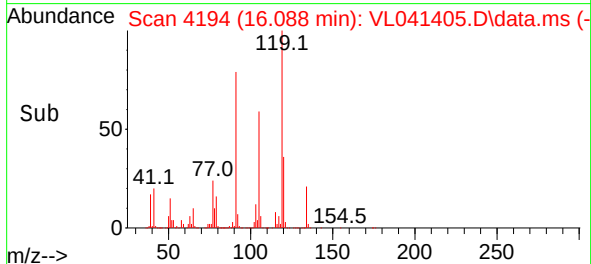
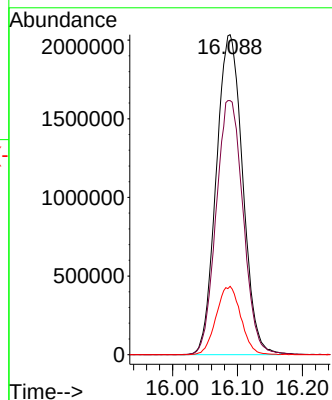
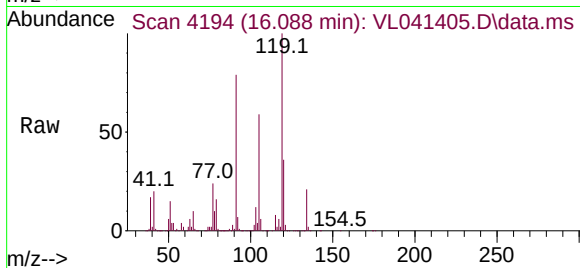
Tgt Ion:119 Resp: 5746630

Ion Ratio Lower Upper

119 100

91 81.2 64.2 96.2

134 20.0 15.7 23.5



#66

Benzyl Chloride

Concen: 14.686 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

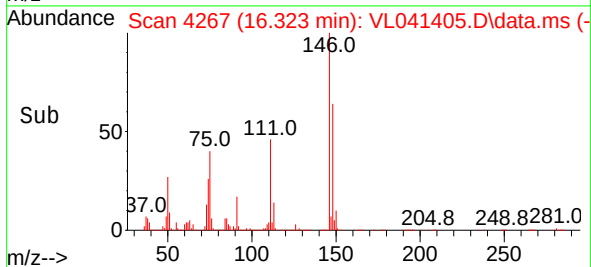
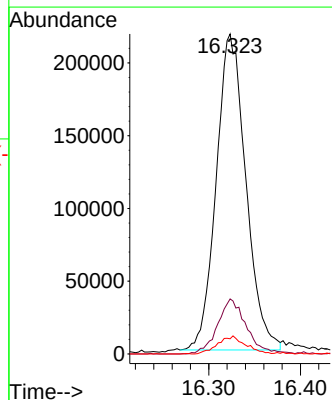
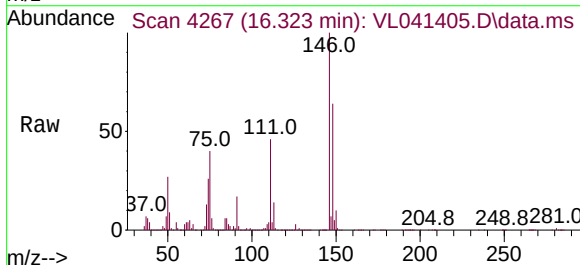
Tgt Ion: 91 Resp: 487926

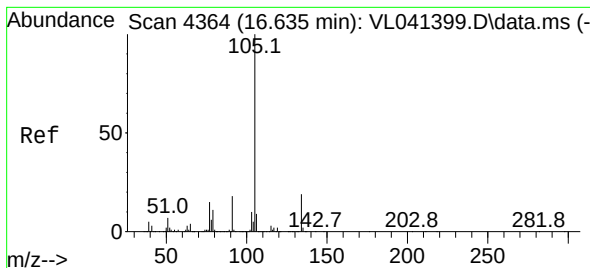
Ion Ratio Lower Upper

91 100

126 16.9 13.8 20.8

128 5.6 4.4 6.6





#67

sec-Butylbenzene

Concen: 11.201 ppbv

RT: 16.632 min Scan# 4364

Delta R.T. -0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

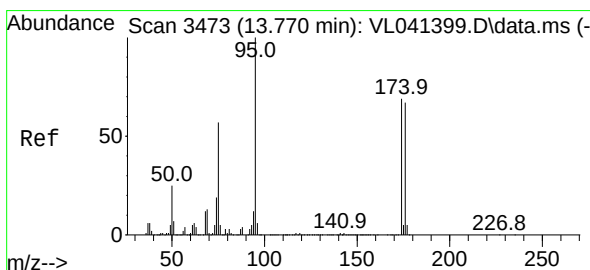
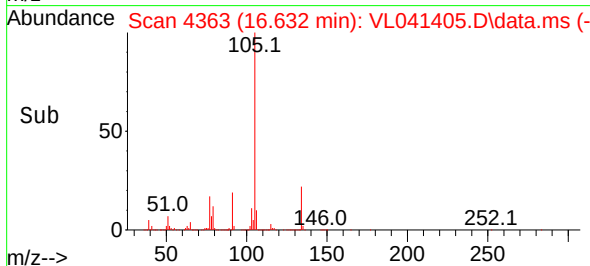
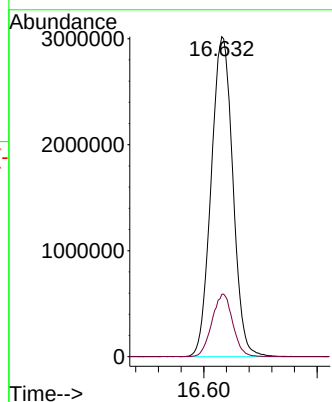
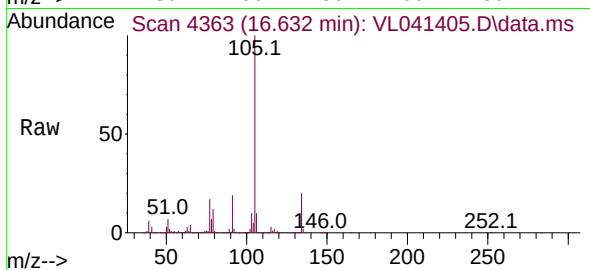
ClientSampleId :

Tgt Ion:105 Resp: 8009840

Ion Ratio Lower Upper

105 100

134 18.8 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.970 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

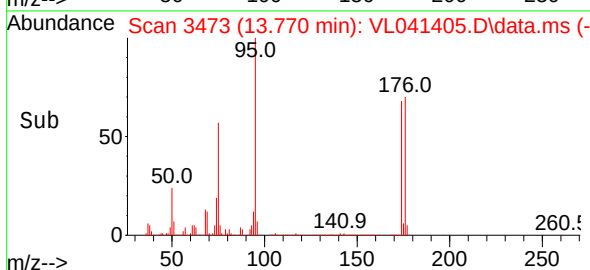
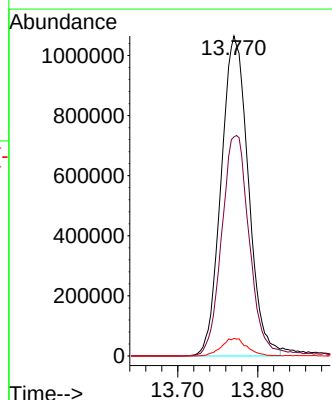
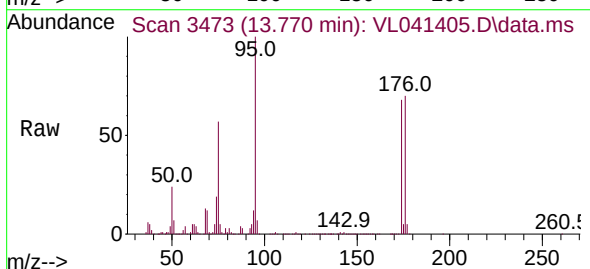
Tgt Ion: 95 Resp: 2515088

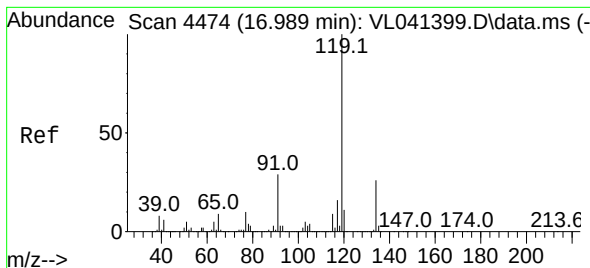
Ion Ratio Lower Upper

95 100

174 71.4 56.3 84.5

175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 11.508 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. 0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

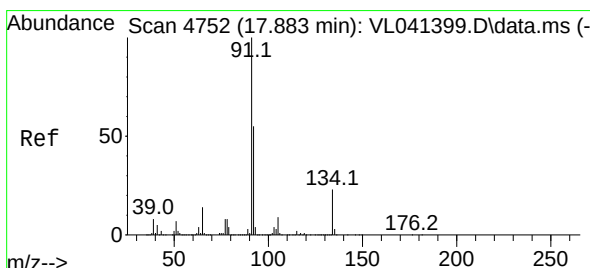
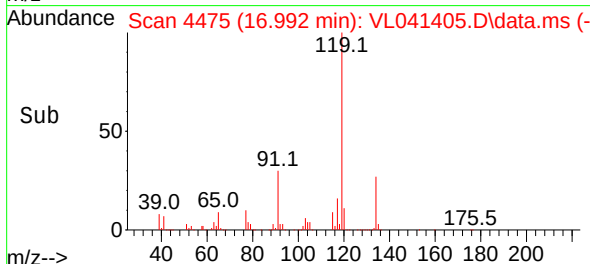
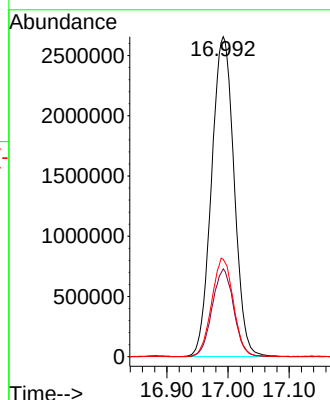
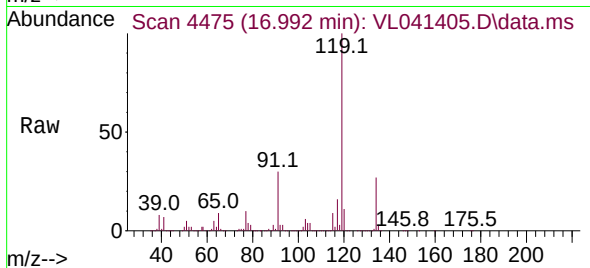
Tgt Ion:119 Resp: 6796381

Ion Ratio Lower Upper

119 100

134 26.2 20.5 30.7

91 29.8 23.2 34.8



#70

n-Butylbenzene

Concen: 11.589 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

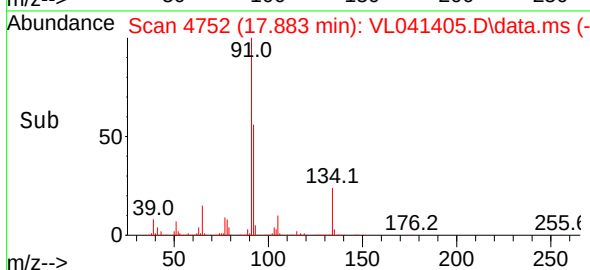
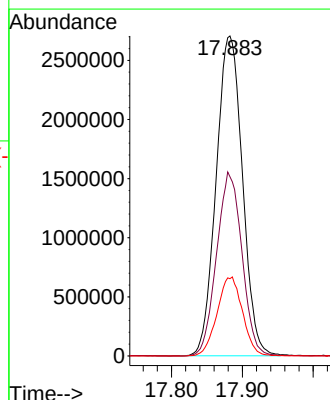
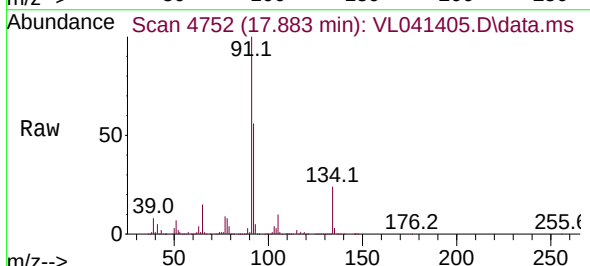
Tgt Ion: 91 Resp: 6996243

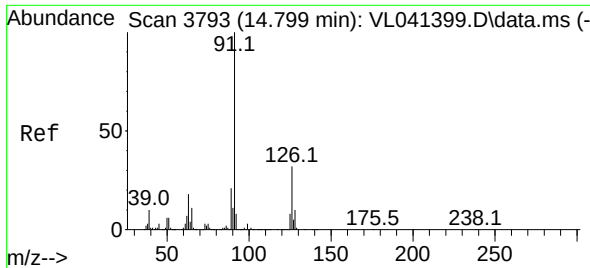
Ion Ratio Lower Upper

91 100

92 55.3 43.2 64.8

134 23.9 18.5 27.7

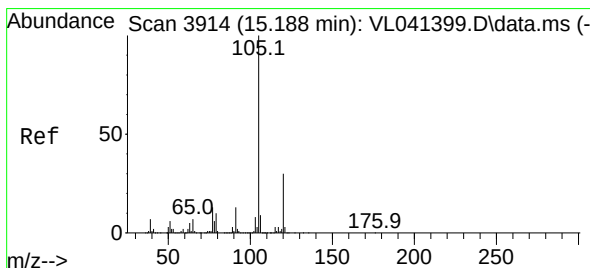
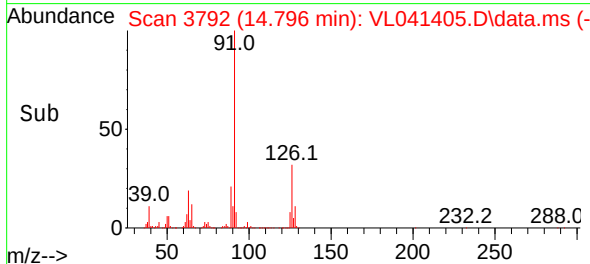
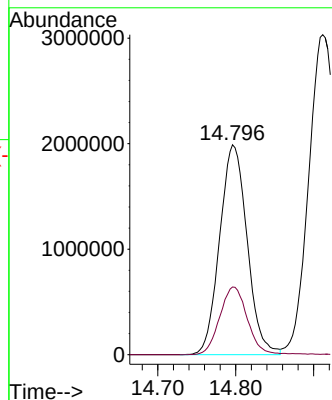
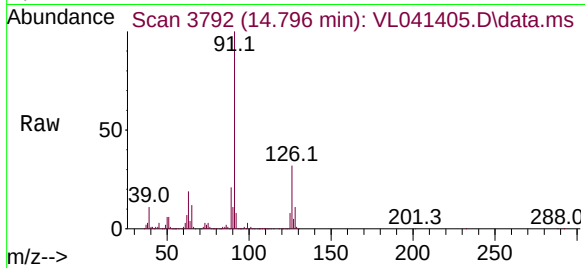




#71
2-Chlorotoluene
Concen: 11.557 ppbv
RT: 14.796 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

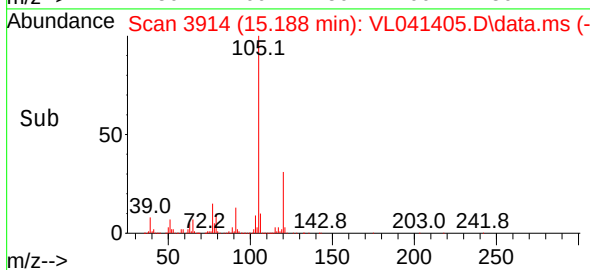
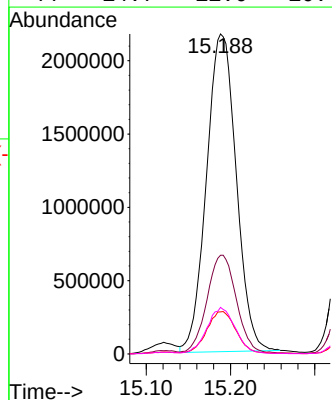
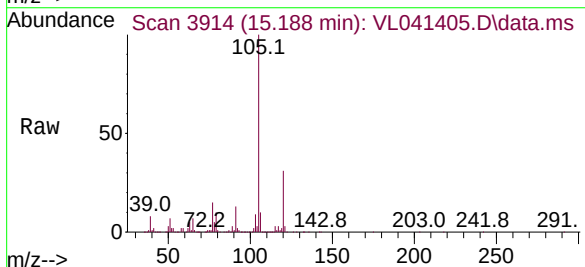
Instrument :
MSVOA_L
ClientSampleId :

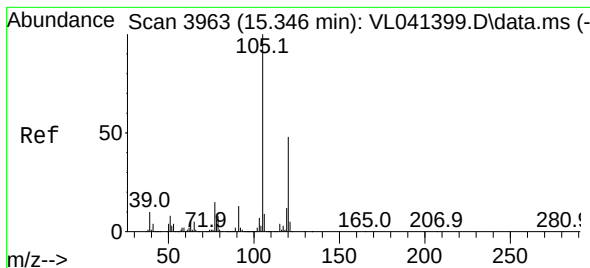
Tgt Ion: 91 Resp: 4875167
Ion Ratio Lower Upper
91 100
126 32.9 12.7 50.9



#72
4-Ethyltoluene
Concen: 12.144 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL041405.D
Acq: 25 Jul 2024 18:06

Tgt Ion:105 Resp: 5320289
Ion Ratio Lower Upper
105 100
120 32.2 24.2 36.2
91 14.0 10.4 15.6
77 14.7 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 12.234 ppbv

RT: 15.349 min Scan# 3963

Delta R.T. 0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

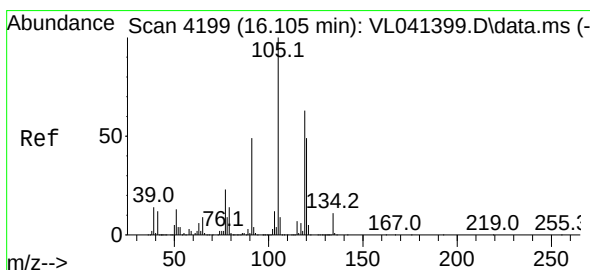
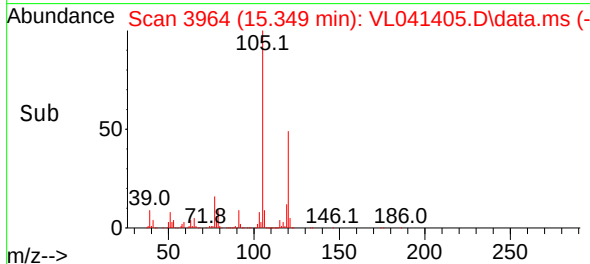
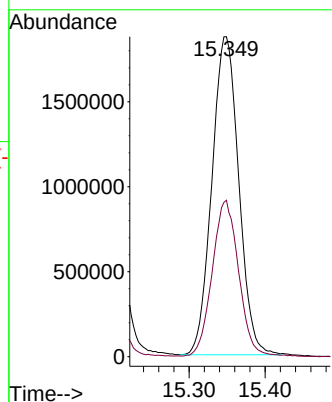
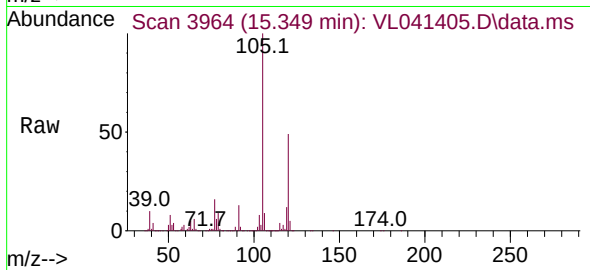
ClientSampleId :

Tgt Ion:105 Resp: 4587750

Ion Ratio Lower Upper

105 100

120 49.0 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 11.990 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Tgt Ion:105 Resp: 5066348

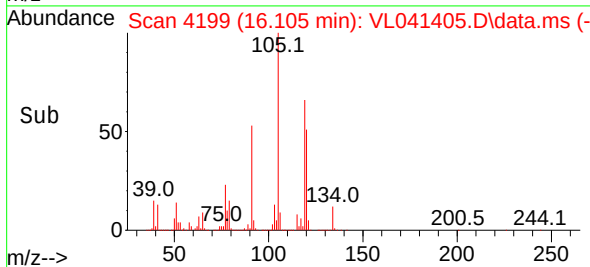
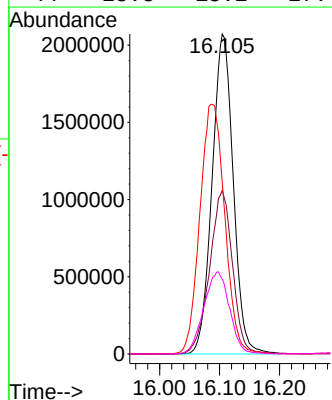
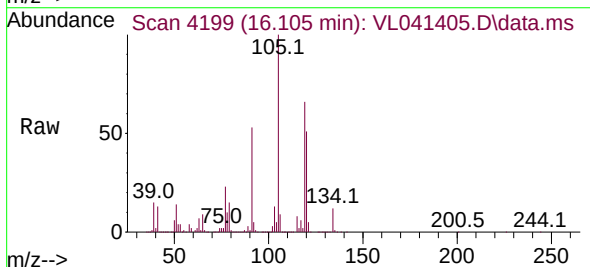
Ion Ratio Lower Upper

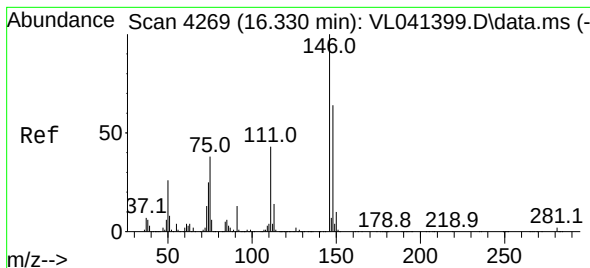
105 100

120 51.0 39.5 59.3

91 53.3 39.8 59.8

77 23.3 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 12.778 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

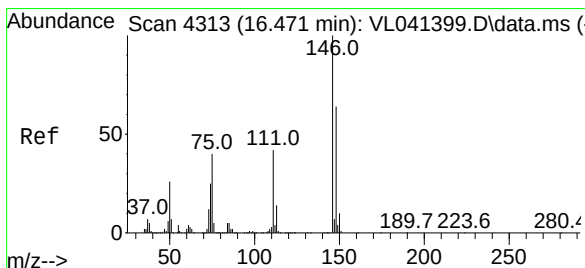
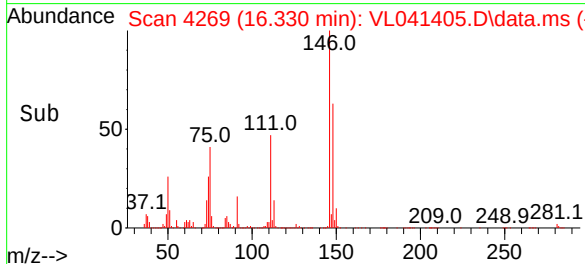
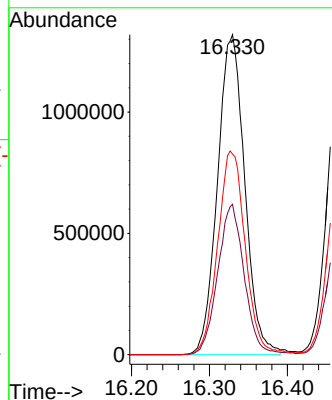
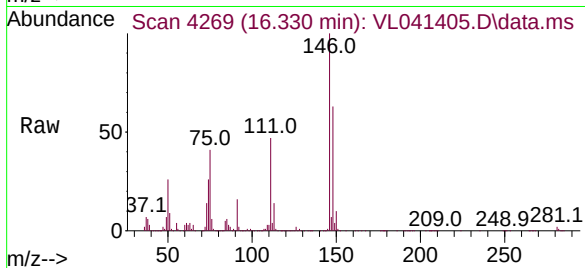
Tgt Ion:146 Resp: 3202871

Ion Ratio Lower Upper

146 100

111 45.8 22.6 67.8

148 64.6 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 12.585 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

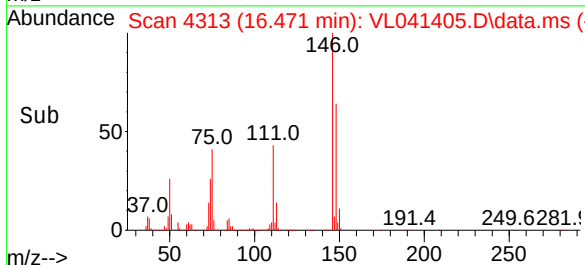
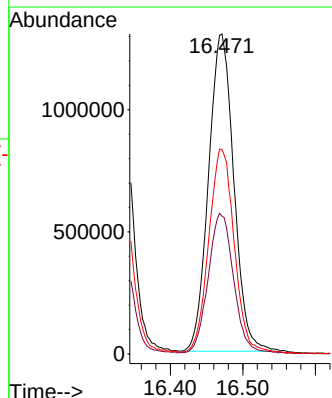
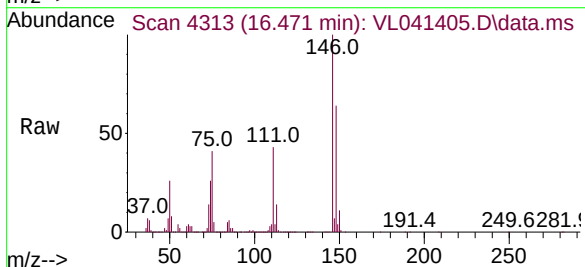
Tgt Ion:146 Resp: 3142958

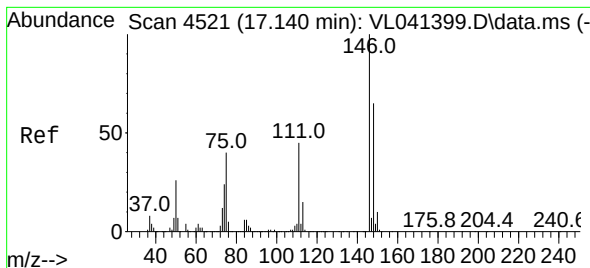
Ion Ratio Lower Upper

146 100

111 44.9 22.4 67.0

148 65.9 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 12.137 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. -0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

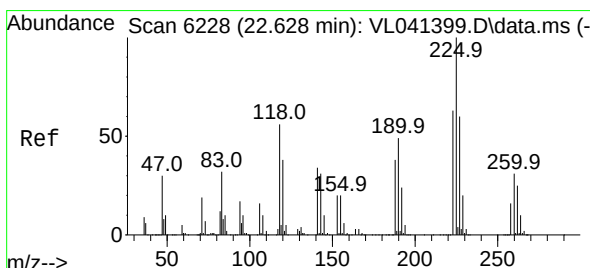
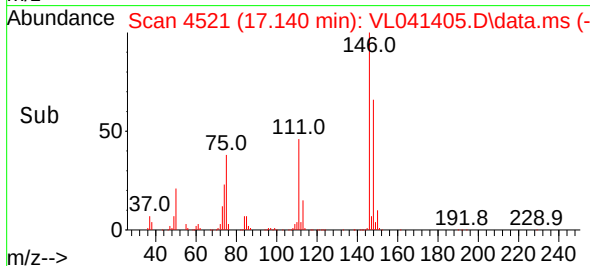
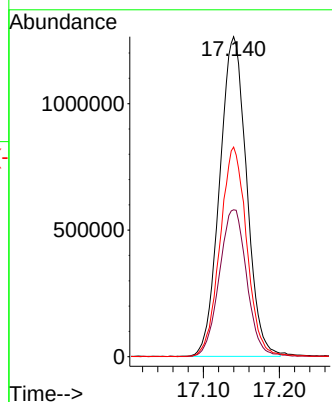
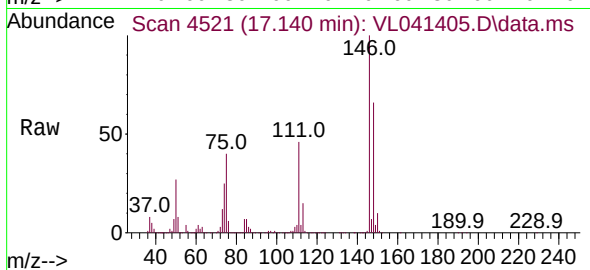
Tgt Ion:146 Resp: 3101661

Ion Ratio Lower Upper

146 100

111 47.2 23.4 70.0

148 65.4 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 13.150 ppbv

RT: 22.628 min Scan# 6228

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

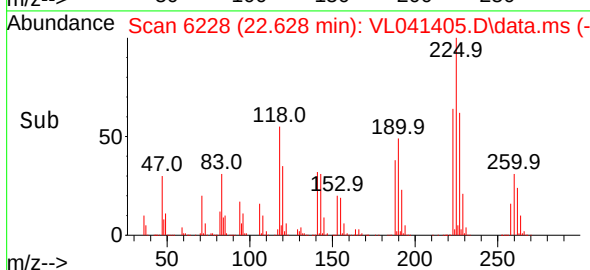
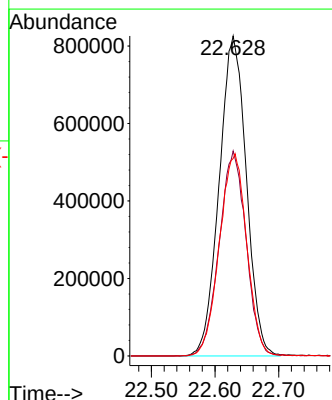
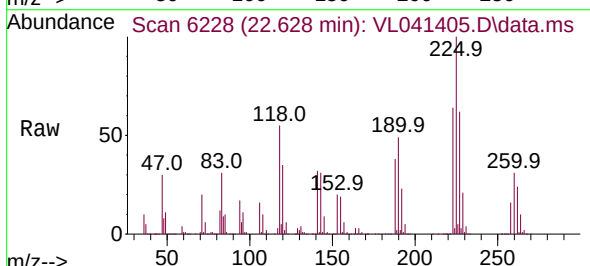
Tgt Ion:225 Resp: 2444092

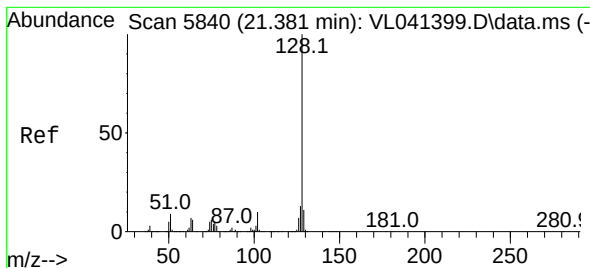
Ion Ratio Lower Upper

225 100

223 63.7 50.6 76.0

227 63.9 50.8 76.2





#79

Naphthalene

Concen: 24.347 ppbv

RT: 21.381 min Scan# 5840

Delta R.T. 0.000 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

Instrument :

MSVOA_L

ClientSampleId :

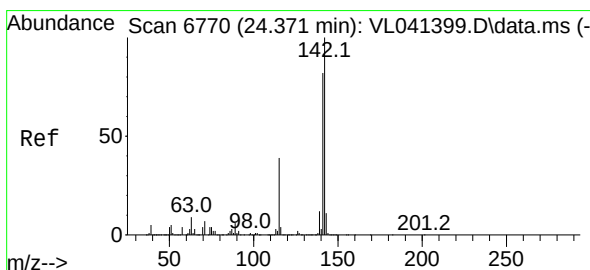
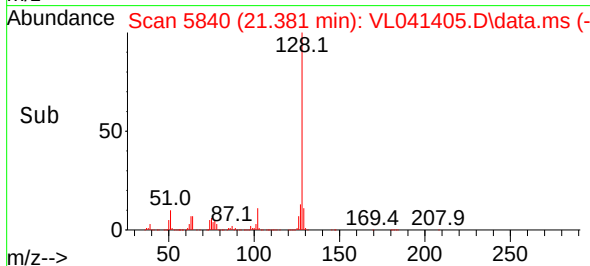
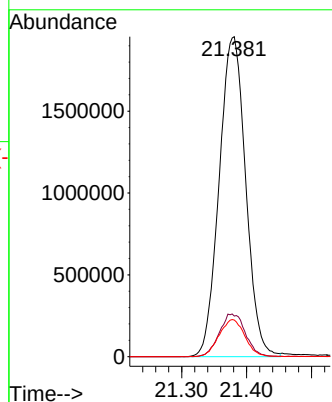
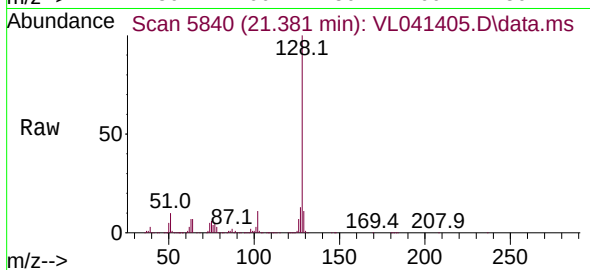
Tgt Ion:128 Resp: 5532989

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 11.4 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 8744.993 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. -0.003 min

Lab File: VL041405.D

Acq: 25 Jul 2024 18:06

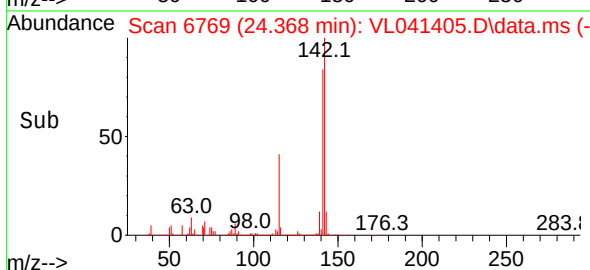
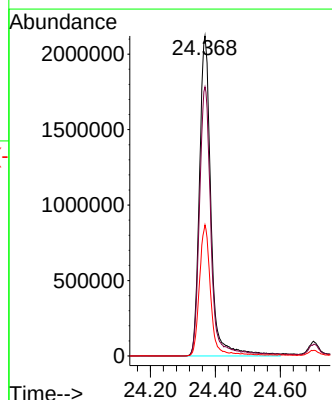
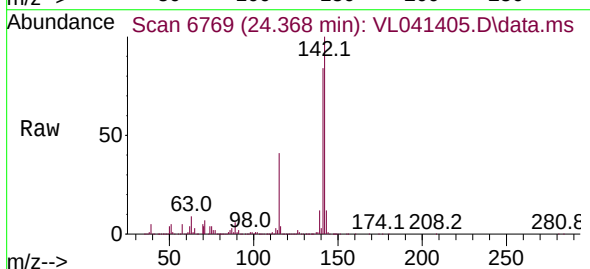
Tgt Ion:142 Resp: 5230189

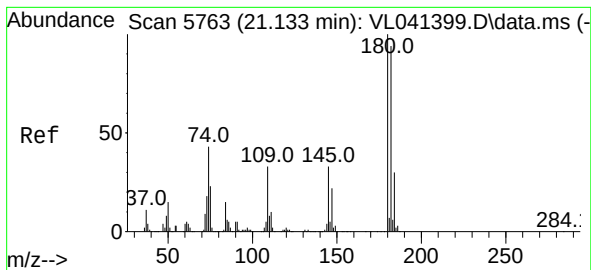
Ion Ratio Lower Upper

142 100

141 84.0 67.0 100.4

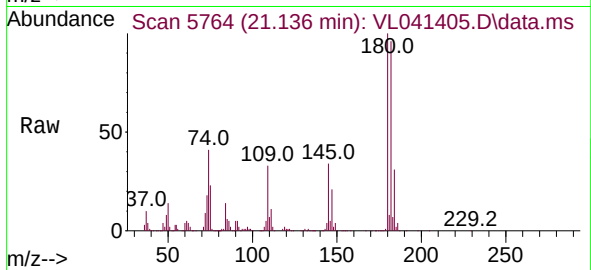
115 40.3 32.2 48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 20.588 ppbv
 RT: 21.136 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL041405.D
 Acq: 25 Jul 2024 18:06

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 2891669

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
184	31.3	24.5	36.7

