

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041400.D
 Acq On : 25 Jul 2024 14:40
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jul 26 02:42:16 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	1187869	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3361544	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3300753	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2521024	10.190	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.710	85	505198	2.492	ppbv	99
3) Chlorodifluoromethane	2.652	51	300375	1.467	ppbv	99
4) Chloromethane	2.793	50	163139	2.084	ppbv	96
5) Vinyl Chloride	2.899	62	155185	1.835	ppbv	99
6) Bromomethane	3.102	94	79103	2.956	ppbv	98
7) Chloroethane	3.176	64	53717	1.922	ppbv	94
8) Dichlorotetrafluoroethane	2.835	85	399415	2.027	ppbv	100
9) Propene	2.671	41	139773	1.972	ppbv	99
10) Heptane	7.568	43	325614	1.956	ppbv	100
11) Trichlorofluoromethane	3.546	101	388765	1.970	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	285420	2.064	ppbv	100
13) Ethanol	3.237	45	9290	0.591	ppbv #	34
14) Bromoethene	3.346	108	111081	2.003	ppbv	93
15) Acetone	3.456	43	292550	1.865	ppbv	99
16) 1,3-Butadiene	2.967	39	157764	2.113	ppbv	99
17) tert-Butyl alcohol	3.861	59	234318	1.936	ppbv	99
18) 1,1-Dichloroethene	3.861	96	122348	2.013	ppbv	97
19) Isopropyl Alcohol	3.600	45	4548	0.053	ppbv #	93
20) Methylene Chloride	3.915	84	105428	1.852	ppbv	98
21) Allyl Chloride	3.980	41	189033	1.998	ppbv	90
22) trans-1,2-Dichloroethene	4.427	96	122560	2.030	ppbv	90
23) Vinyl Acetate	4.613	43	223002	1.442	ppbv #	98
24) 1,1-Dichloroethane	4.546	63	265124	1.977	ppbv	98
25) Ethyl Acetate	5.192	43	597999	2.070	ppbv	99
26) Hexane	5.198	57	250786	1.961	ppbv	98
27) Carbon Disulfide	4.108	76	275637	1.771	ppbv	94
28) Methyl tert-Butyl Ether	4.578	73	154942	1.633	ppbv	97
29) Chloroform	5.259	83	394045	1.997	ppbv	99
30) Cyclohexane	6.587	84	207896	2.040	ppbv	93
31) cis-1,2-Dichloroethene	5.063	61	242910	1.981	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	375703	1.814	ppbv	97
34) 2-Butanone	4.774	43	355170	2.002	ppbv	98
35) Carbon Tetrachloride	6.481	117	395969	1.784	ppbv	98
36) Benzene	6.359	78	532213	1.913	ppbv	97
37) 1,2-Dichloroethane	5.793	62	287587	1.802	ppbv	98
38) Trichloroethene	7.282	130	234513	1.935	ppbv	93
39) 1,2-Dichloropropane	7.060	63	203420	1.892	ppbv	96
40) 1,4-Dioxane	7.288	88	71274	2.068	ppbv #	1
41) Tetrahydrofuran	5.552	42	207220	1.886	ppbv	99
42) Bromodichloromethane	7.237	83	418292	1.873	ppbv	98
43) Methyl Methacrylate	7.468	69	192639	1.843	ppbv	94
44) 2,2,4-Trimethylpentane	7.317	57	902570	1.909	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	166952	2.524	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041400.D
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

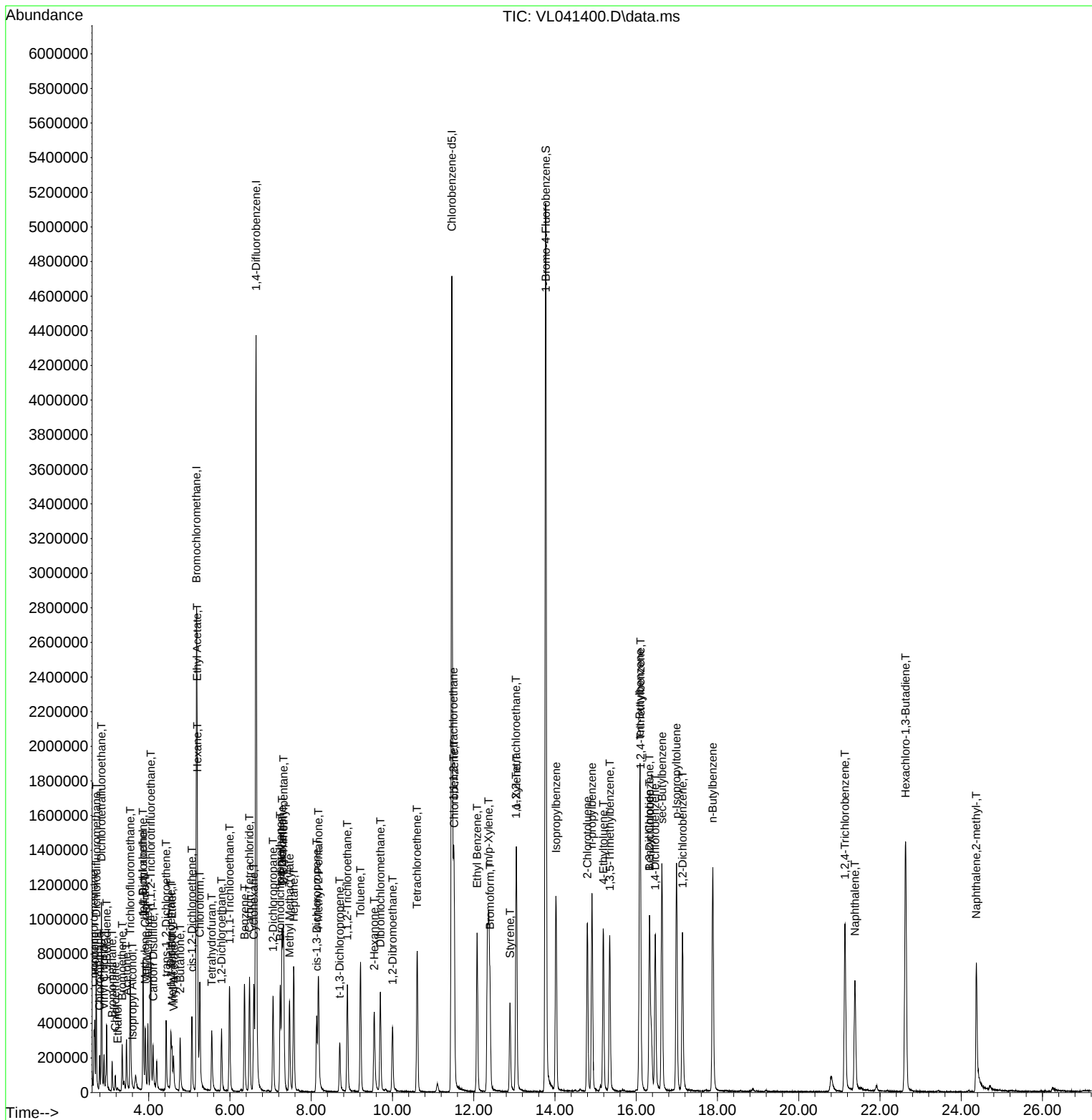
Instrument :
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 ClientSampleId :
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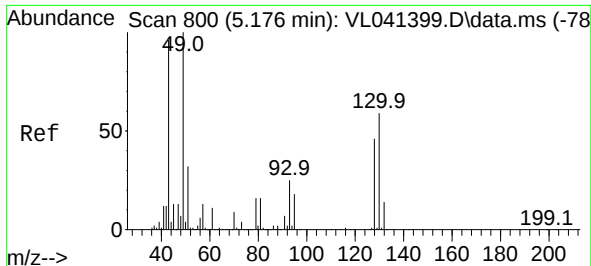
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	249911	2.810	ppbv	97
47) 1,1,2-Trichloroethane	8.889	97	224865	1.950	ppbv	94
48) Dibromochloromethane	9.703	129	353718	1.910	ppbv	100
49) Bromoform	12.401	173	305646	2.073	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	577958	2.029	ppbv	99
51) 2-Hexanone	9.555	43	430093	2.124	ppbv #	96
52) Tetrachloroethene	10.606	164	204374	1.829	ppbv	98
53) Toluene	9.214	91	597804	1.905	ppbv	100
54) 1,2-Dibromoethane	10.005	107	311374	2.182	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	272178	1.832	ppbv #	1
57) Chlorobenzene	11.520	112	500573	1.933	ppbv	96
58) Ethyl Benzene	12.082	91	833428	1.887	ppbv	96
59) m/p-Xylene	12.365	91	760843	1.991	ppbv #	39
60) o-Xylene	13.053	91	685320	1.900	ppbv	99
61) Styrene	12.896	104	308833	1.763	ppbv	99
62) Isopropylbenzene	14.027	105	1029899	1.850	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	428827	1.509	ppbv	98
64) n-propylbenzene	14.912	120	269236	1.852	ppbv	91
65) tert-Butylbenzene	16.085	119	956093	1.928	ppbv	100
66) Benzyl Chloride	16.326	91	18135	0.557	ppbv #	46
67) sec-Butylbenzene	16.635	105	1331315	1.898	ppbv	99
69) p-Isopropyltoluene	16.992	119	1105164	1.908	ppbv	100
70) n-Butylbenzene	17.886	91	1142994	1.931	ppbv	99
71) 2-Chlorotoluene	14.799	91	762002	1.842	ppbv	99
72) 4-Ethyltoluene	15.188	105	811504	1.889	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	707827	1.925	ppbv	95
74) 1,2,4-Trimethylbenzene	16.105	105	817315	1.972	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	506675	2.061	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	472957	1.931	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	506084	2.019	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	438766	2.407	ppbv	98
79) Naphthalene	21.384	128	826782	3.710	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	601537	1025.625	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	426225	3.095	ppbv	94

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

Quant Time: Jul 26 02:42:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_L\methods\VL072524AIR.M
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QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration

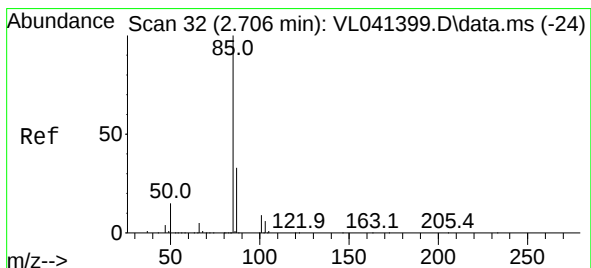
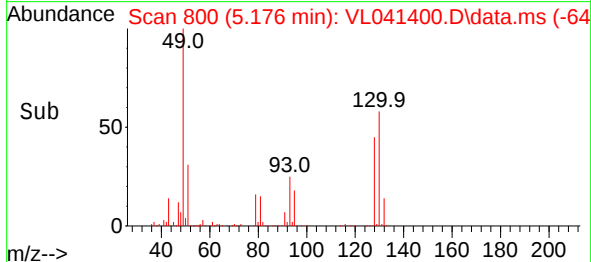
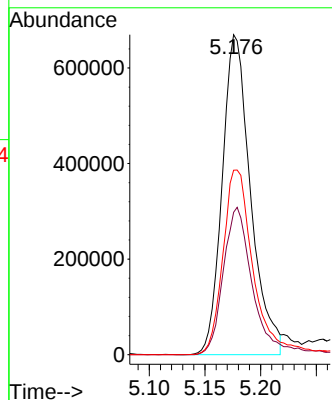
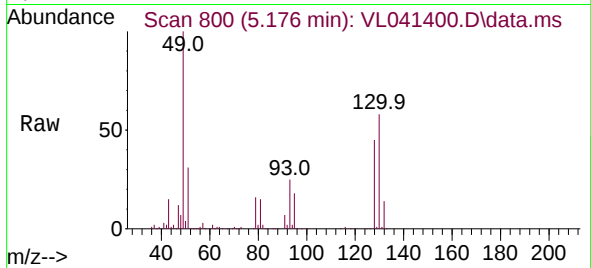




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

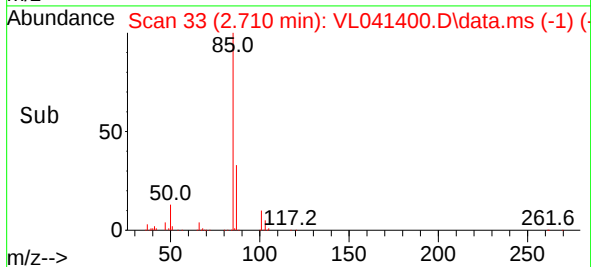
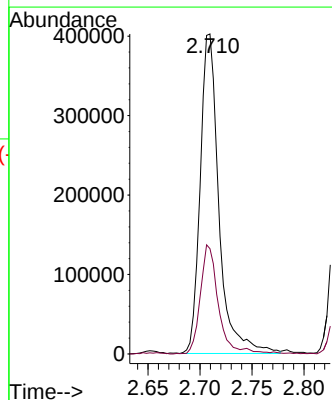
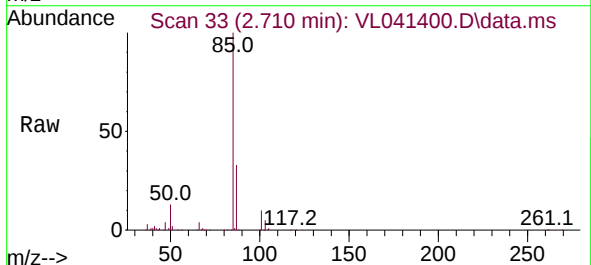
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

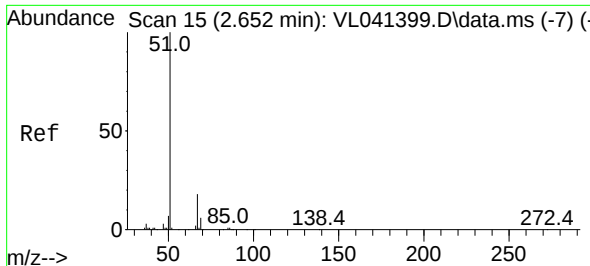
Tgt Ion: 49 Resp: 1187869
Ion Ratio Lower Upper
49 100
128 49.5 23.8 71.4
130 63.3 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 2.492 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion: 85 Resp: 505198
Ion Ratio Lower Upper
85 100
87 32.8 26.0 39.0

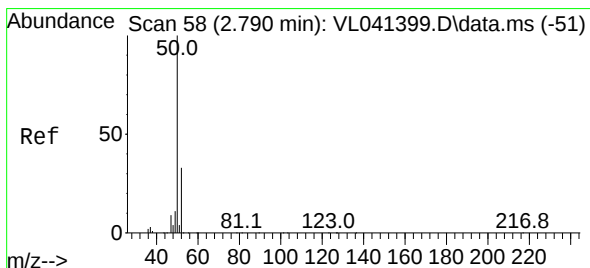
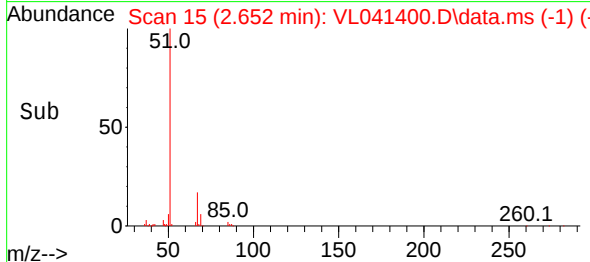
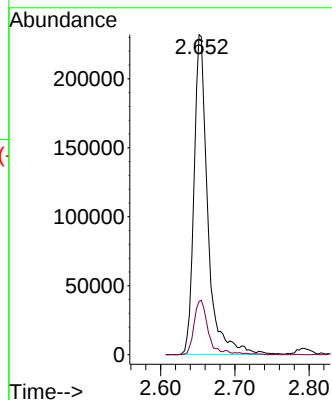
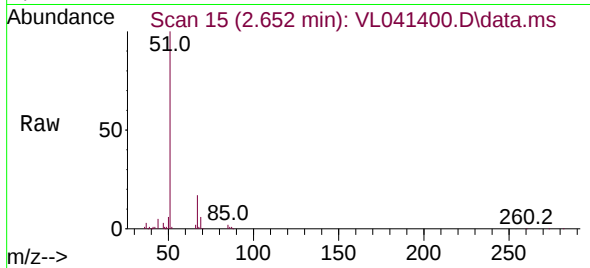




#3
Chlorodifluoromethane
Concen: 1.467 ppbv
RT: 2.652 min Scan# 15
Delta R.T. 0.000 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

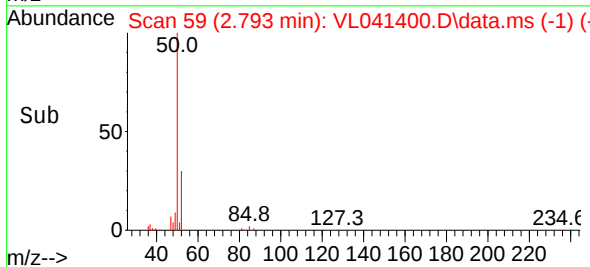
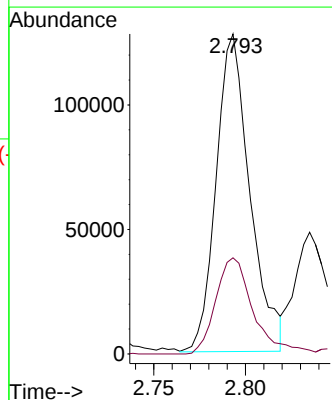
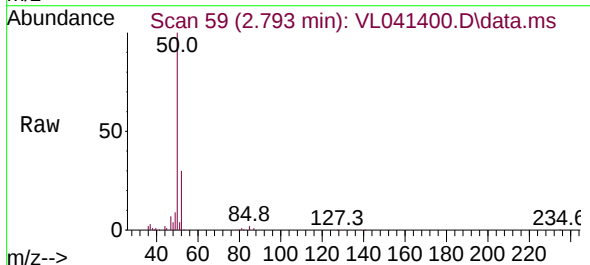
Instrument :
MSVOA_L
ClientSampleId :
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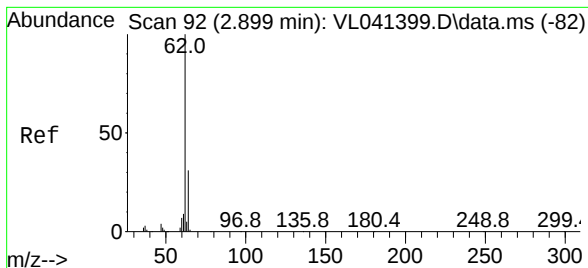
Tgt Ion: 51 Resp: 300375
Ion Ratio Lower Upper
51 100
67 17.9 14.5 21.7



#4
Chloromethane
Concen: 2.084 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion: 50 Resp: 163139
Ion Ratio Lower Upper
50 100
52 30.4 26.1 39.1

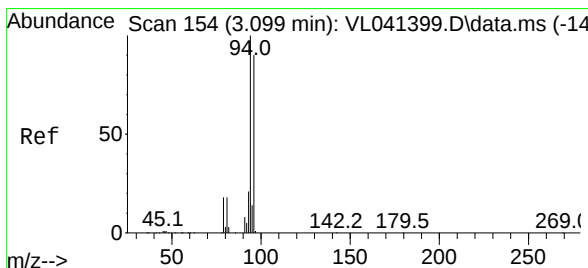
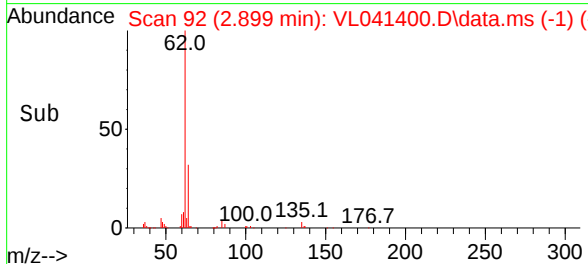
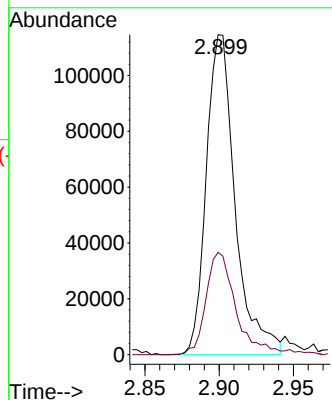
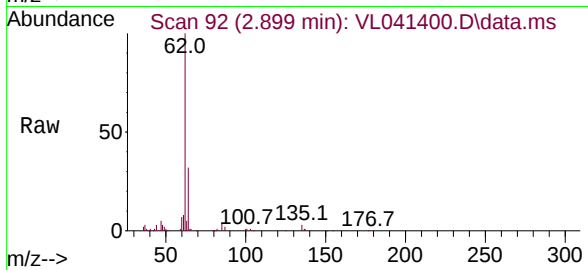




#5
 Vinyl Chloride
 Concen: 1.835 ppbv
 RT: 2.899 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VL041400.D
 Acq: 25 Jul 2024 14:40

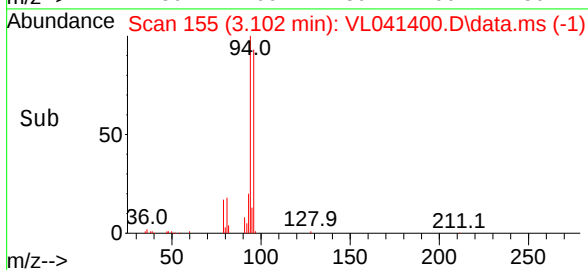
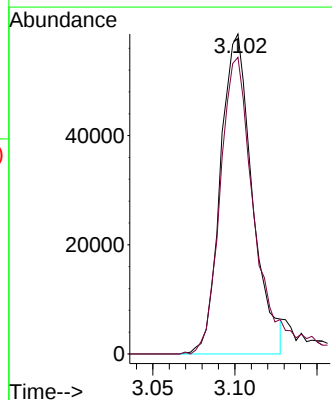
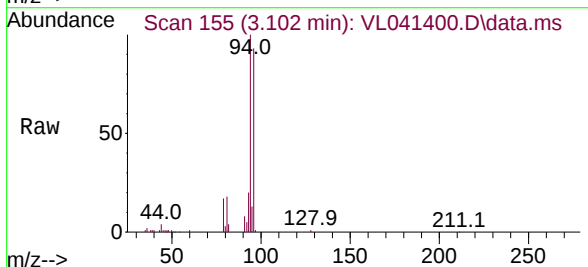
Instrument :
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 ClientSampleId :
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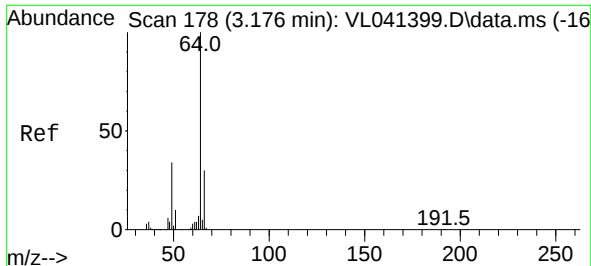
Tgt Ion: 62 Resp: 155185
 Ion Ratio Lower Upper
 62 100
 64 31.7 25.0 37.4



#6
 Bromomethane
 Concen: 2.956 ppbv
 RT: 3.102 min Scan# 155
 Delta R.T. 0.003 min
 Lab File: VL041400.D
 Acq: 25 Jul 2024 14:40

Tgt Ion: 94 Resp: 79103
 Ion Ratio Lower Upper
 94 100
 96 92.7 72.3 108.5

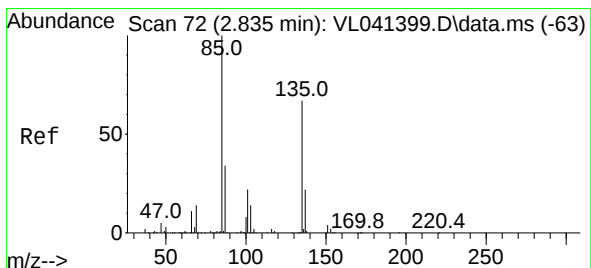
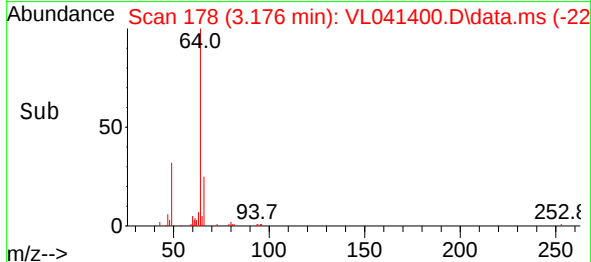
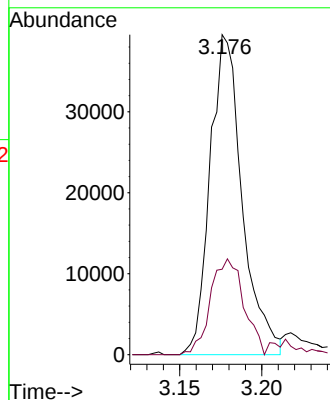
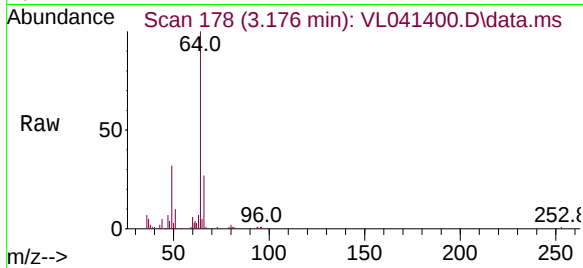




#7
Chloroethane
Concen: 1.922 ppbv
RT: 3.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

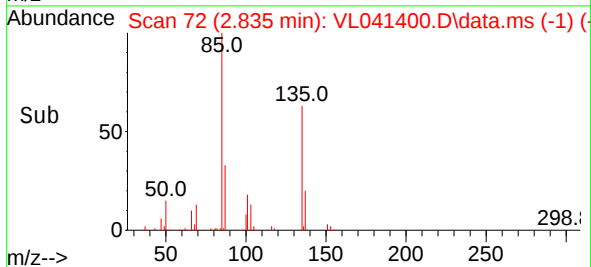
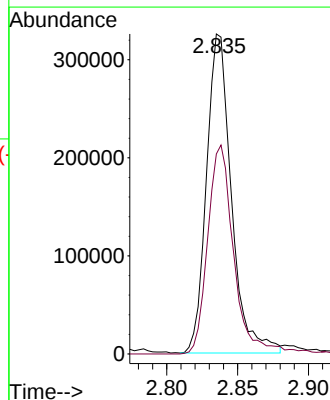
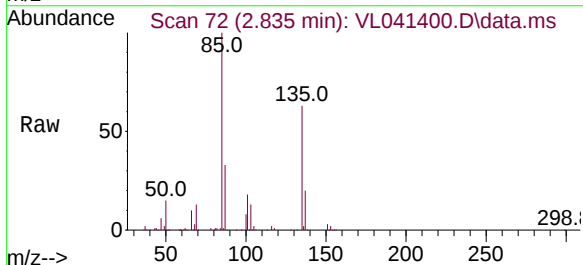
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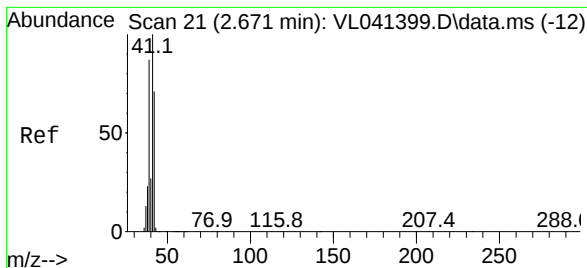
Tgt Ion: 64 Resp: 53717
Ion Ratio Lower Upper
64 100
66 26.7 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 2.027 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.000 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion: 85 Resp: 399415
Ion Ratio Lower Upper
85 100
135 69.5 55.4 83.0





#9

Propene

Concen: 1.972 ppbv

RT: 2.671 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

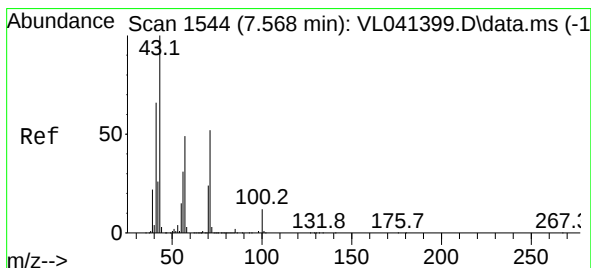
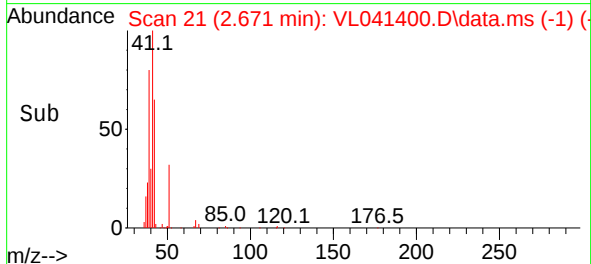
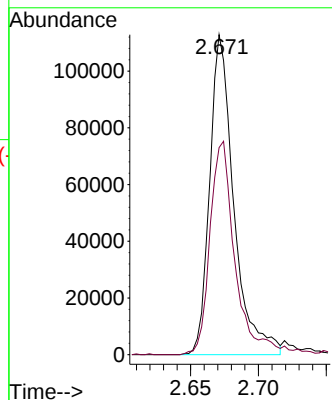
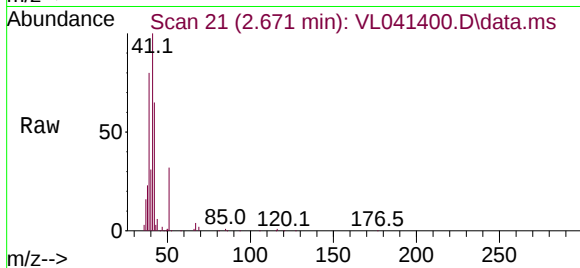
VSTDIC002

Tgt Ion: 41 Resp: 139773

Ion Ratio Lower Upper

41 100

42 71.0 55.9 83.9



#10

Heptane

Concen: 1.956 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. 0.000 min

Lab File: VL041400.D

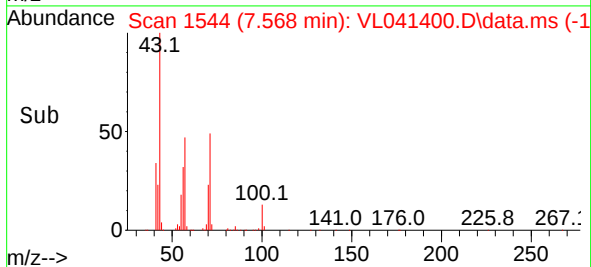
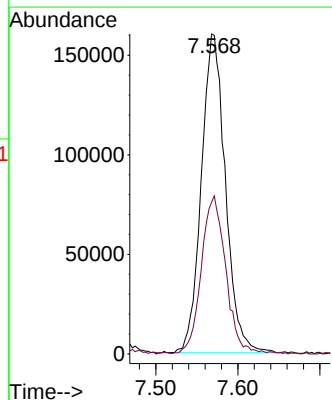
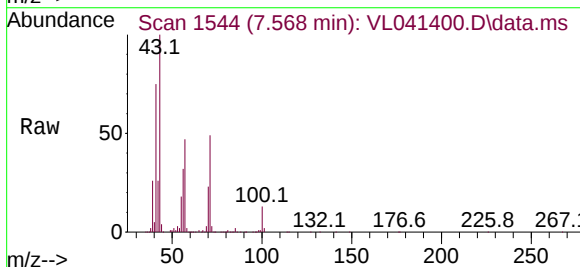
Acq: 25 Jul 2024 14:40

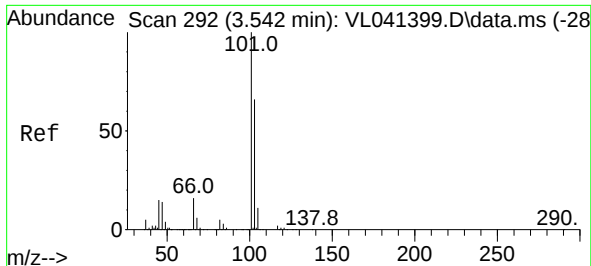
Tgt Ion: 43 Resp: 325614

Ion Ratio Lower Upper

43 100

57 50.9 40.5 60.7

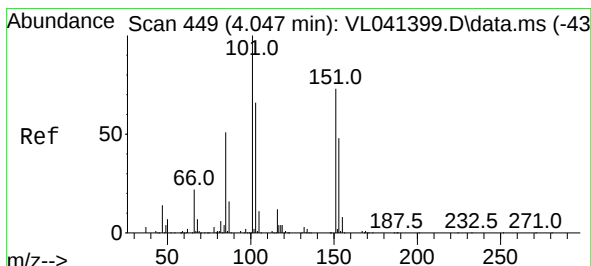
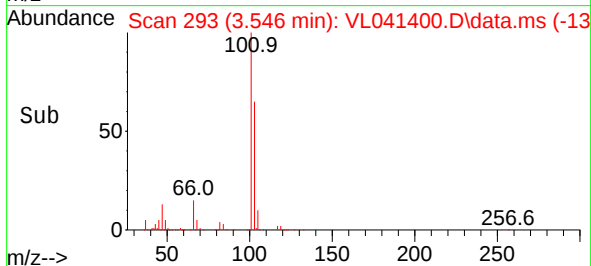
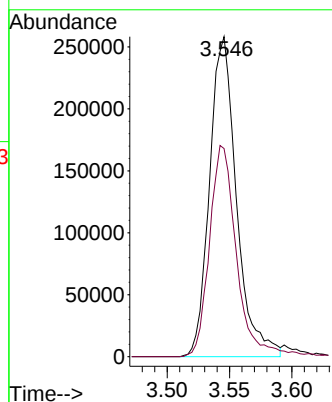
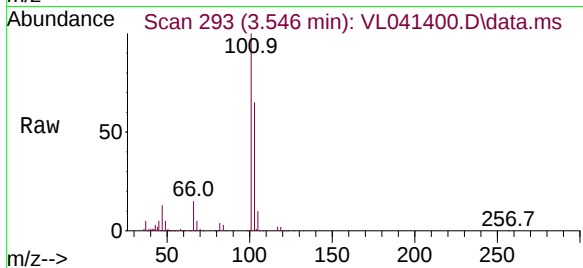




#11
Trichlorofluoromethane
Concen: 1.970 ppbv
RT: 3.546 min Scan# 292
Delta R.T. 0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

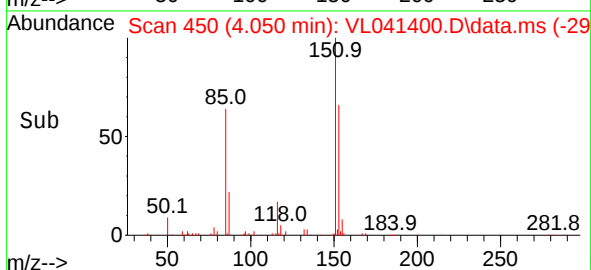
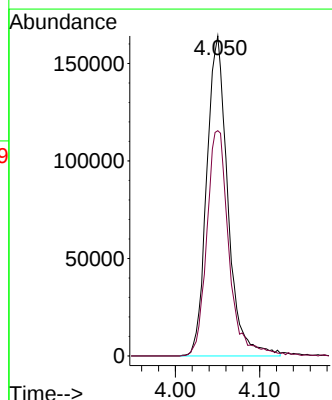
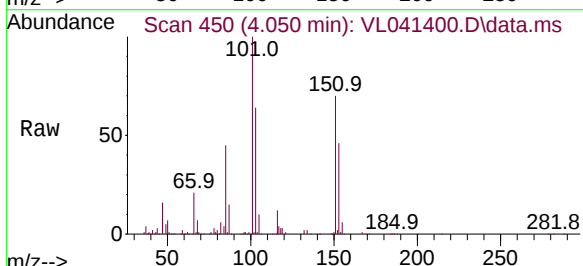
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

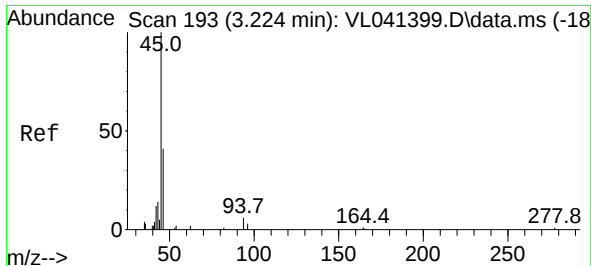
Tgt Ion:101 Resp: 388765
Ion Ratio Lower Upper
101 100
103 65.0 52.6 79.0



#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.064 ppbv
RT: 4.050 min Scan# 450
Delta R.T. 0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion:101 Resp: 285420
Ion Ratio Lower Upper
101 100
151 74.5 59.4 89.2





#13

Ethanol

Concen: 0.591 ppbv

RT: 3.237 min Scan# 193

Delta R.T. 0.013 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

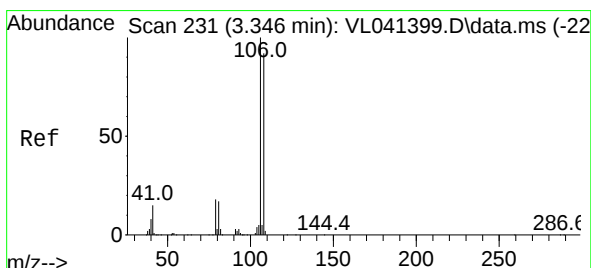
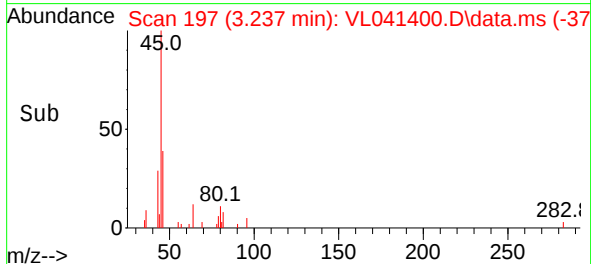
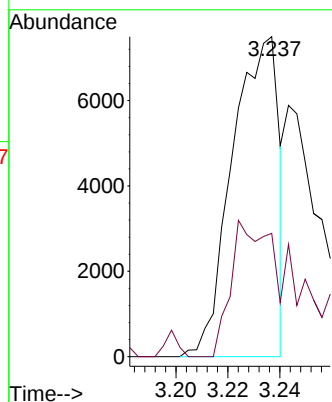
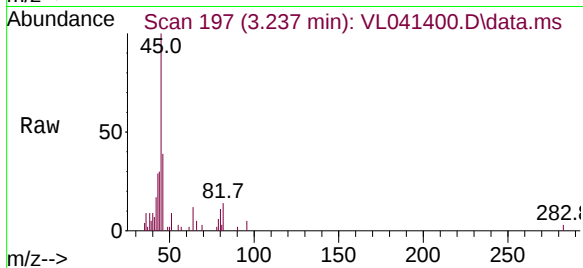
VSTDIC002

Tgt Ion: 45 Resp: 9290

Ion Ratio Lower Upper

45 100

46 71.1 13.4 53.4#



#14

Bromoethene

Concen: 2.003 ppbv

RT: 3.346 min Scan# 231

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

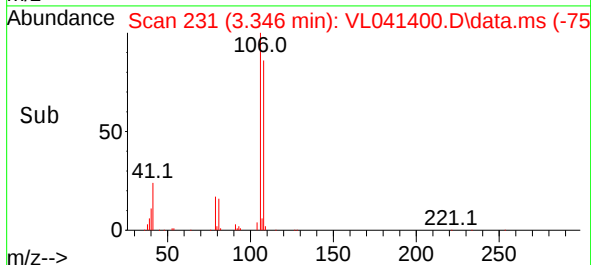
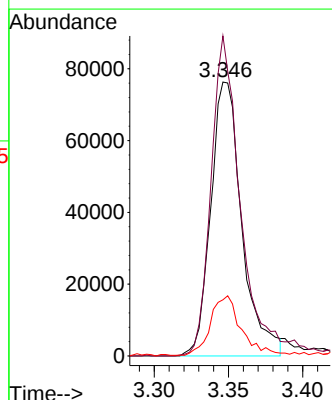
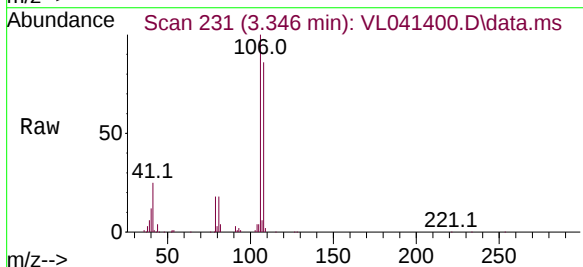
Tgt Ion:108 Resp: 111081

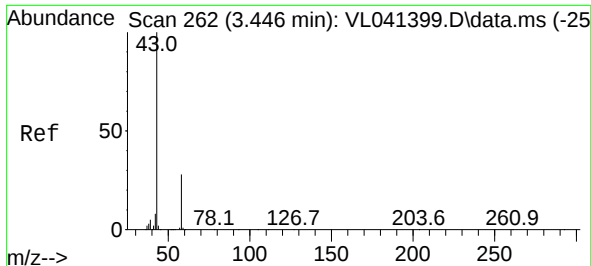
Ion Ratio Lower Upper

108 100

106 116.1 86.9 130.3

79 23.6 16.2 24.4

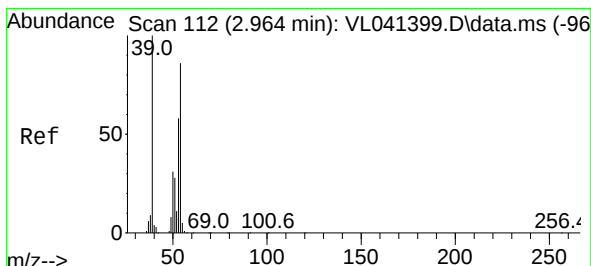
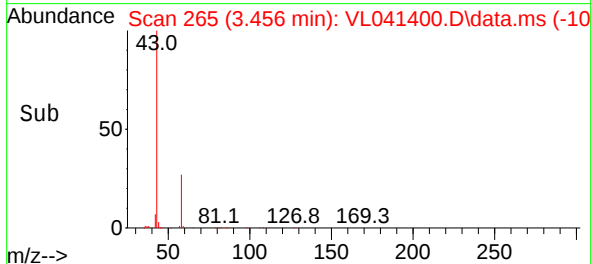
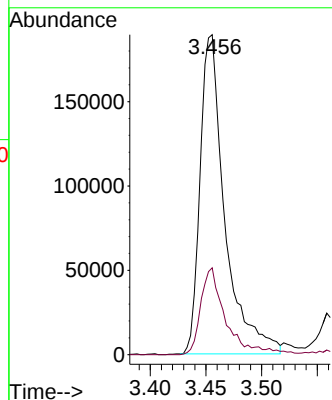
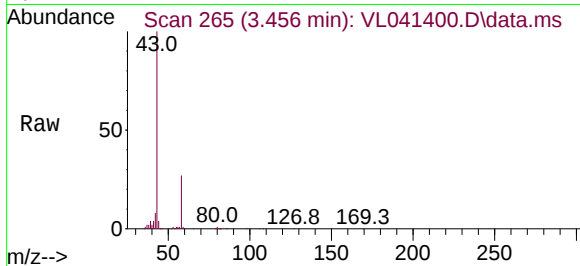




#15
Acetone
Concen: 1.865 ppbv
RT: 3.456 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

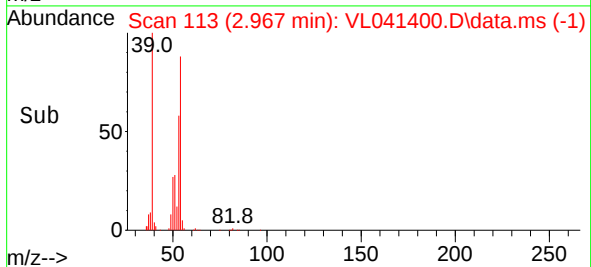
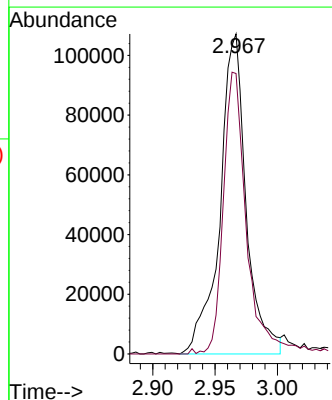
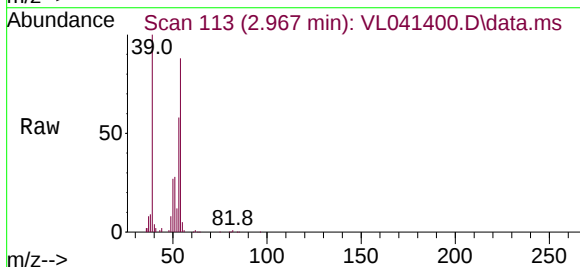
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

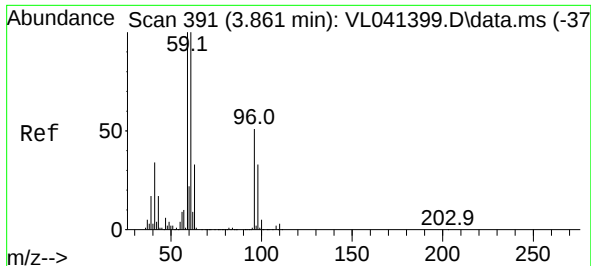
Tgt Ion: 43 Resp: 292550
Ion Ratio Lower Upper
43 100
58 27.6 21.4 32.2



#16
1,3-Butadiene
Concen: 2.113 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion: 39 Resp: 157764
Ion Ratio Lower Upper
39 100
54 79.2 62.5 93.7





#17

tert-Butyl alcohol

Concen: 1.936 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

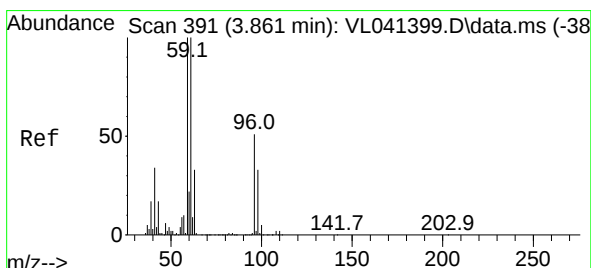
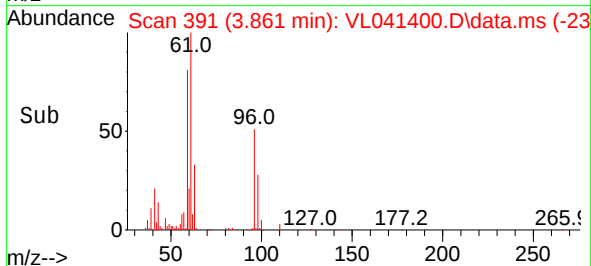
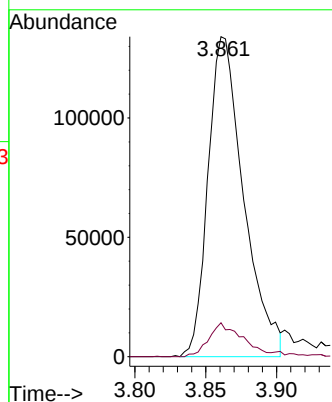
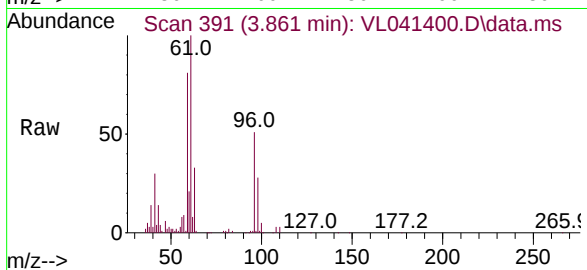
VSTDIC002

Tgt Ion: 59 Resp: 234318

Ion Ratio Lower Upper

59 100

57 11.2 8.6 12.8



#18

1,1-Dichloroethene

Concen: 2.013 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

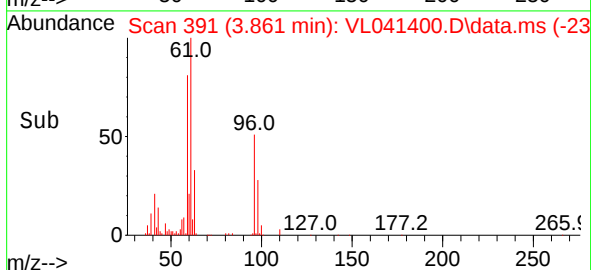
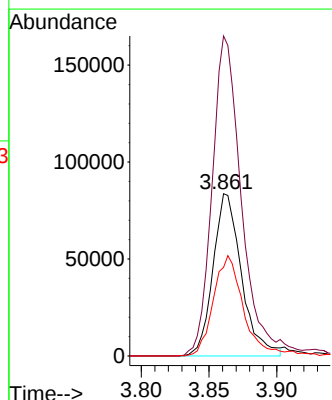
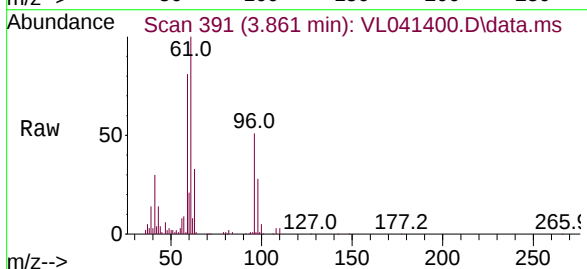
Tgt Ion: 96 Resp: 122348

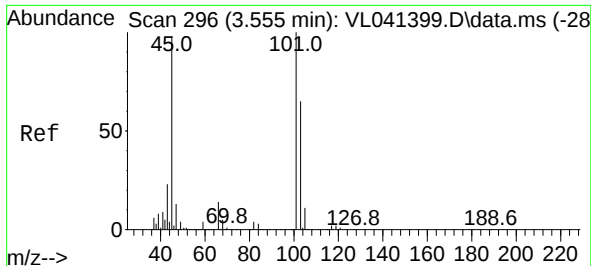
Ion Ratio Lower Upper

96 100

61 197.2 157.5 236.3

98 54.3 51.2 76.8





#19

Isopropyl Alcohol

Concen: 0.053 ppbv

RT: 3.600 min Scan# 310

Delta R.T. 0.045 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

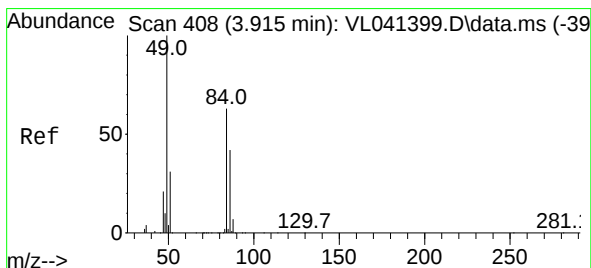
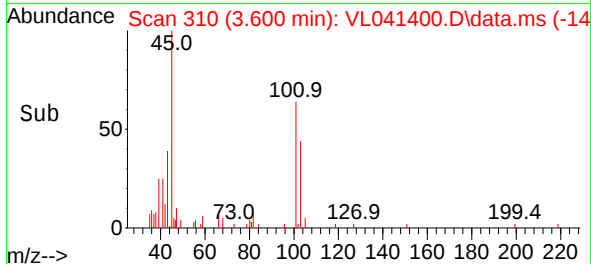
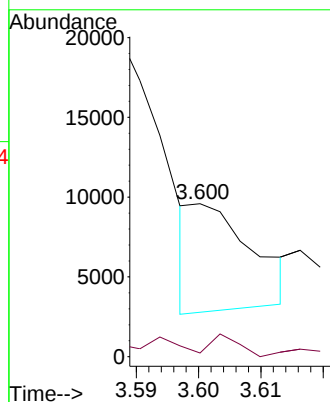
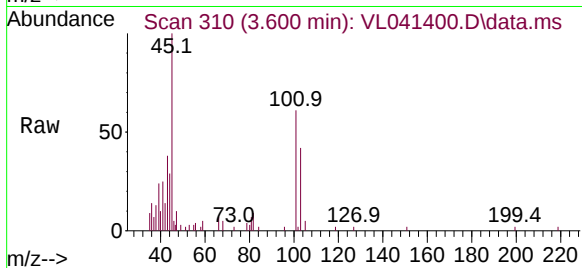
VSTDIC002

Tgt Ion: 45 Resp: 4548

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 1.852 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Tgt Ion: 84 Resp: 105428

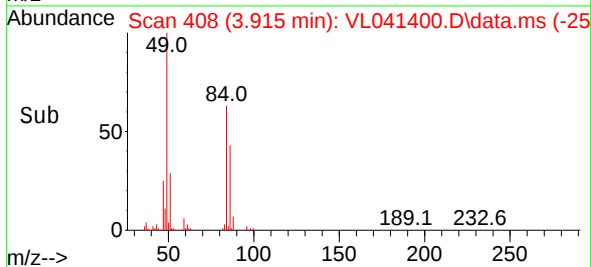
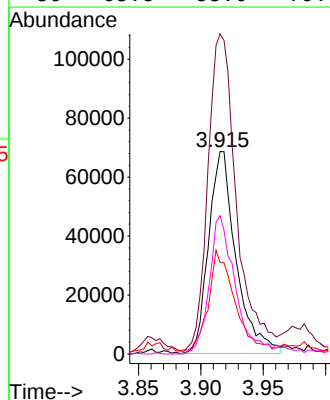
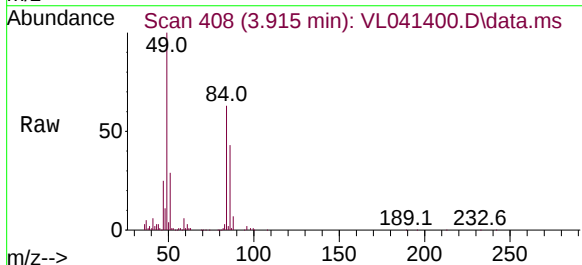
Ion Ratio Lower Upper

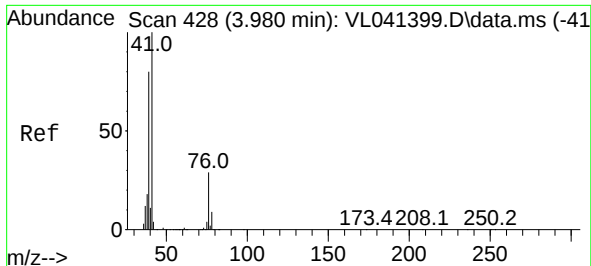
84 100

49 157.0 126.6 190.0

51 43.8 38.6 58.0

86 68.5 53.0 79.4





#21

Allyl Chloride

Concen: 1.998 ppbv

RT: 3.980 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

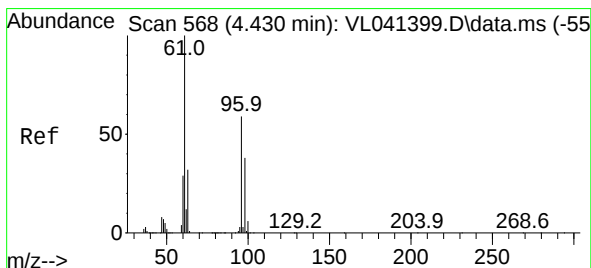
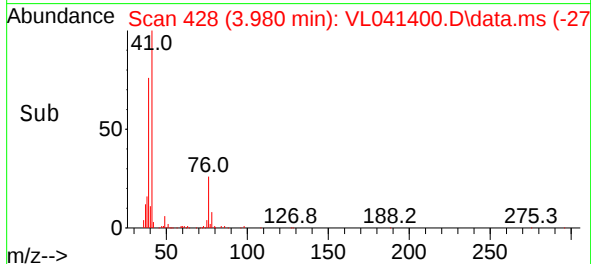
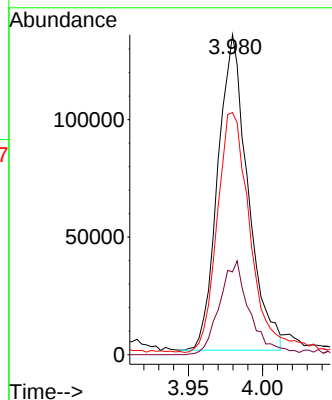
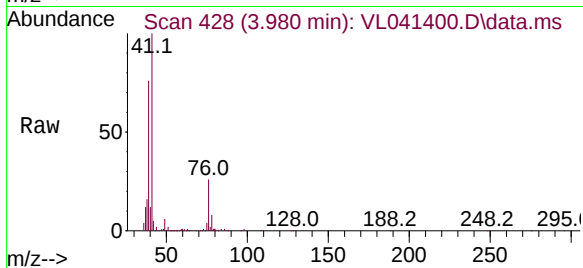
Tgt Ion: 41 Resp: 189033

Ion Ratio Lower Upper

41 100

76 31.1 23.7 35.5

39 91.7 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 2.030 ppbv

RT: 4.427 min Scan# 567

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

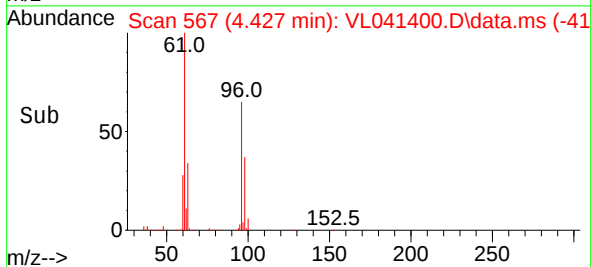
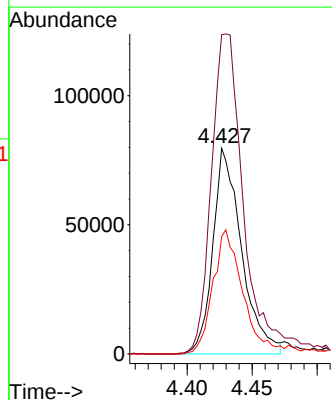
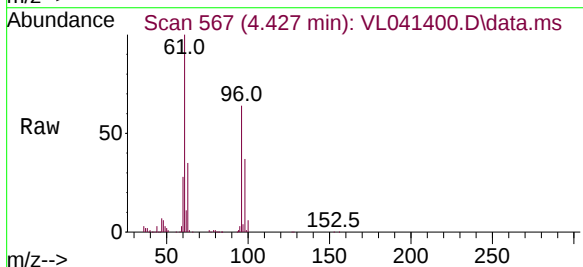
Tgt Ion: 96 Resp: 122560

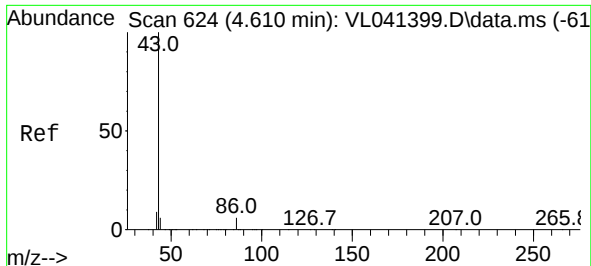
Ion Ratio Lower Upper

96 100

61 154.7 135.4 203.2

98 57.0 51.0 76.4



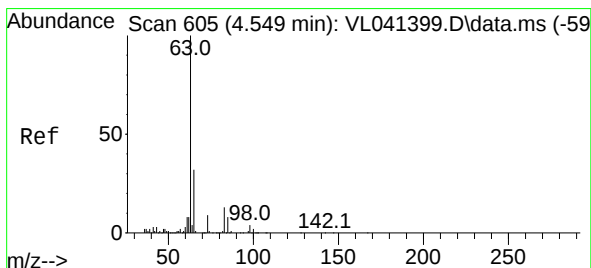
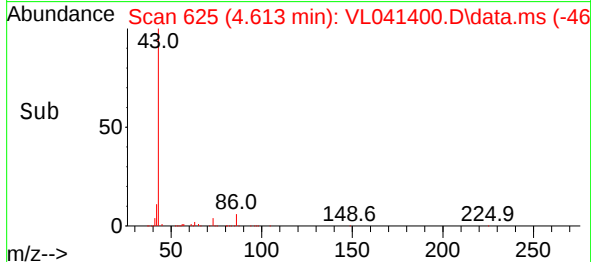
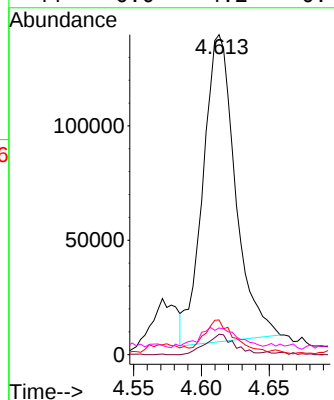
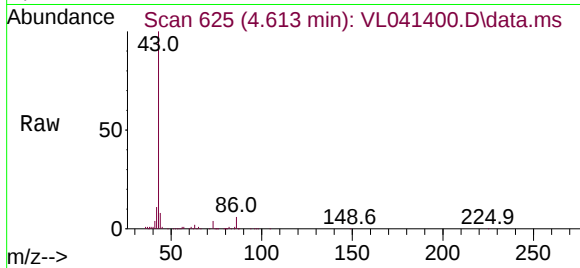


#23
 Vinyl Acetate
 Concen: 1.442 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041400.D
 Acq: 25 Jul 2024 14:40

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 223002

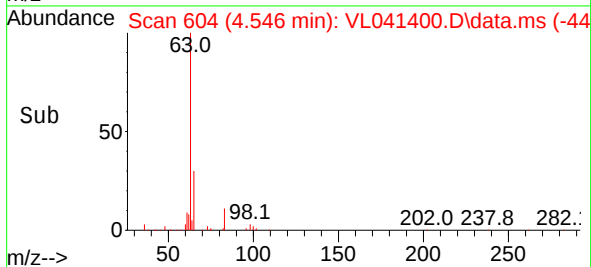
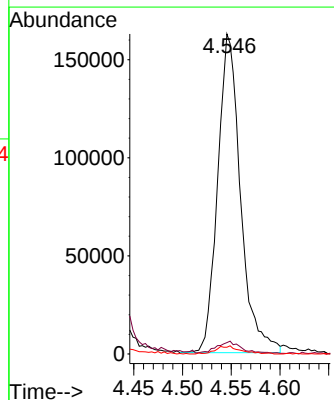
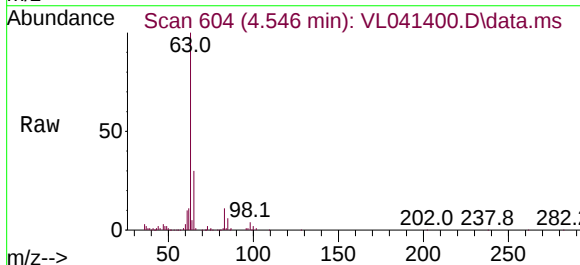
Ion	Ratio	Lower	Upper
43	100		
86	6.8	4.6	6.8#
42	10.3	7.9	11.9
44	6.0	4.2	6.4

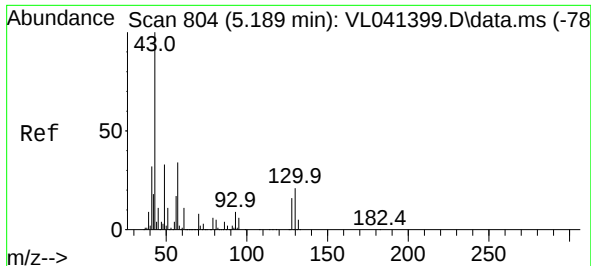


#24
 1,1-Dichloroethane
 Concen: 1.977 ppbv
 RT: 4.546 min Scan# 604
 Delta R.T. -0.003 min
 Lab File: VL041400.D
 Acq: 25 Jul 2024 14:40

Tgt Ion: 63 Resp: 265124

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.0	6.0
100	2.1	1.2	3.6





#25

Ethyl Acetate

Concen: 2.070 ppbv

RT: 5.192 min Scan# 805

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 597999

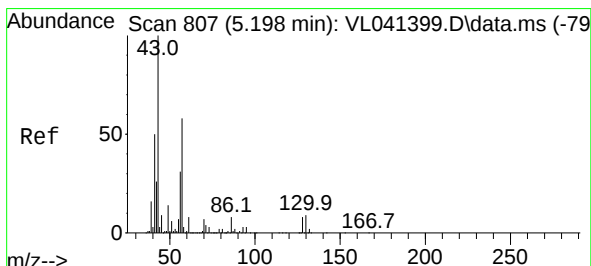
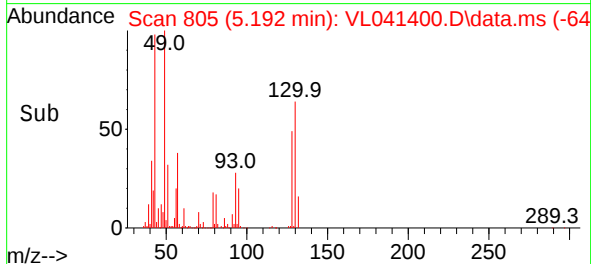
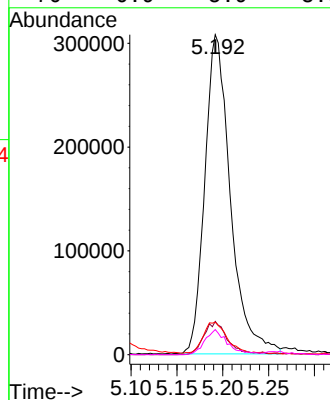
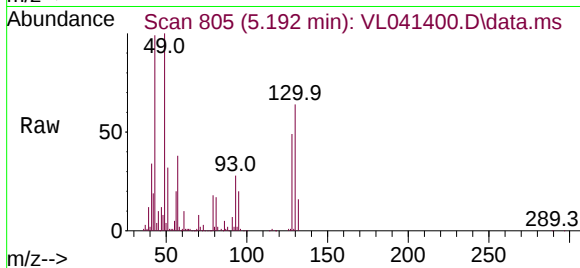
Ion Ratio Lower Upper

43 100

45 10.1 8.5 12.7

61 9.9 8.0 12.0

70 6.9 5.9 8.9



#26

Hexane

Concen: 1.961 ppbv

RT: 5.198 min Scan# 807

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Tgt Ion: 57 Resp: 250786

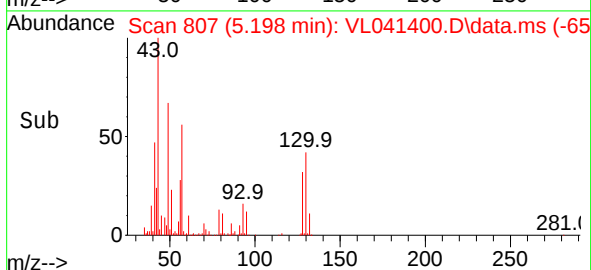
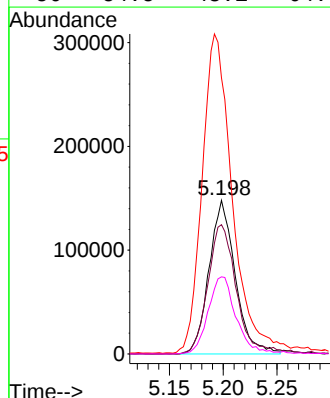
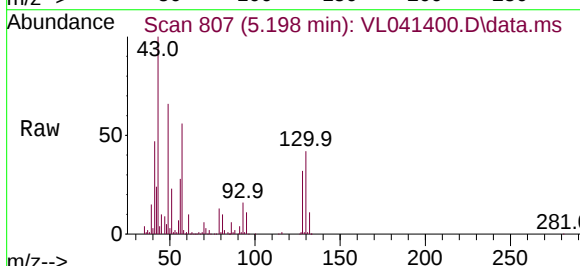
Ion Ratio Lower Upper

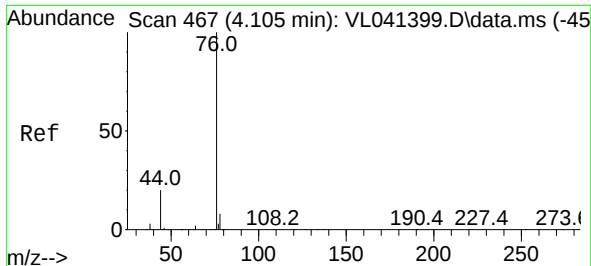
57 100

41 93.3 74.0 111.0

43 245.7 193.6 290.4

56 54.5 43.1 64.7

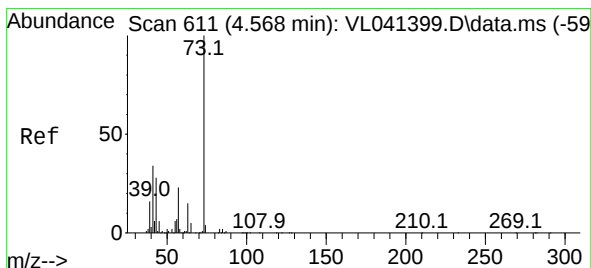
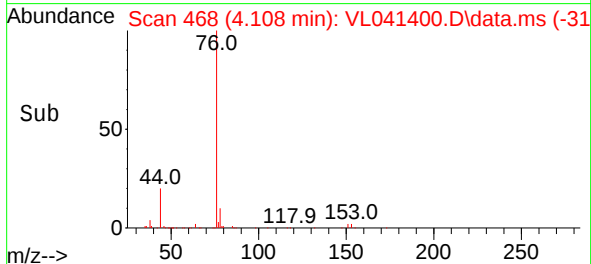
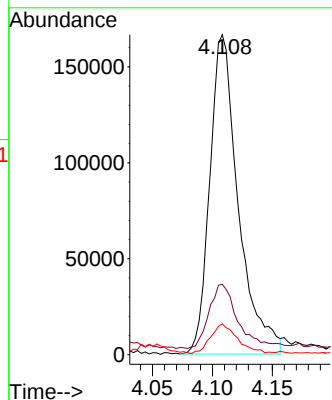
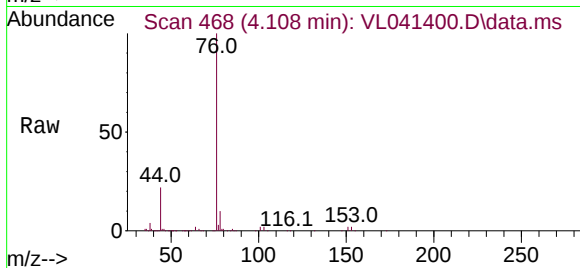




#27
Carbon Disulfide
Concen: 1.771 ppbv
RT: 4.108 min Scan# 410
Delta R.T. 0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

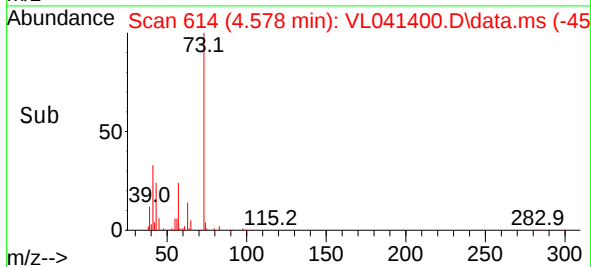
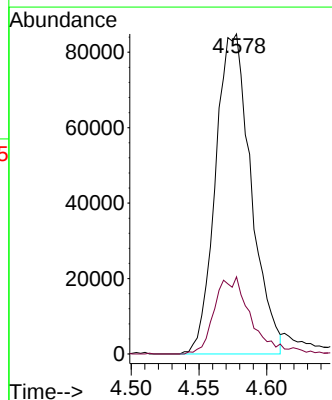
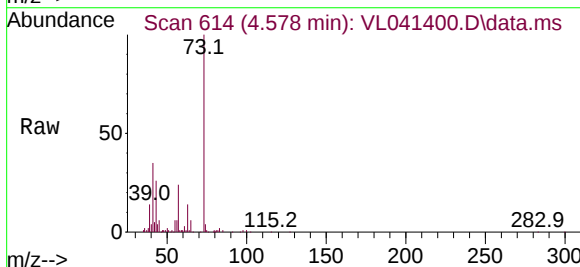
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC002

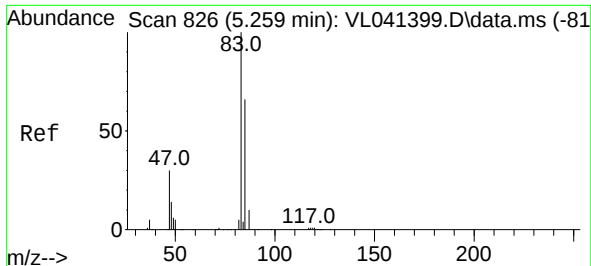
Tgt Ion: 76 Resp: 275637
Ion Ratio Lower Upper
76 100
44 22.6 15.6 23.4
78 10.7 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 1.633 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.010 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion: 73 Resp: 154942
Ion Ratio Lower Upper
73 100
57 25.1 18.9 28.3





#29

Chloroform

Concen: 1.997 ppbv

RT: 5.259 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

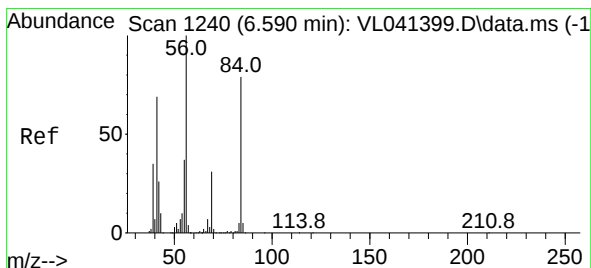
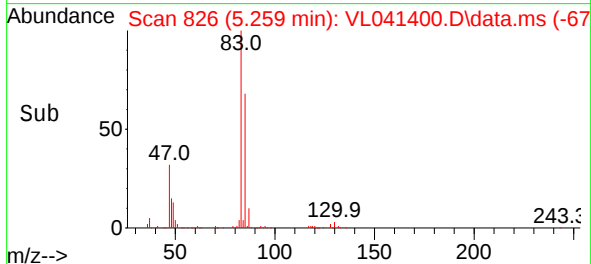
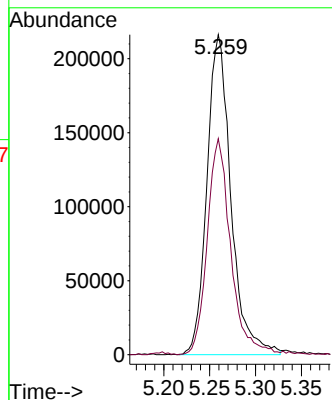
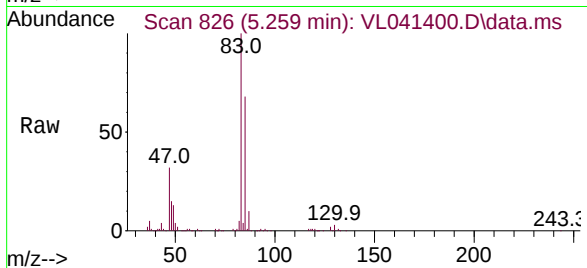
VSTDIC002

Tgt Ion: 83 Resp: 394045

Ion Ratio Lower Upper

83 100

85 67.4 53.1 79.7



#30

Cyclohexane

Concen: 2.040 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

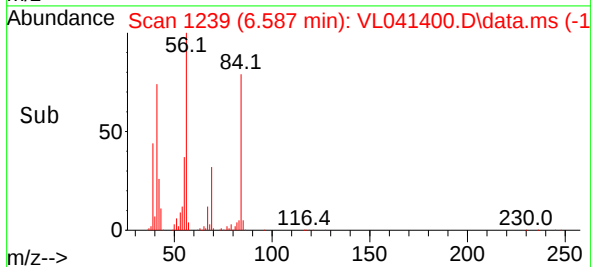
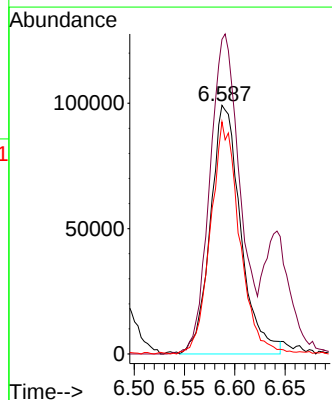
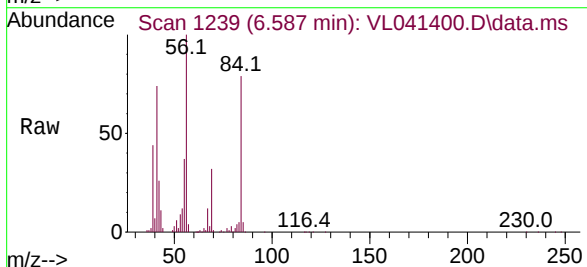
Tgt Ion: 84 Resp: 207896

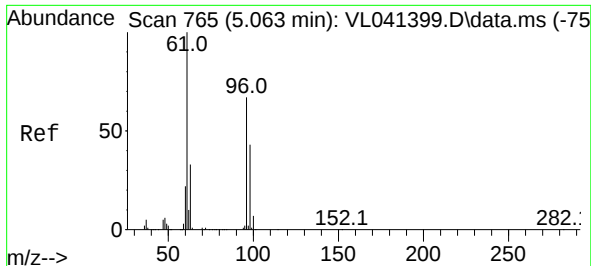
Ion Ratio Lower Upper

84 100

56 125.9 111.2 166.8

41 88.7 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 1.981 ppbv

RT: 5.063 min Scan# 765

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

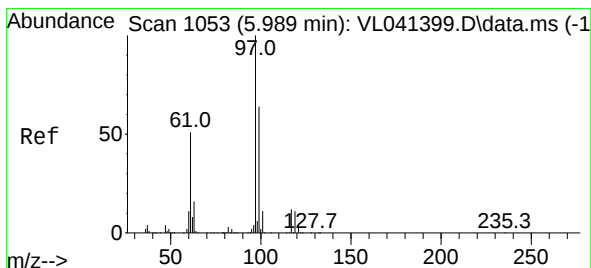
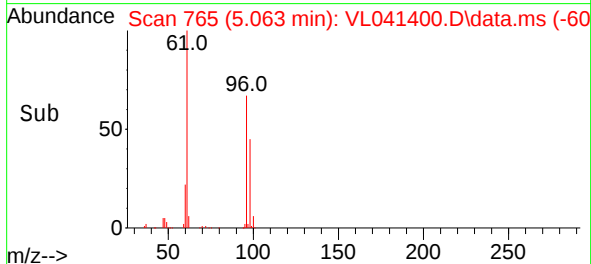
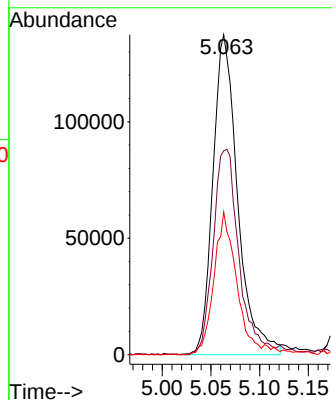
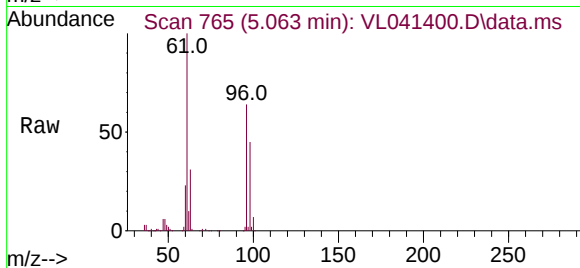
Tgt Ion: 61 Resp: 242910

Ion Ratio Lower Upper

61 100

96 63.6 53.4 80.2

98 44.5 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 1.814 ppbv

RT: 5.992 min Scan# 1054

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

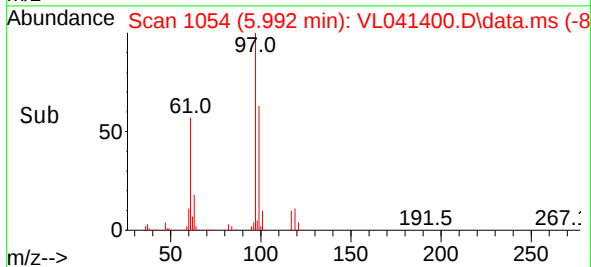
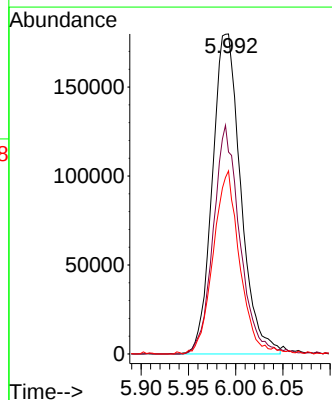
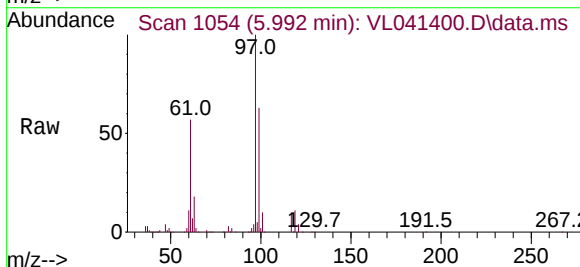
Tgt Ion: 97 Resp: 375703

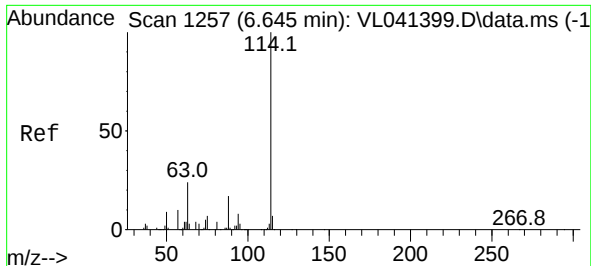
Ion Ratio Lower Upper

97 100

99 66.9 52.0 78.0

61 54.1 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: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

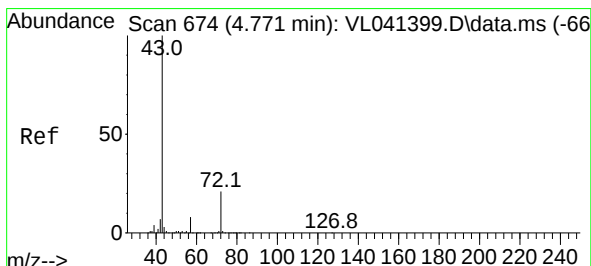
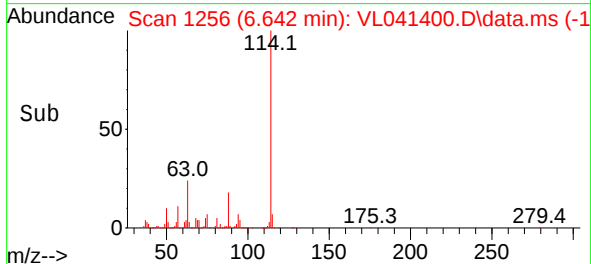
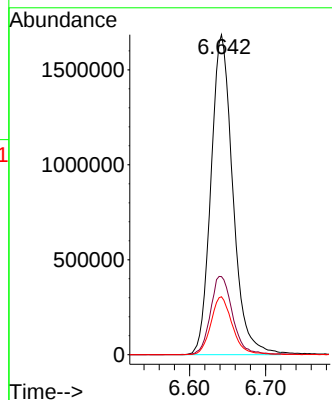
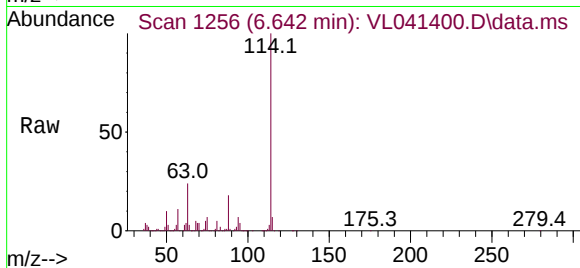
Tgt Ion:114 Resp: 3361544

Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 2.002 ppbv

RT: 4.774 min Scan# 675

Delta R.T. 0.003 min

Lab File: VL041400.D

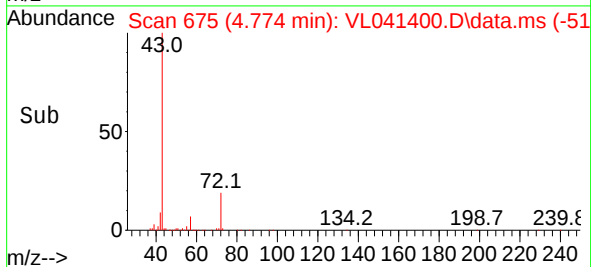
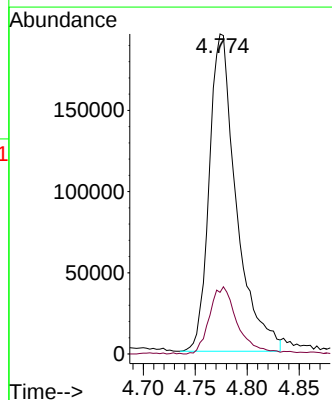
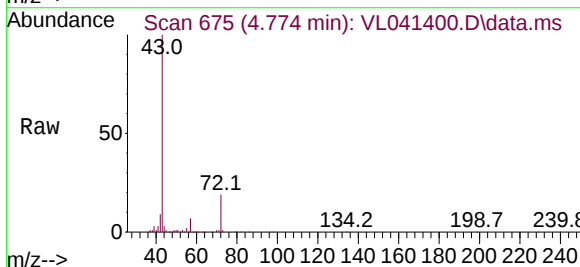
Acq: 25 Jul 2024 14:40

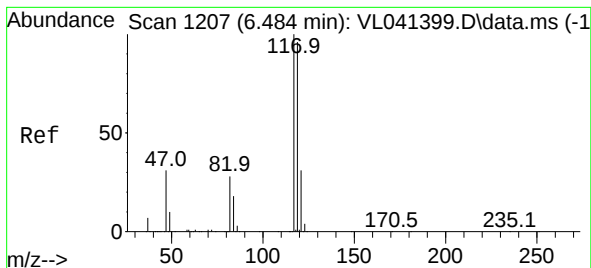
Tgt Ion: 43 Resp: 355170

Ion Ratio Lower Upper

43 100

72 22.6 17.3 25.9





#35

Carbon Tetrachloride

Concen: 1.784 ppbv

RT: 6.481 min Scan# 117

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

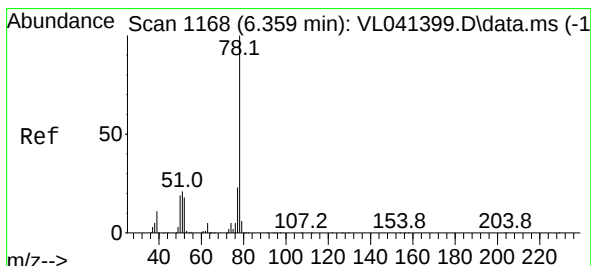
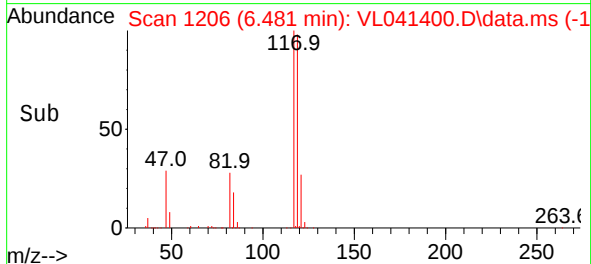
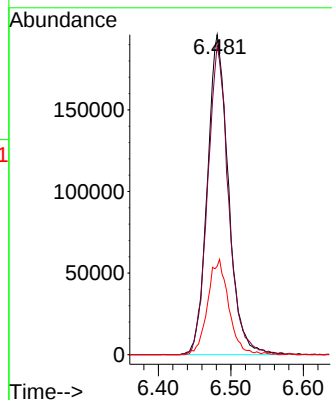
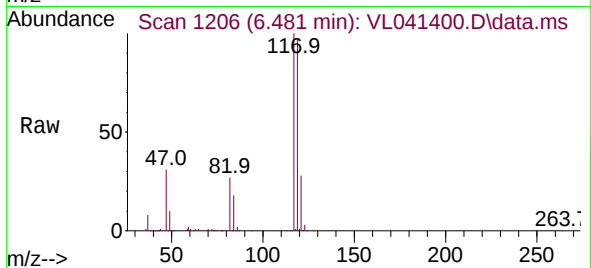
Tgt Ion:117 Resp: 395969

Ion Ratio Lower Upper

117 100

119 96.7 76.6 115.0

121 27.6 25.1 37.7



#36

Benzene

Concen: 1.913 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

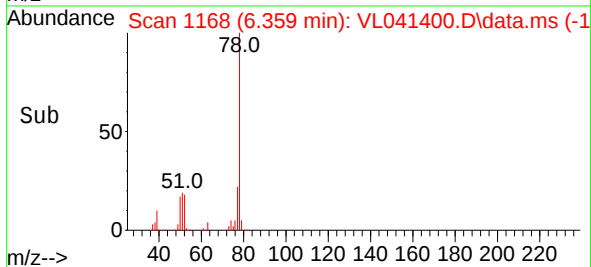
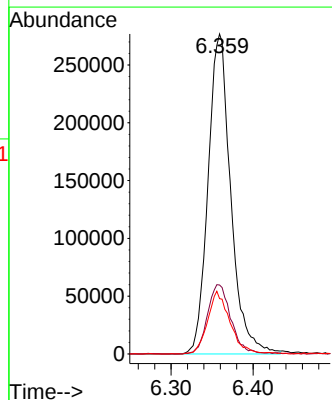
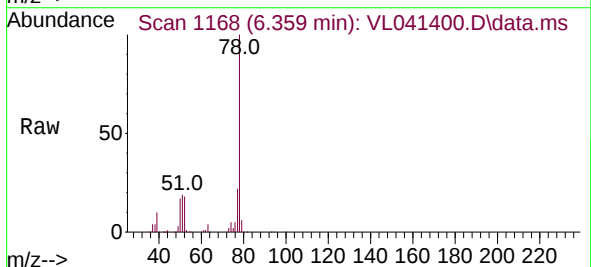
Tgt Ion: 78 Resp: 532213

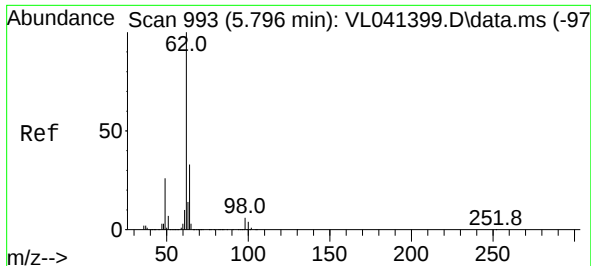
Ion Ratio Lower Upper

78 100

77 21.5 18.1 27.1

50 17.3 15.5 23.3





#37

1,2-Dichloroethane

Concen: 1.802 ppbv

RT: 5.793 min Scan# 993

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

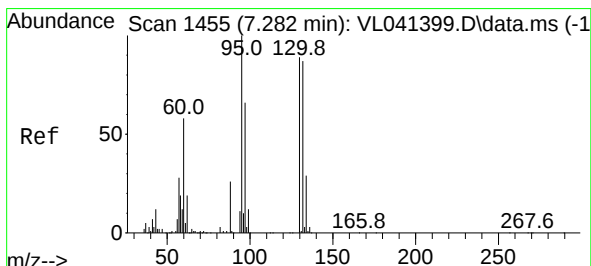
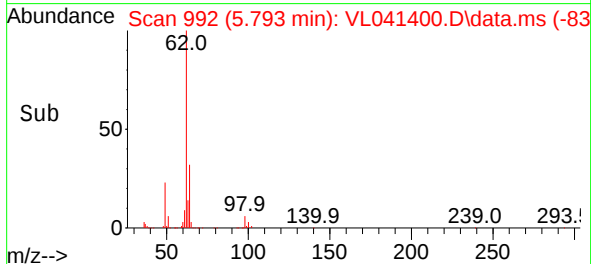
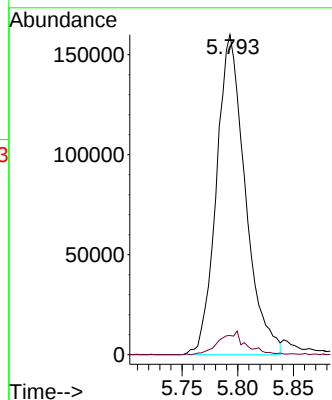
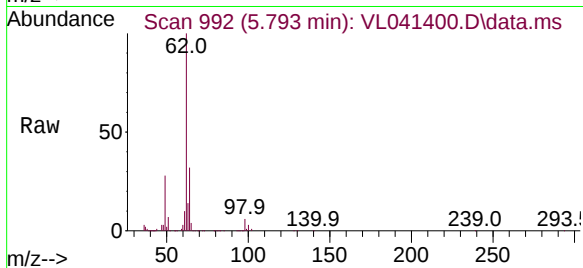
VSTDIC002

Tgt Ion: 62 Resp: 287587

Ion Ratio Lower Upper

62 100

98 7.0 5.0 7.4



#38

Trichloroethene

Concen: 1.935 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Tgt Ion:130 Resp: 234513

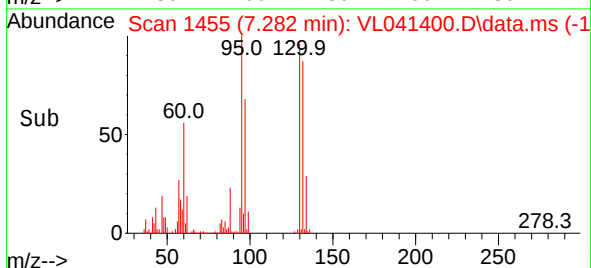
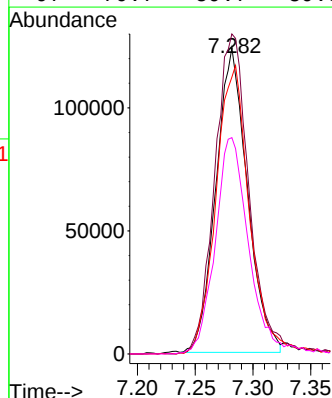
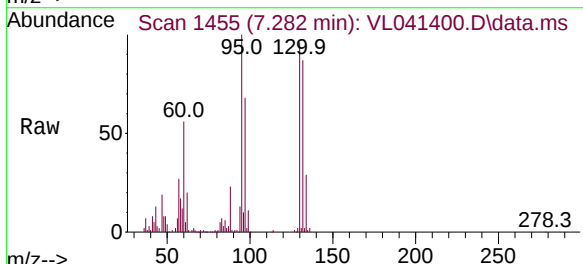
Ion Ratio Lower Upper

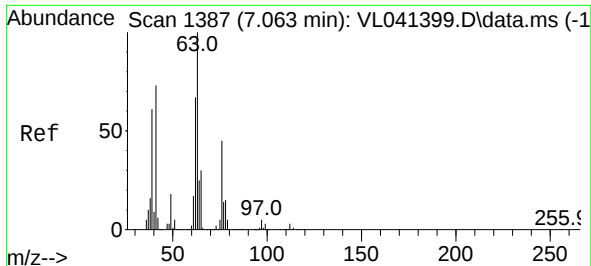
130 100

95 104.8 90.2 135.2

132 90.6 78.1 117.1

97 70.7 59.7 89.5





#39

1,2-Dichloropropane

Concen: 1.892 ppbv

RT: 7.060 min Scan# 14

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

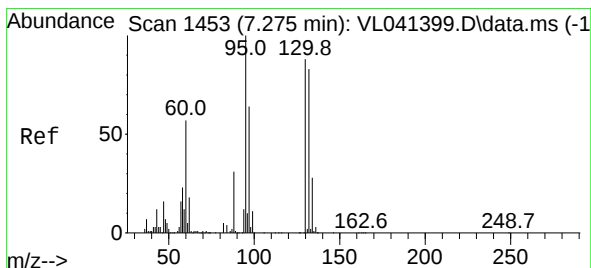
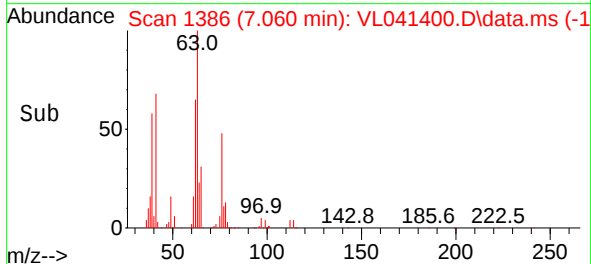
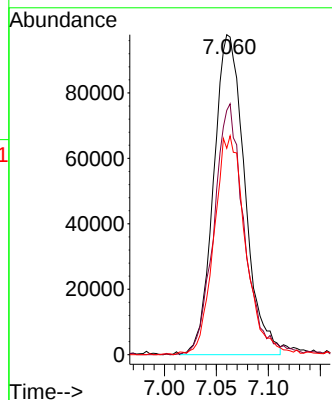
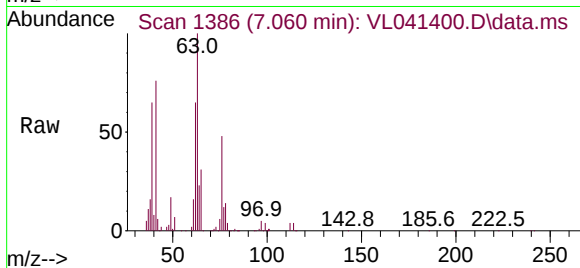
Tgt Ion: 63 Resp: 203420

Ion Ratio Lower Upper

63 100

41 75.7 58.3 87.5

62 63.7 53.9 80.9



#40

1,4-Dioxane

Concen: 2.068 ppbv

RT: 7.288 min Scan# 1457

Delta R.T. 0.013 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Tgt Ion: 88 Resp: 71274

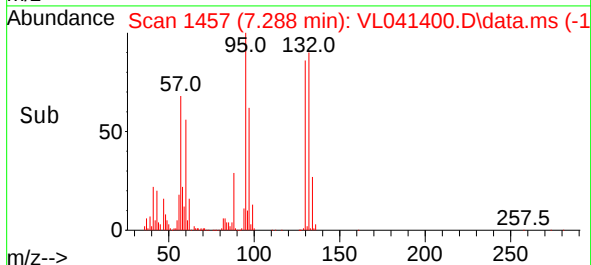
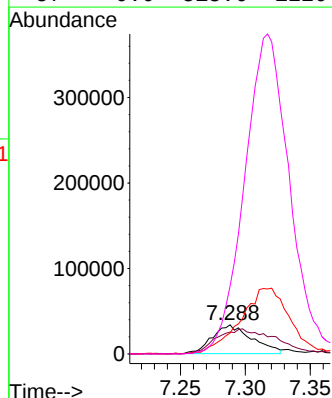
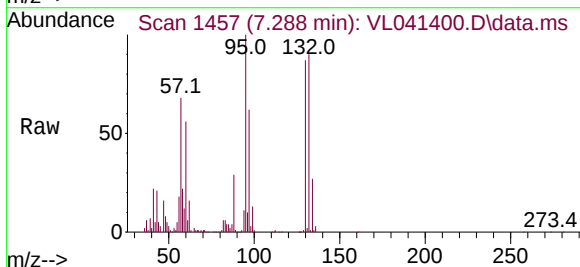
Ion Ratio Lower Upper

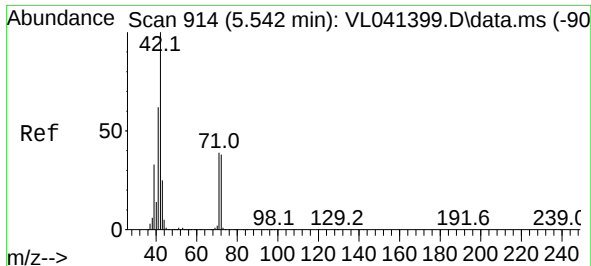
88 100

58 137.3 95.8 143.6

43 0.0 188.2 282.2#

57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 1.886 ppbv

RT: 5.552 min Scan# 914

Delta R.T. 0.010 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

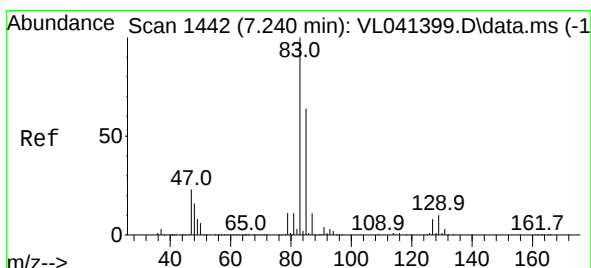
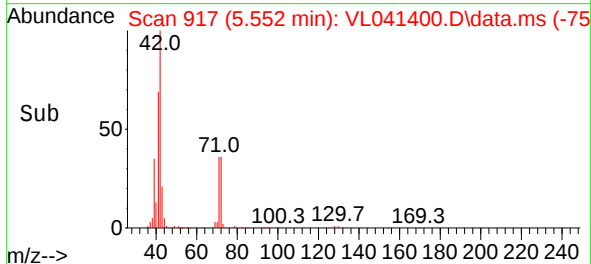
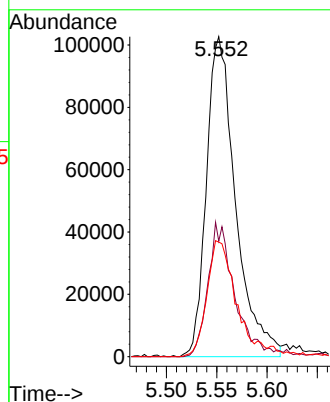
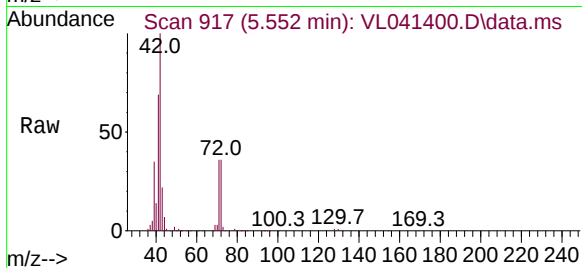
Tgt Ion: 42 Resp: 207220

Ion Ratio Lower Upper

42 100

72 39.1 31.2 46.8

71 37.4 30.5 45.7



#42

Bromodichloromethane

Concen: 1.873 ppbv

RT: 7.237 min Scan# 1441

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

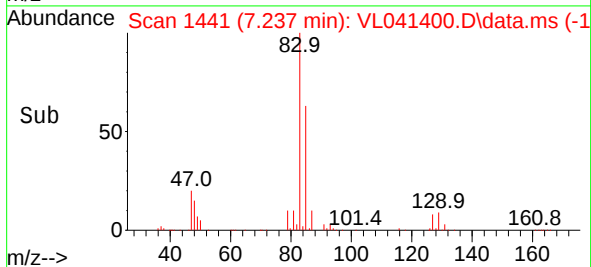
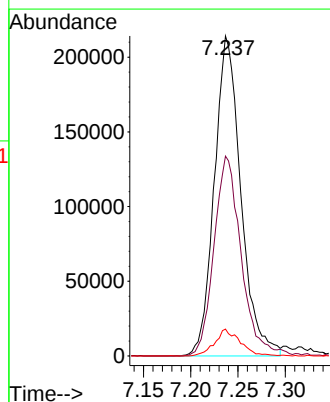
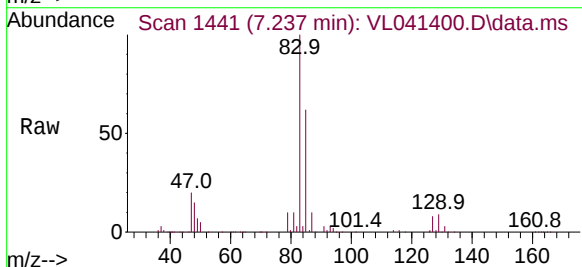
Tgt Ion: 83 Resp: 418292

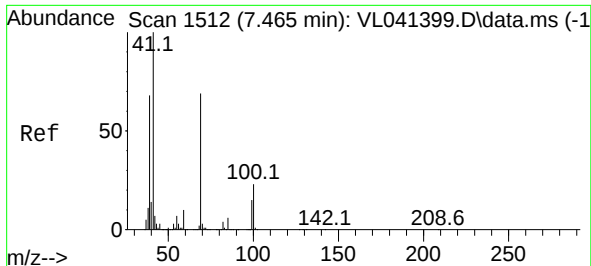
Ion Ratio Lower Upper

83 100

85 62.4 51.4 77.0

127 8.4 6.7 10.1





#43

Methyl Methacrylate

Concen: 1.843 ppbv

RT: 7.468 min Scan# 1512

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

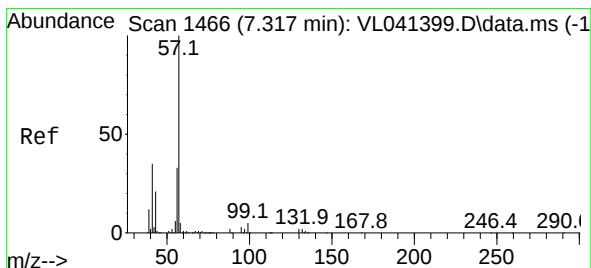
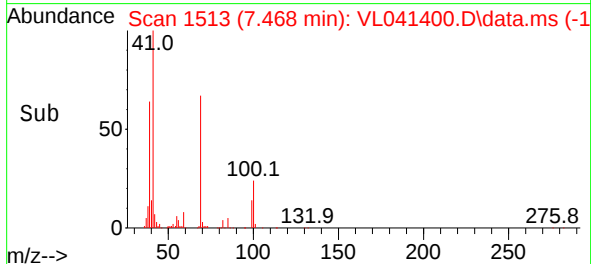
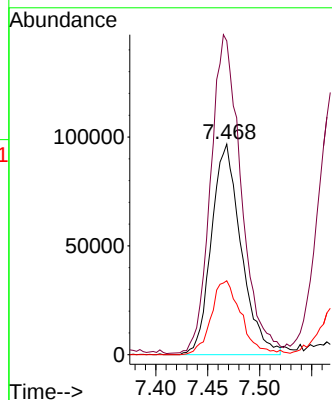
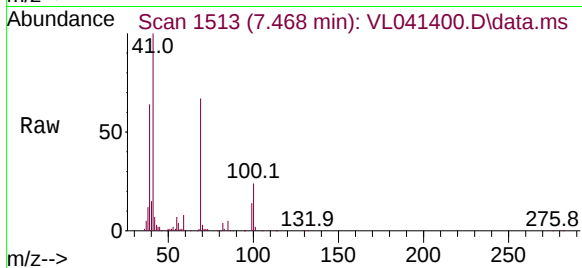
Tgt Ion: 69 Resp: 192639

Ion Ratio Lower Upper

69 100

41 156.2 118.7 178.1

100 35.7 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 1.909 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

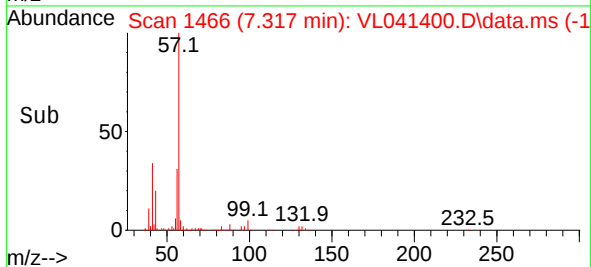
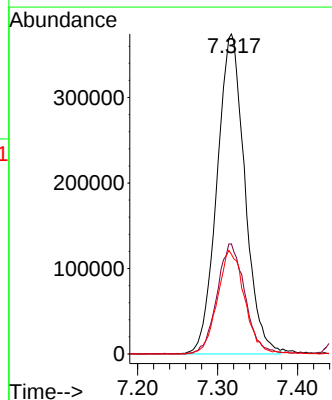
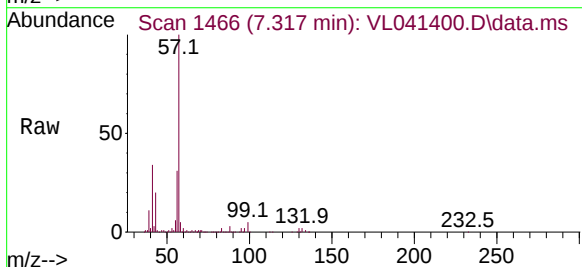
Tgt Ion: 57 Resp: 902570

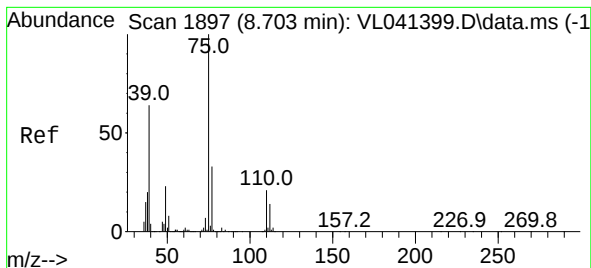
Ion Ratio Lower Upper

57 100

41 34.7 27.0 40.6

56 31.9 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 2.524 ppbv

RT: 8.700 min Scan# 1897

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

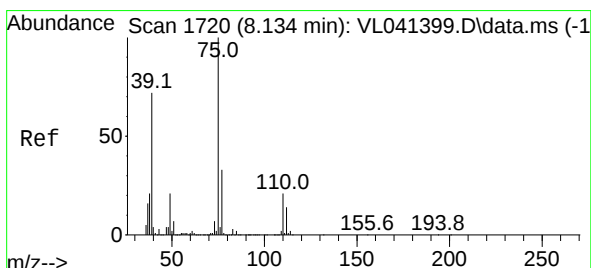
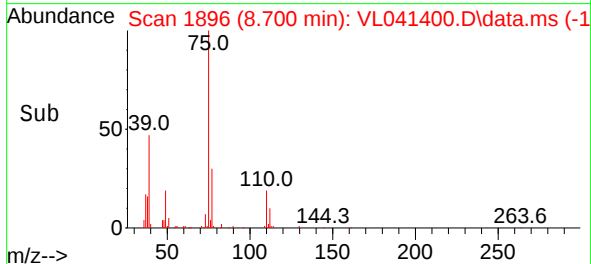
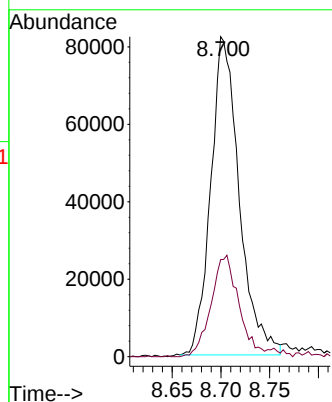
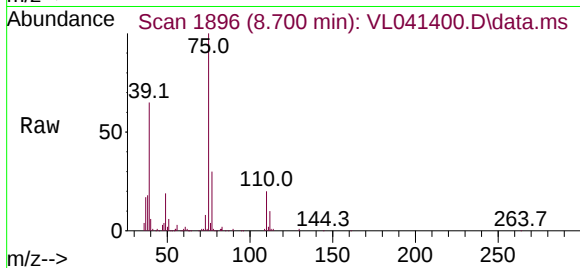
VSTDIC002

Tgt Ion: 75 Resp: 166952

Ion Ratio Lower Upper

75 100

77 30.4 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 2.810 ppbv

RT: 8.134 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

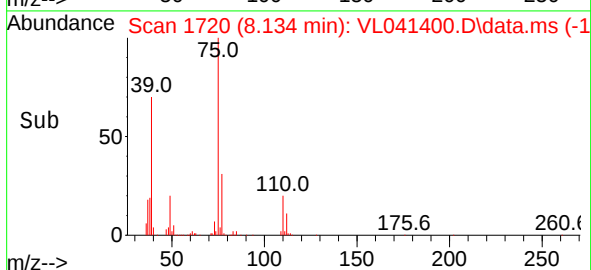
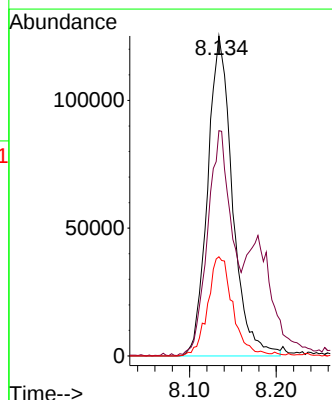
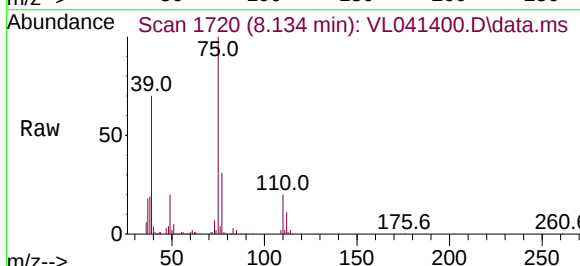
Tgt Ion: 75 Resp: 249911

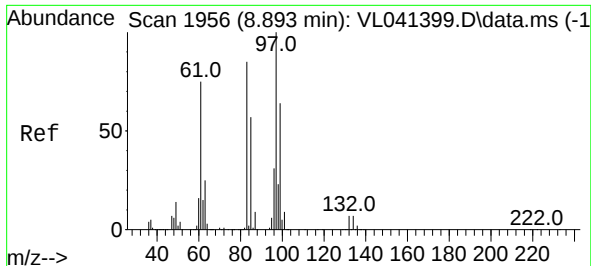
Ion Ratio Lower Upper

75 100

39 69.7 57.3 85.9

77 30.8 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 1.950 ppbv

RT: 8.889 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

Tgt Ion: 97 Resp: 224865

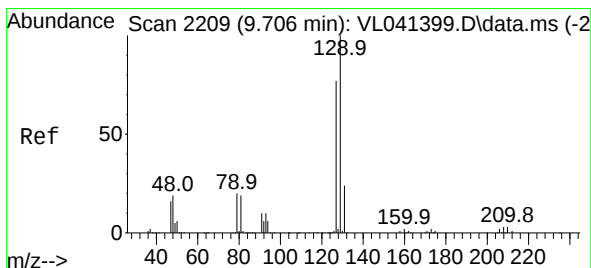
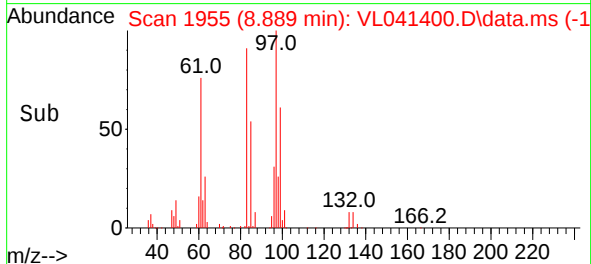
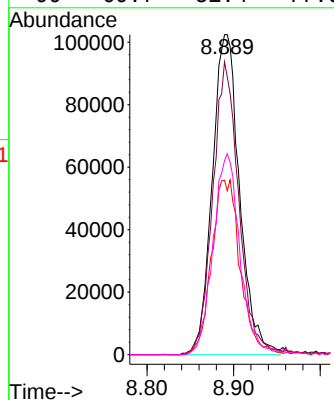
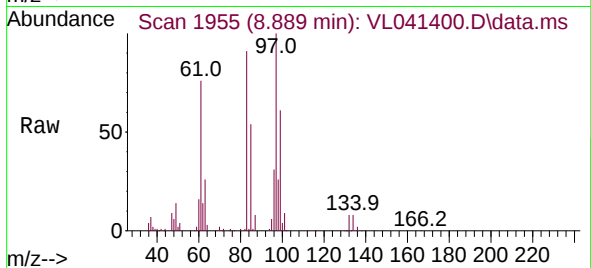
Ion Ratio Lower Upper

97 100

83 91.5 67.6 101.4

85 54.5 45.9 68.9

99 60.7 51.4 77.0



#48

Dibromochloromethane

Concen: 1.910 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.003 min

Lab File: VL041400.D

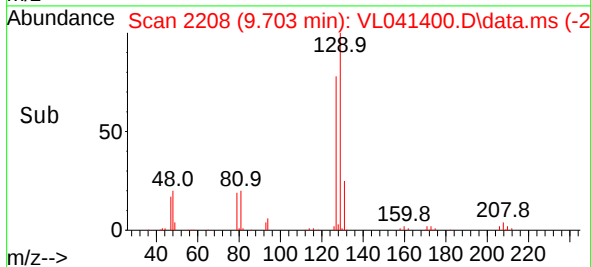
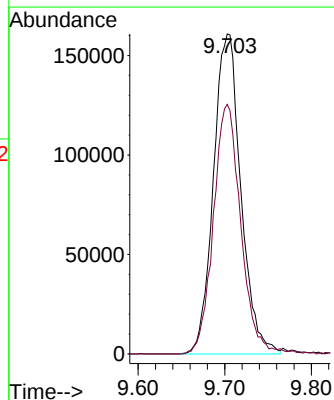
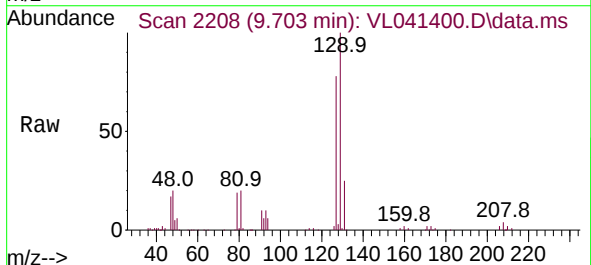
Acq: 25 Jul 2024 14:40

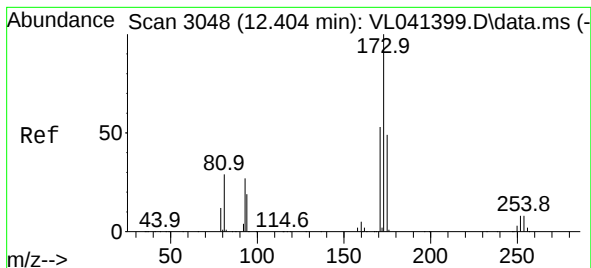
Tgt Ion: 129 Resp: 353718

Ion Ratio Lower Upper

129 100

127 78.1 39.3 117.8





#49

Bromoform

Concen: 2.073 ppbv

RT: 12.401 min Scan# 3048

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

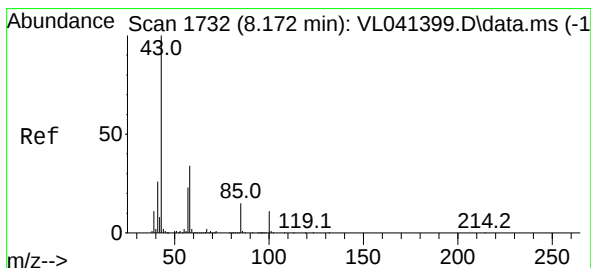
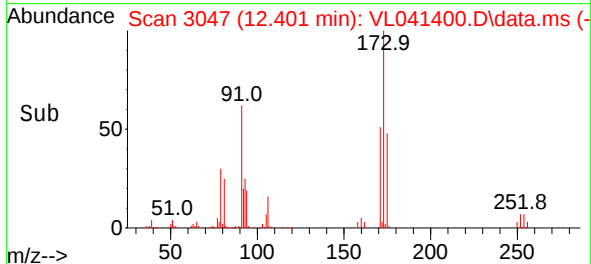
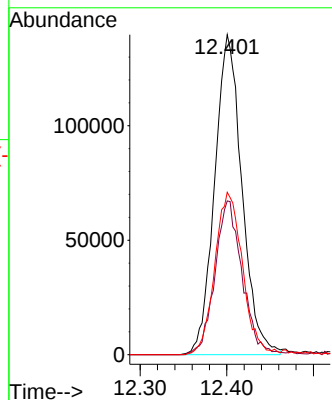
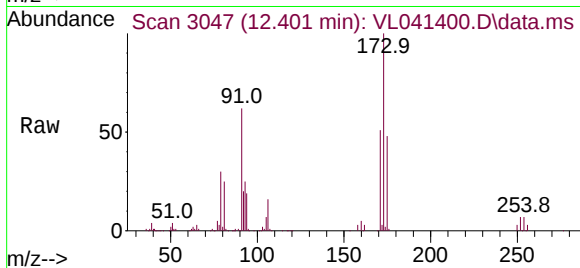
Tgt Ion:173 Resp: 305646

Ion Ratio Lower Upper

173 100

175 48.5 39.9 59.9

171 52.1 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 2.029 ppbv

RT: 8.176 min Scan# 1733

Delta R.T. 0.003 min

Lab File: VL041400.D

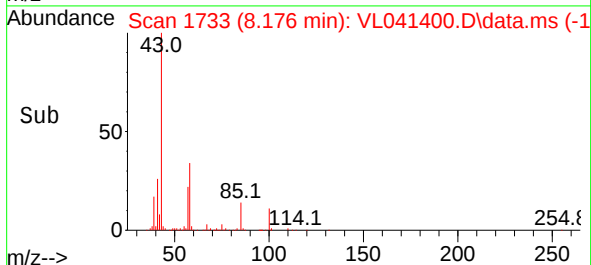
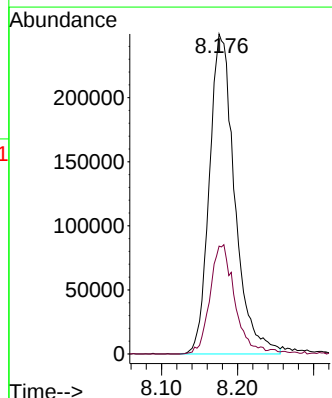
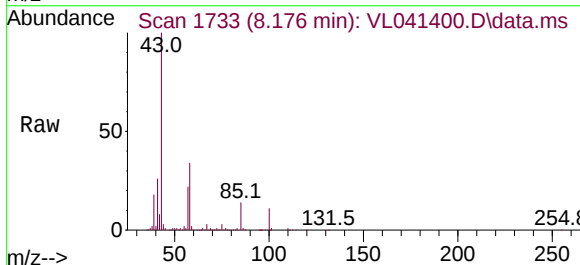
Acq: 25 Jul 2024 14:40

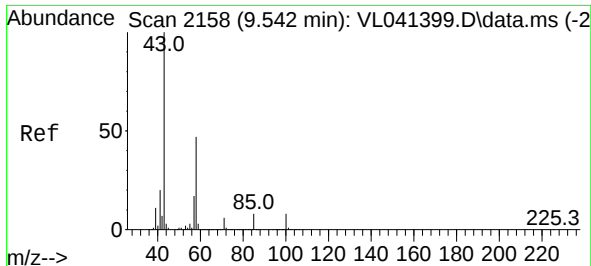
Tgt Ion: 43 Resp: 577958

Ion Ratio Lower Upper

43 100

58 34.1 27.9 41.9

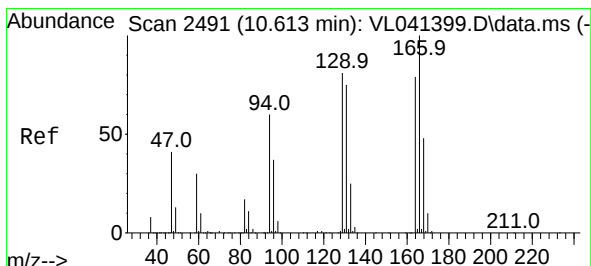
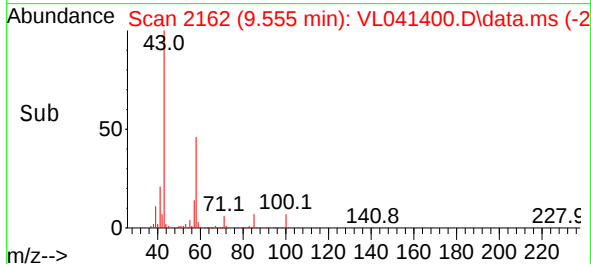
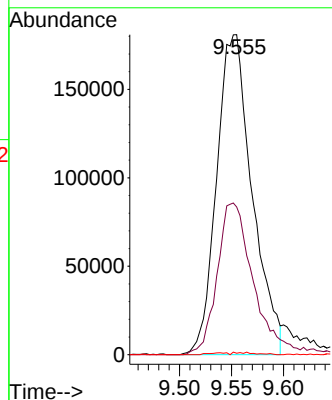
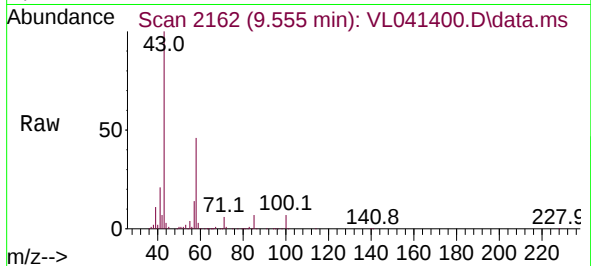




#51
2-Hexanone
Concen: 2.124 ppbv
RT: 9.555 min Scan# 2158
Delta R.T. 0.013 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

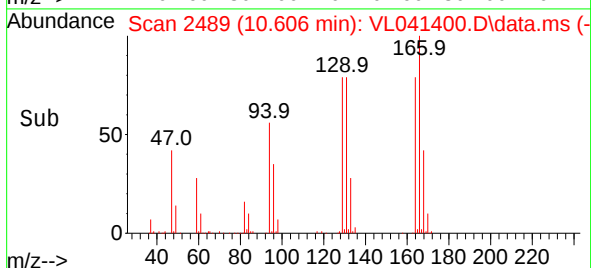
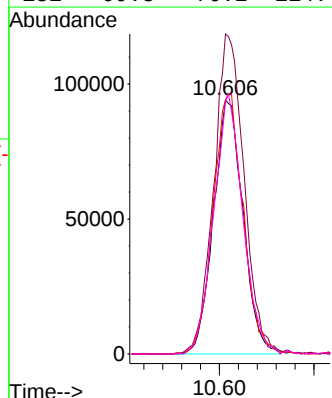
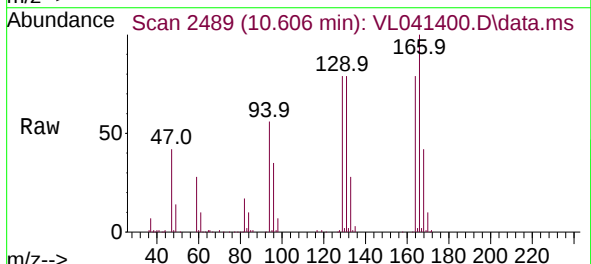
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

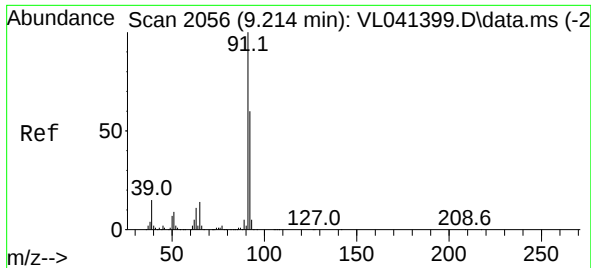
Tgt Ion: 43 Resp: 430093
Ion Ratio Lower Upper
43 100
58 50.4 38.2 57.2
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 1.829 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.006 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion:164 Resp: 204374
Ion Ratio Lower Upper
164 100
166 125.7 101.1 151.7
129 100.2 81.7 122.5
131 99.3 76.2 114.4

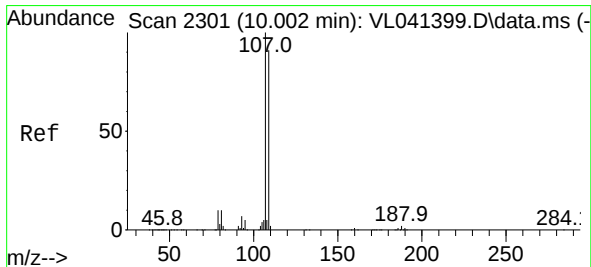
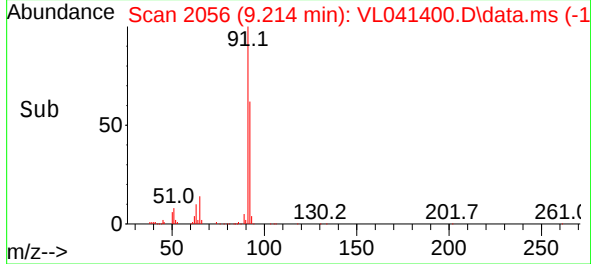
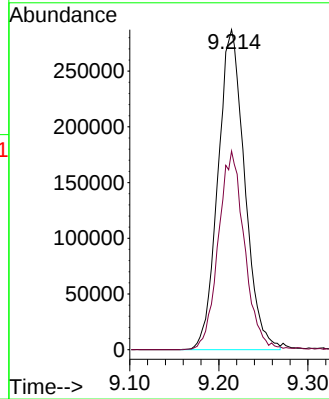
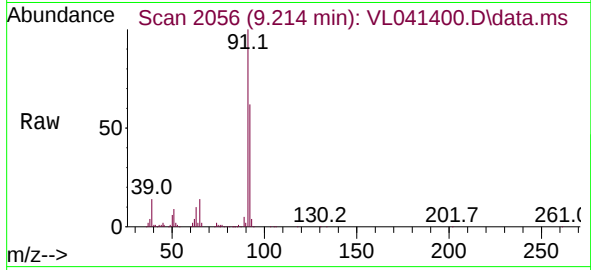




#53
Toluene
Concen: 1.905 ppbv
RT: 9.214 min Scan# 2056
Delta R.T. 0.000 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

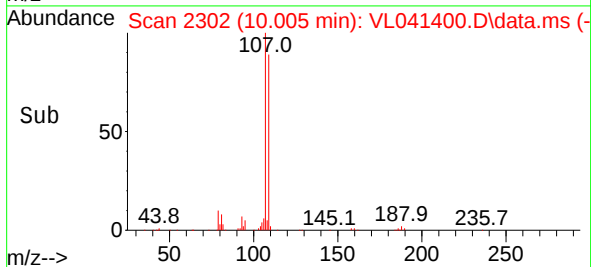
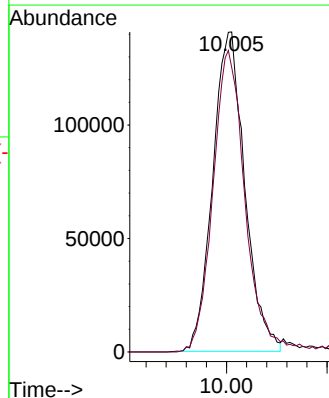
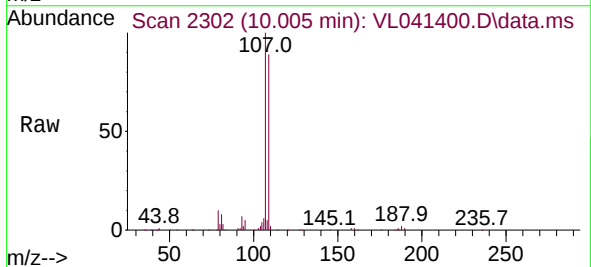
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

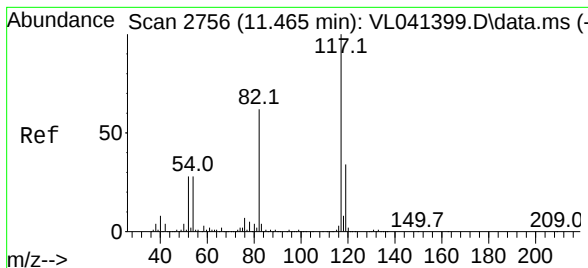
Tgt Ion: 91 Resp: 597804
Ion Ratio Lower Upper
91 100
92 61.2 48.7 73.1



#54
1,2-Dibromoethane
Concen: 2.182 ppbv
RT: 10.005 min Scan# 2302
Delta R.T. 0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion: 107 Resp: 311374
Ion Ratio Lower Upper
107 100
109 88.9 72.7 109.1

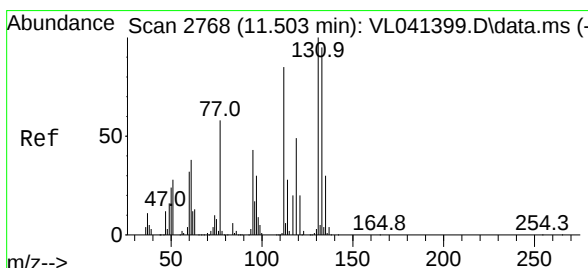
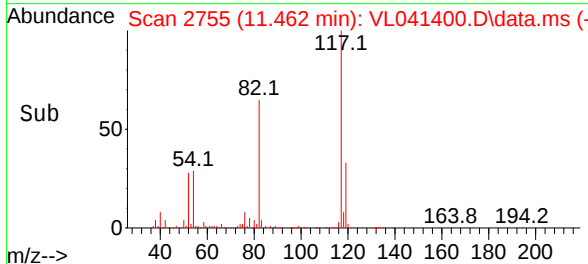
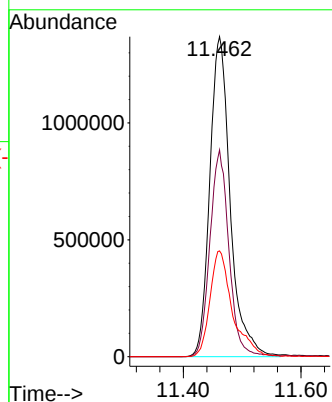
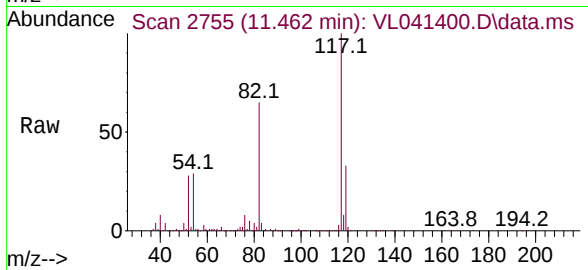




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

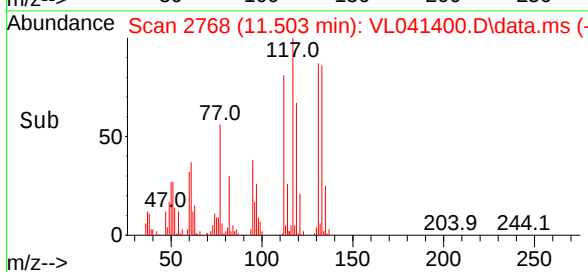
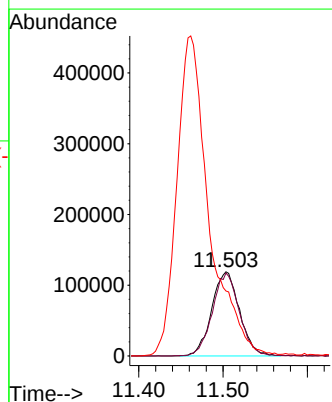
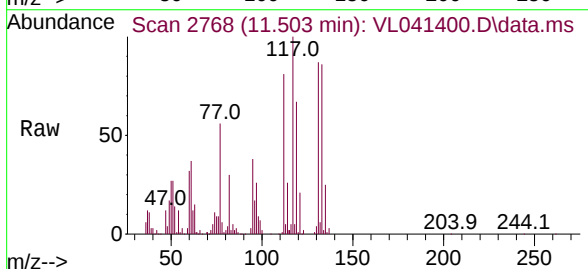
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

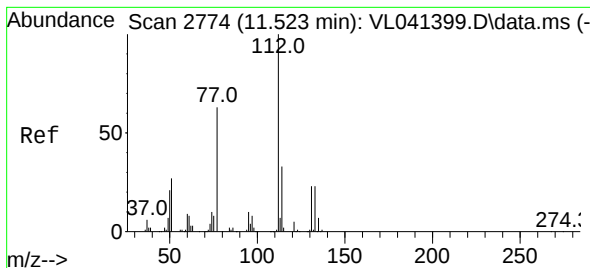
Tgt Ion:117 Resp: 3300753
Ion Ratio Lower Upper
117 100
82 60.8 51.0 76.6
119 36.4 45.2 67.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 1.832 ppbv
RT: 11.503 min Scan# 2768
Delta R.T. 0.000 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion:131 Resp: 272178
Ion Ratio Lower Upper
131 100
133 95.6 77.0 115.4
119 443.1 121.5 182.3#

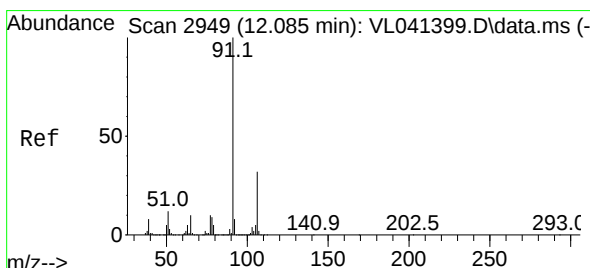
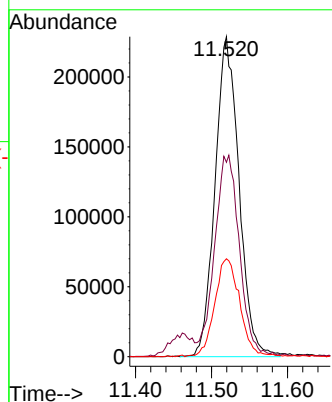
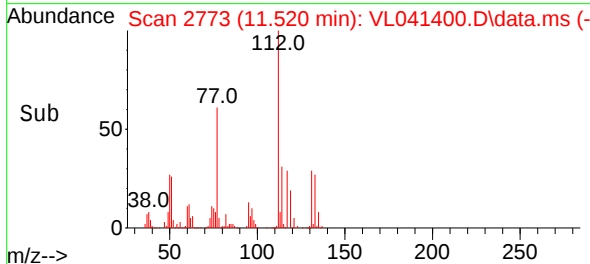
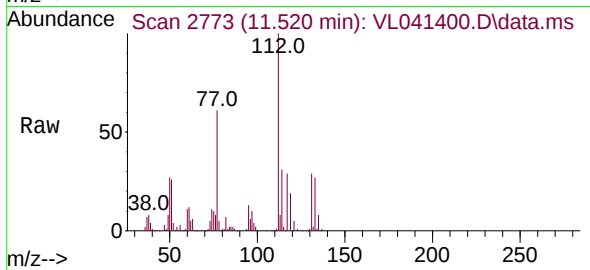




#57
Chlorobenzene
Concen: 1.933 ppbv
RT: 11.520 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

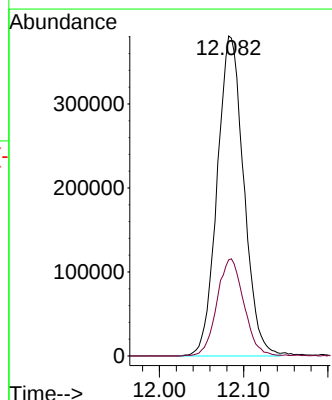
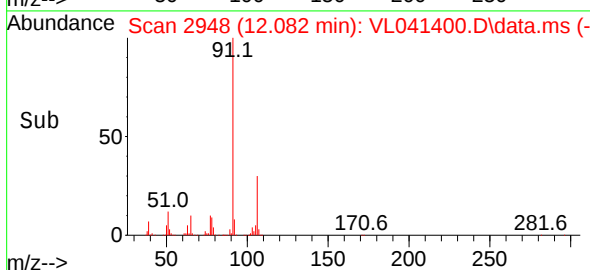
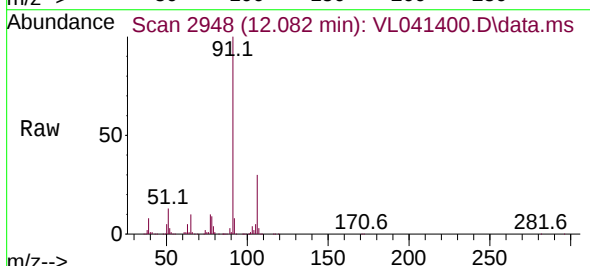
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

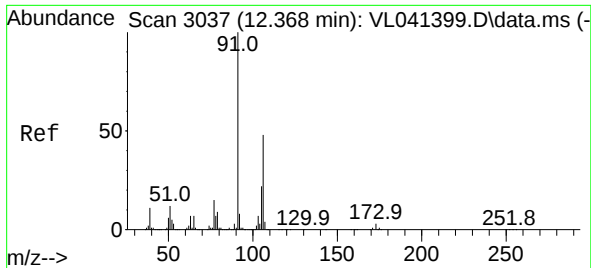
Tgt Ion:112 Resp: 500573
Ion Ratio Lower Upper
112 100
77 60.4 51.1 76.7
114 30.3 29.5 36.1



#58
Ethyl Benzene
Concen: 1.887 ppbv
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion: 91 Resp: 833428
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8





#59

m/p-Xylene

Concen: 1.991 ppbv

RT: 12.365 min Scan# 3037

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

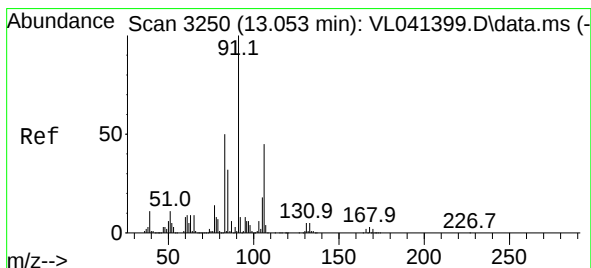
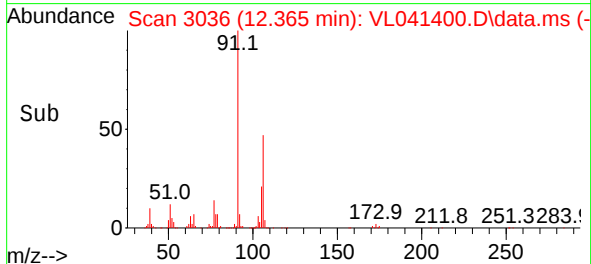
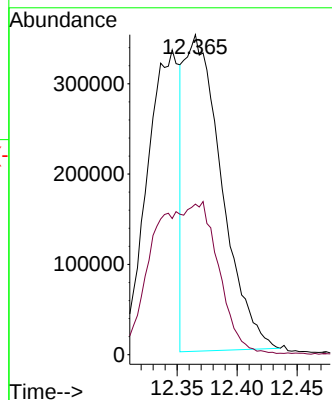
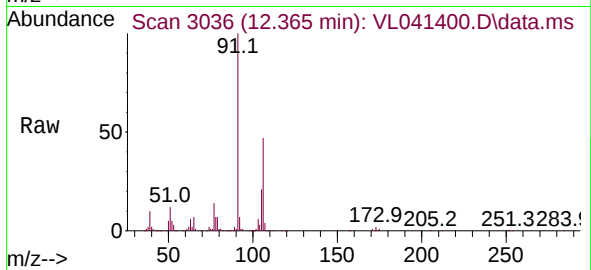
VSTDIC002

Tgt Ion: 91 Resp: 760843

Ion Ratio Lower Upper

91 100

106 85.7 36.3 54.5#



#60

o-Xylene

Concen: 1.900 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VL041400.D

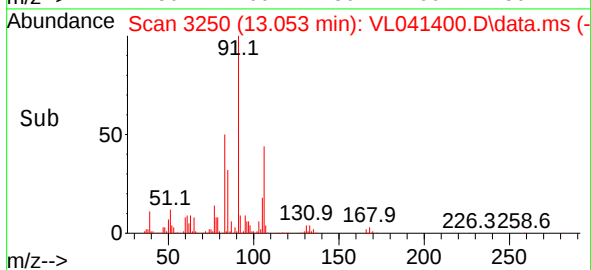
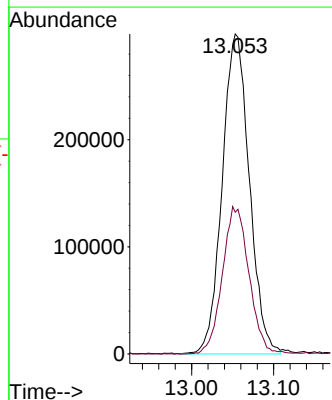
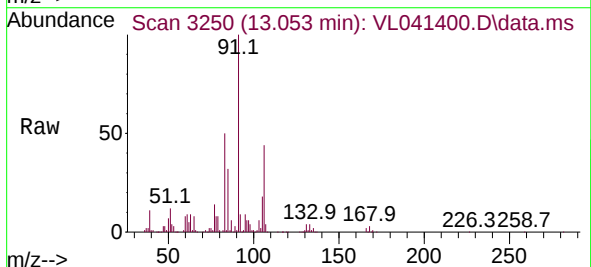
Acq: 25 Jul 2024 14:40

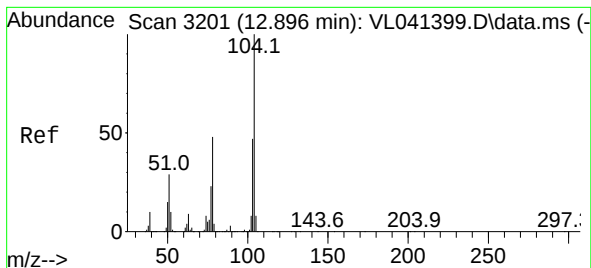
Tgt Ion: 91 Resp: 685320

Ion Ratio Lower Upper

91 100

106 45.8 23.1 69.3





#61

Styrene

Concen: 1.763 ppbv

RT: 12.896 min Scan# 3201

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

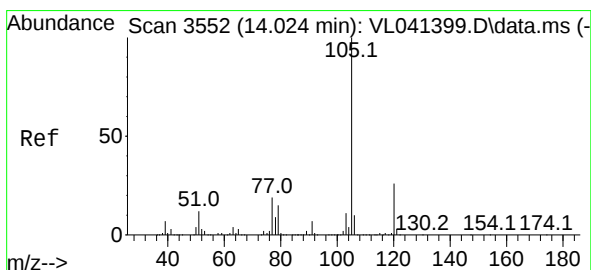
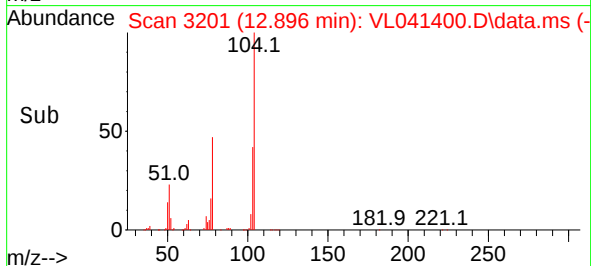
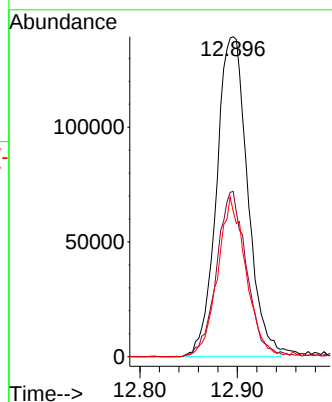
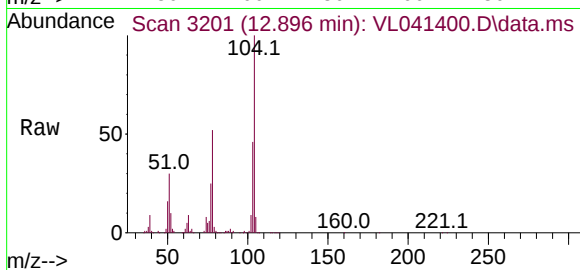
Tgt Ion:104 Resp: 308833

Ion Ratio Lower Upper

104 100

78 50.3 40.8 61.2

103 46.5 38.2 57.4



#62

Isopropylbenzene

Concen: 1.850 ppbv

RT: 14.027 min Scan# 3553

Delta R.T. 0.003 min

Lab File: VL041400.D

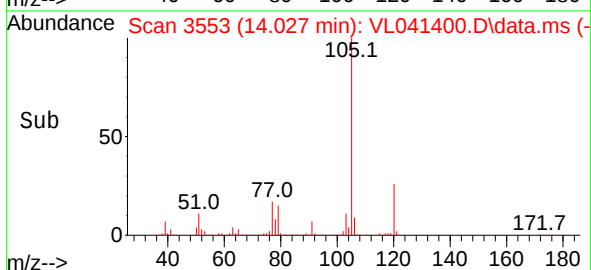
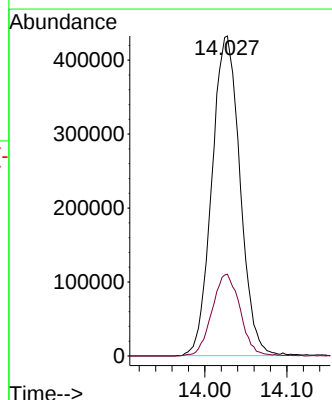
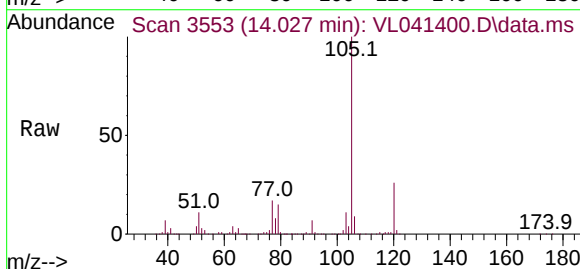
Acq: 25 Jul 2024 14:40

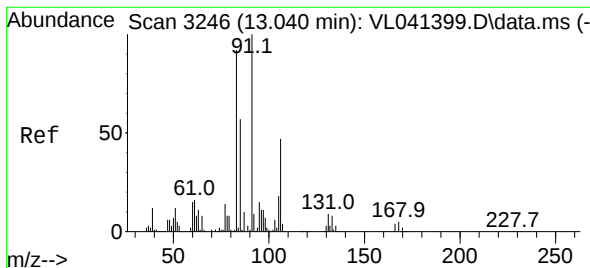
Tgt Ion:105 Resp: 1029899

Ion Ratio Lower Upper

105 100

120 25.7 21.0 31.4





#63

1,1,2,2-Tetrachloroethane

Concen: 1.509 ppbv

RT: 13.044 min Scan# 3246

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

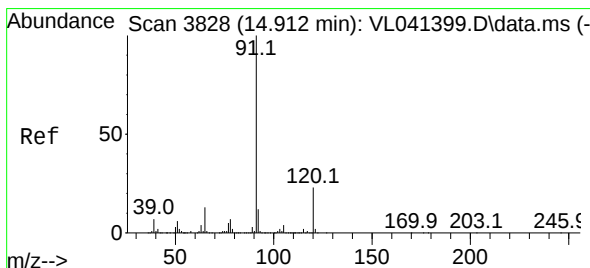
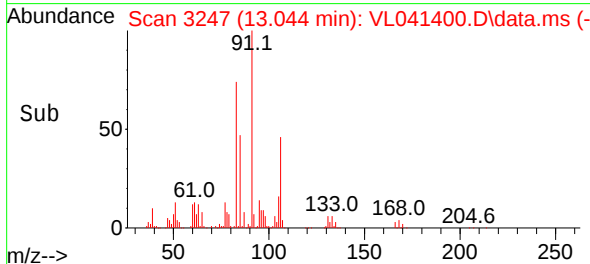
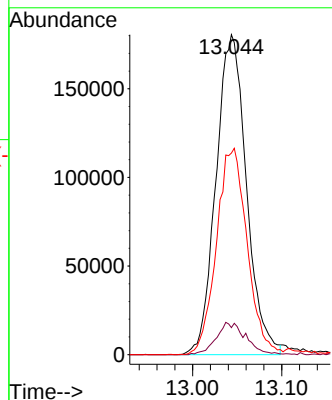
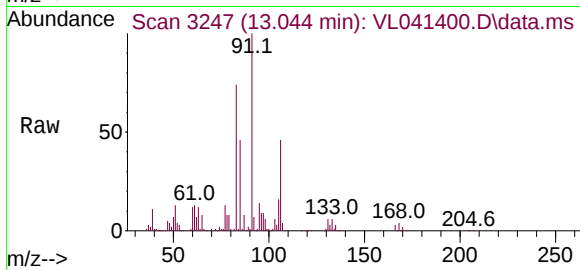
Tgt Ion: 83 Resp: 428827

Ion Ratio Lower Upper

83 100

131 10.0 4.8 14.4

85 66.8 32.6 98.0



#64

n-propylbenzene

Concen: 1.852 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. 0.000 min

Lab File: VL041400.D

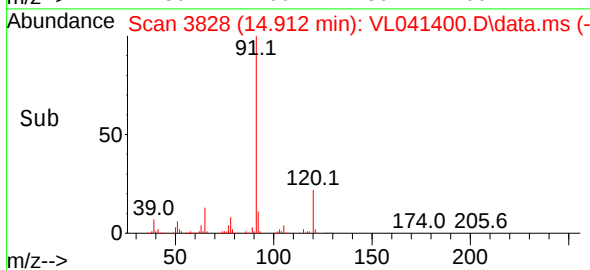
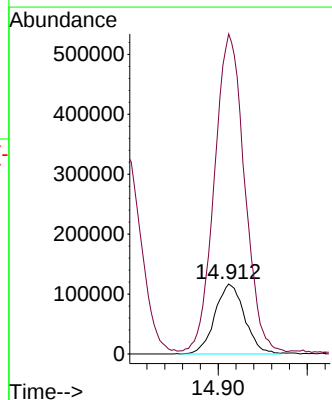
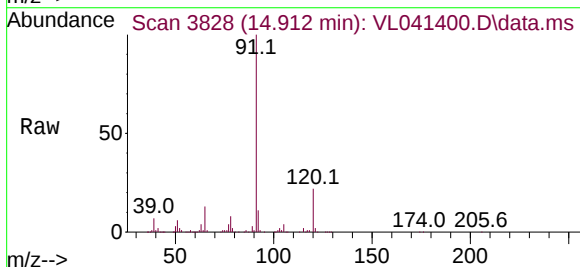
Acq: 25 Jul 2024 14:40

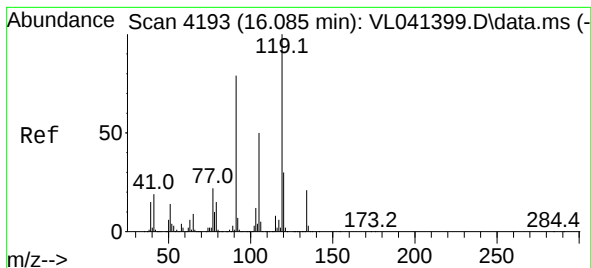
Tgt Ion:120 Resp: 269236

Ion Ratio Lower Upper

120 100

91 474.9 361.4 542.0





#65

tert-Butylbenzene

Concen: 1.928 ppbv

RT: 16.085 min Scan# 4193

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

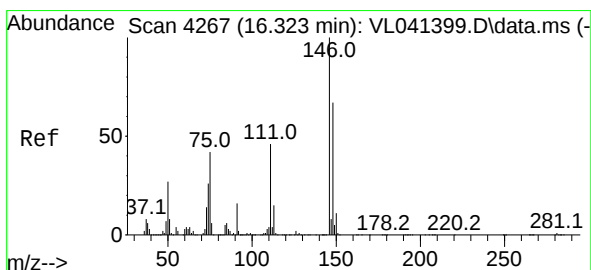
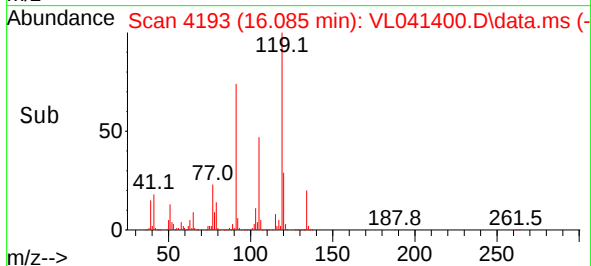
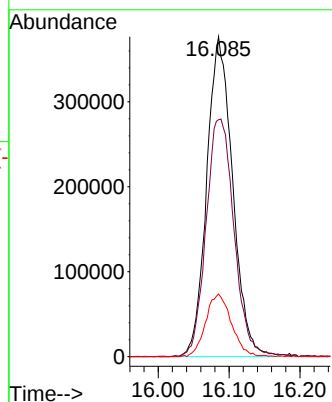
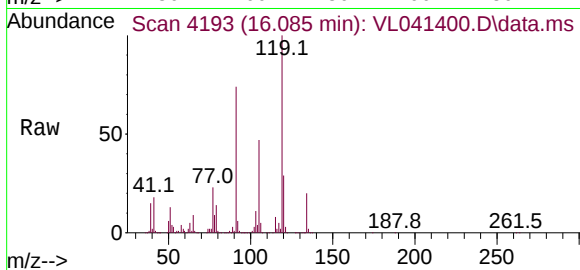
Tgt Ion:119 Resp: 956093

Ion Ratio Lower Upper

119 100

91 80.5 64.2 96.2

134 19.6 15.7 23.5



#66

Benzyl Chloride

Concen: 0.557 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

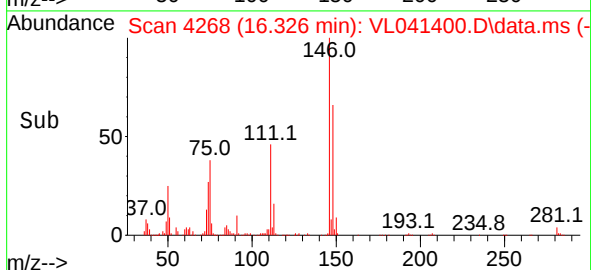
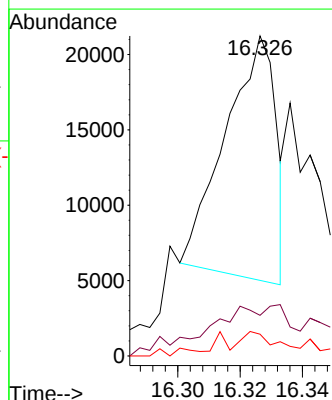
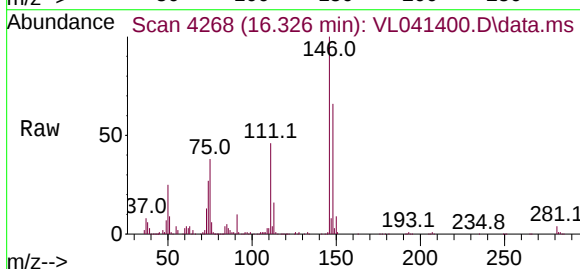
Tgt Ion: 91 Resp: 18135

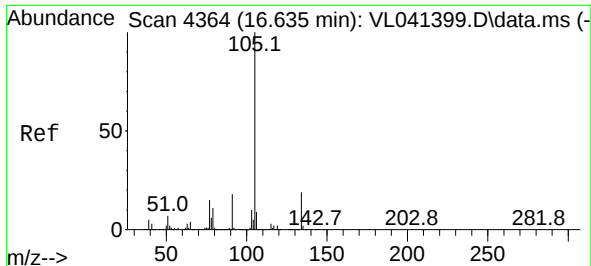
Ion Ratio Lower Upper

91 100

126 43.9 13.8 20.8#

128 16.3 4.4 6.6#





#67

sec-Butylbenzene

Concen: 1.898 ppbv

RT: 16.635 min Scan# 4364

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

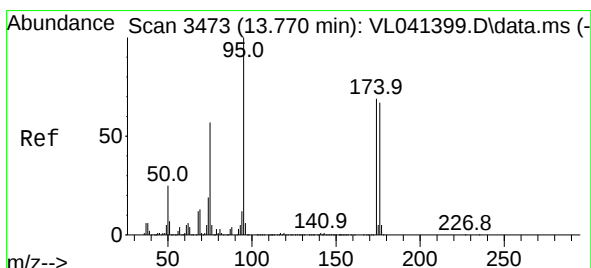
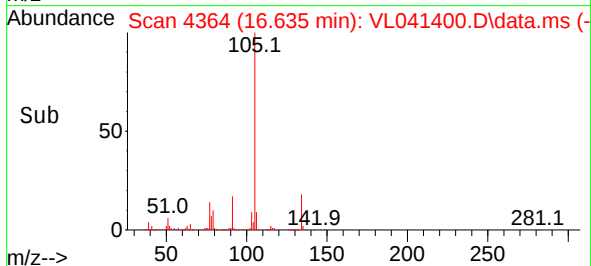
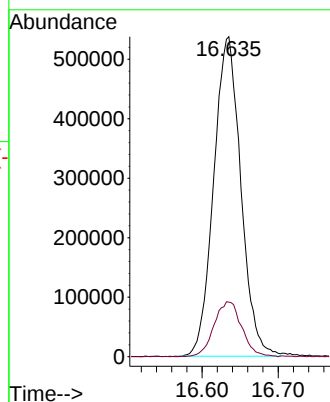
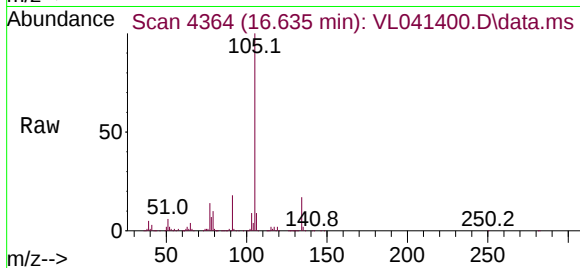
VSTDICC002

Tgt Ion:105 Resp: 1331315

Ion Ratio Lower Upper

105 100

134 17.6 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 10.190 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

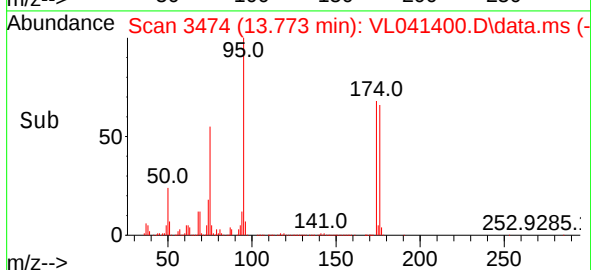
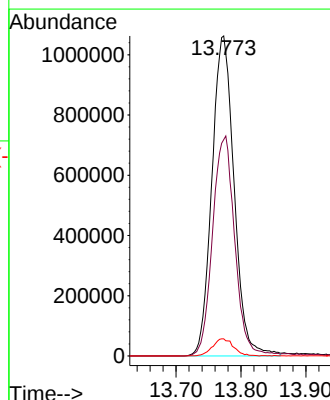
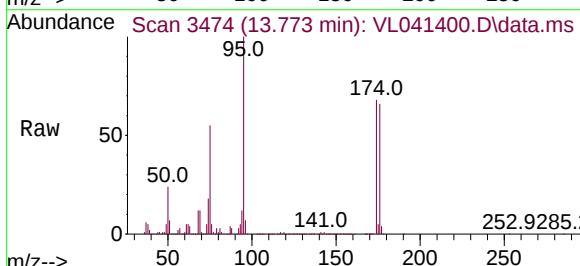
Tgt Ion: 95 Resp: 2521024

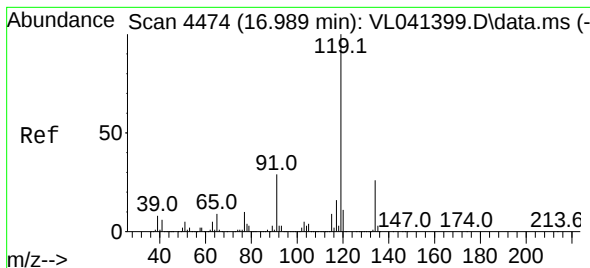
Ion Ratio Lower Upper

95 100

174 70.0 56.3 84.5

175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 1.908 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

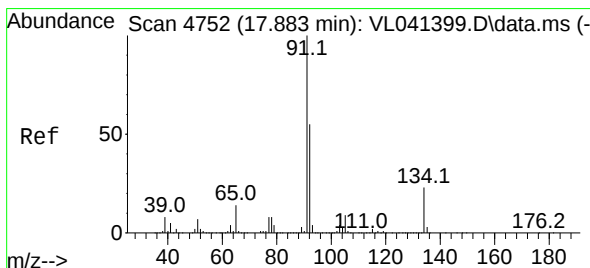
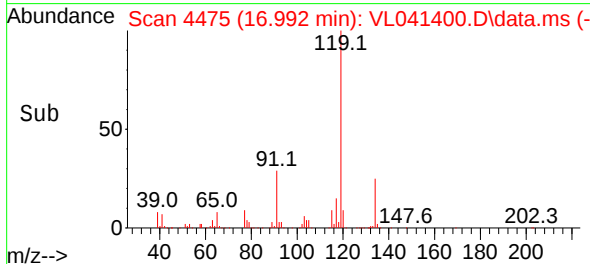
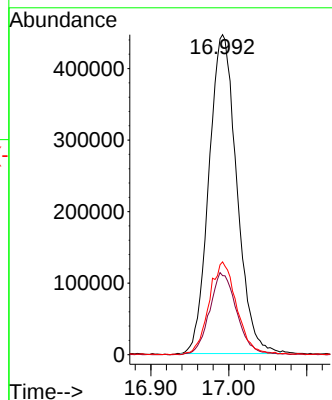
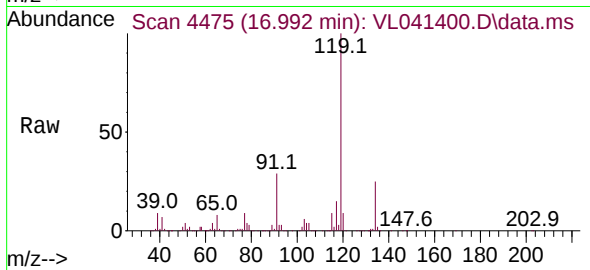
Tgt Ion:119 Resp: 1105164

Ion Ratio Lower Upper

119 100

134 25.3 20.5 30.7

91 29.1 23.2 34.8



#70

n-Butylbenzene

Concen: 1.931 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

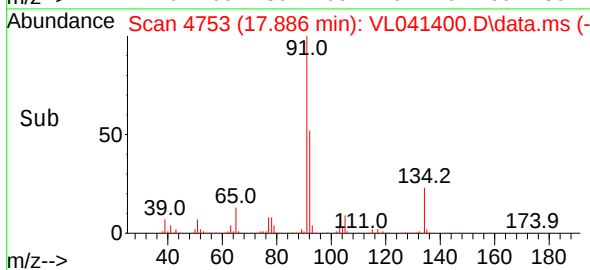
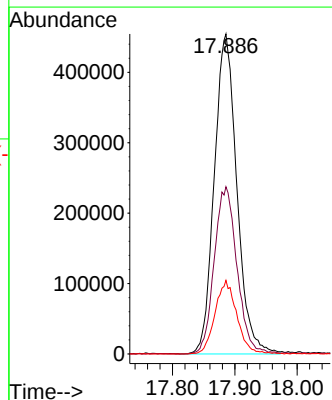
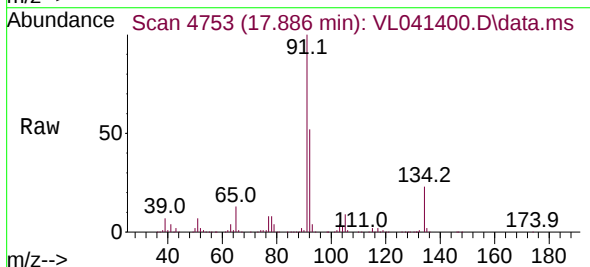
Tgt Ion: 91 Resp: 1142994

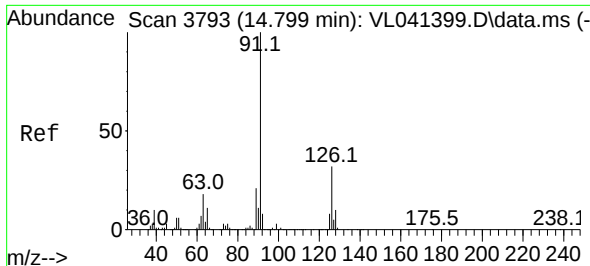
Ion Ratio Lower Upper

91 100

92 53.1 43.2 64.8

134 22.2 18.5 27.7

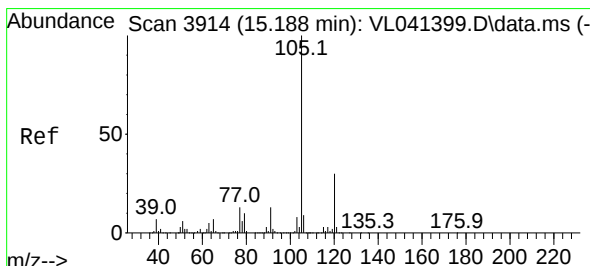
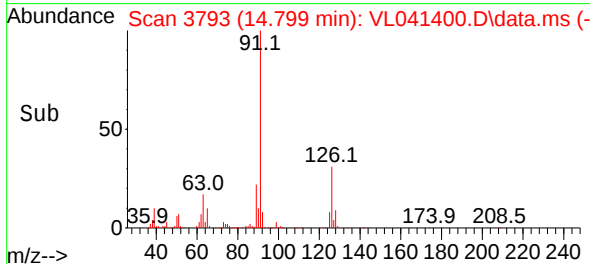
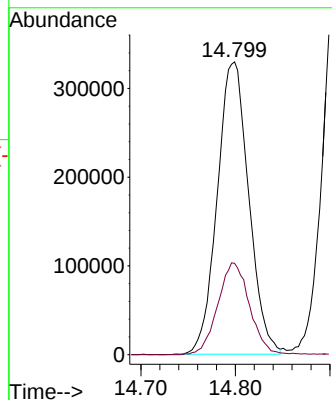
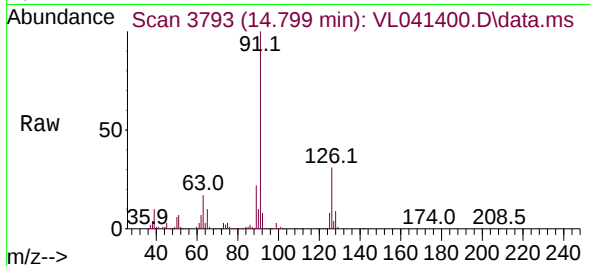




#71
2-Chlorotoluene
Concen: 1.842 ppbv
RT: 14.799 min Scan# 3793
Delta R.T. 0.000 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

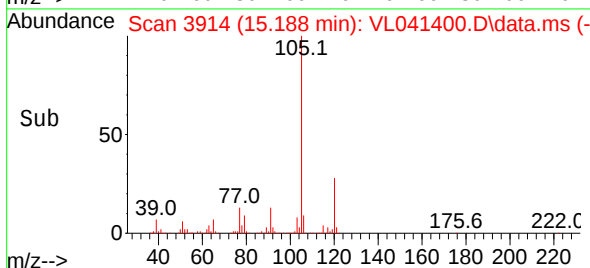
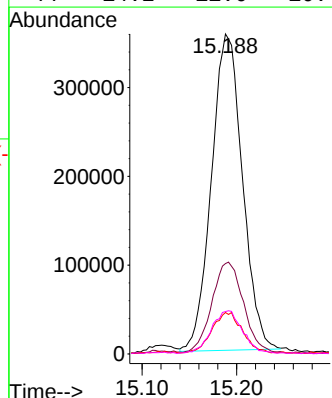
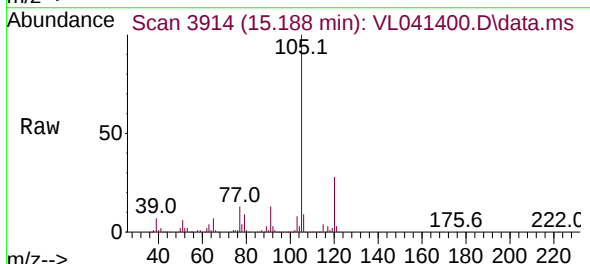
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

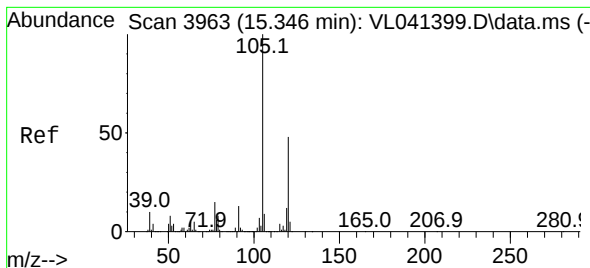
Tgt Ion: 91 Resp: 762002
Ion Ratio Lower Upper
91 100
126 32.2 12.7 50.9



#72
4-Ethyltoluene
Concen: 1.889 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL041400.D
Acq: 25 Jul 2024 14:40

Tgt Ion:105 Resp: 811504
Ion Ratio Lower Upper
105 100
120 30.5 24.2 36.2
91 13.1 10.4 15.6
77 14.2 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 1.925 ppbv

RT: 15.349 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_1

ClientSampleId :

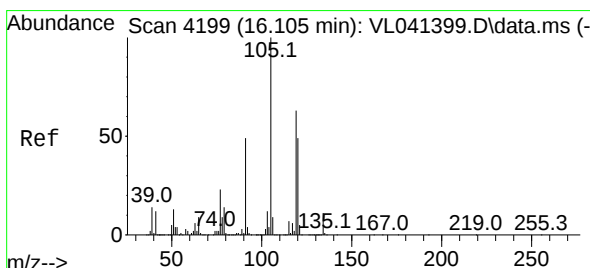
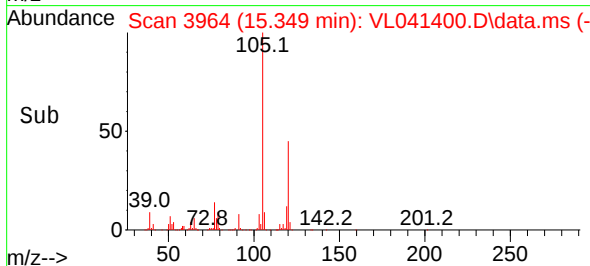
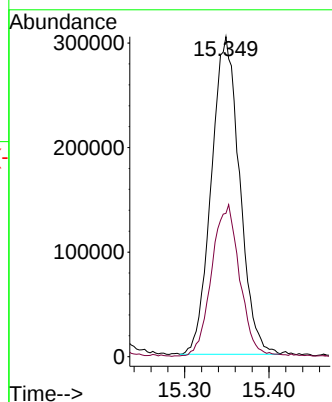
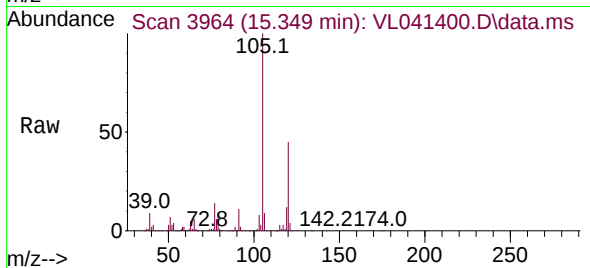
VSTDIC002

Tgt Ion:105 Resp: 707827

Ion Ratio Lower Upper

105 100

120 44.9 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 1.972 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Tgt Ion:105 Resp: 817315

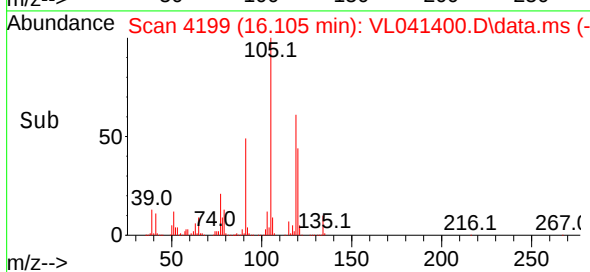
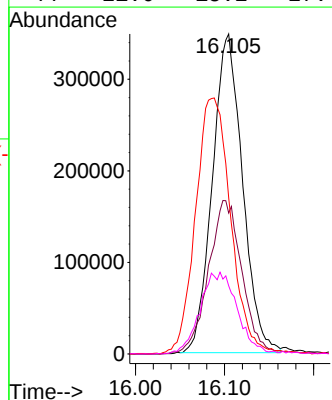
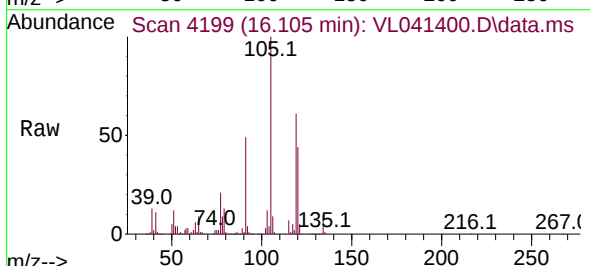
Ion Ratio Lower Upper

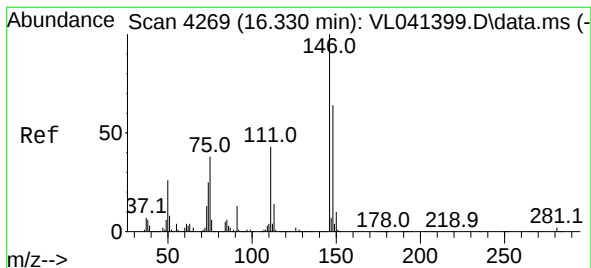
105 100

120 43.2 39.5 59.3

91 48.0 39.8 59.8

77 21.0 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 2.061 ppbv

RT: 16.326 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

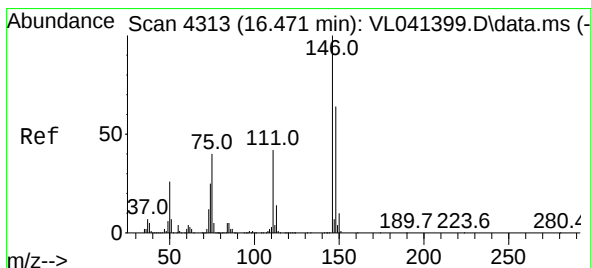
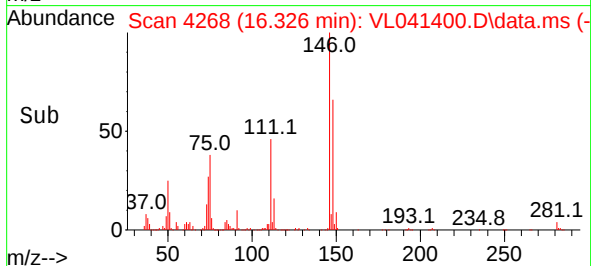
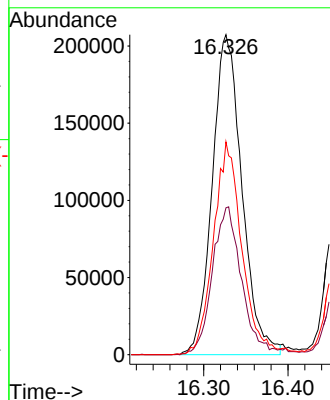
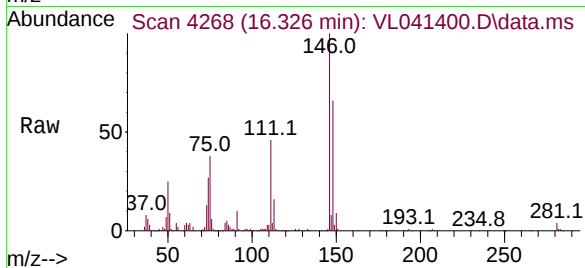
Tgt Ion:146 Resp: 506675

Ion Ratio Lower Upper

146 100

111 46.0 22.6 67.8

148 64.1 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 1.931 ppbv

RT: 16.468 min Scan# 4312

Delta R.T. -0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

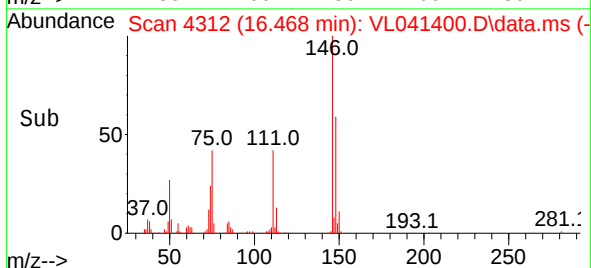
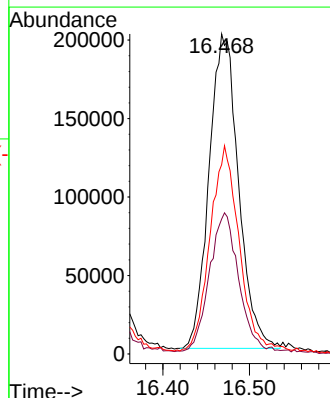
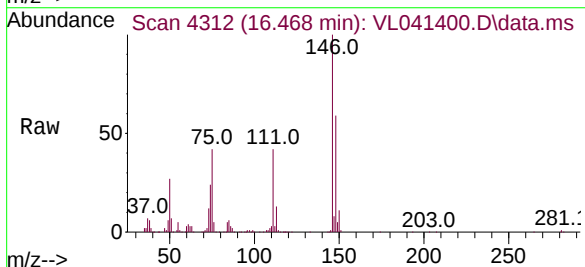
Tgt Ion:146 Resp: 472957

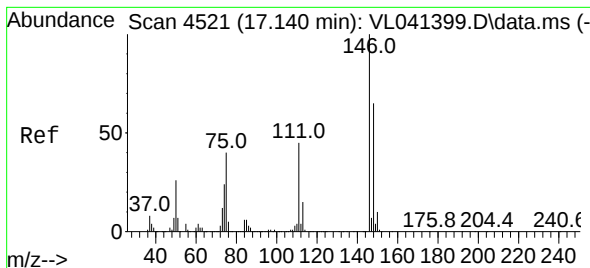
Ion Ratio Lower Upper

146 100

111 47.2 22.4 67.0

148 67.8 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 2.019 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

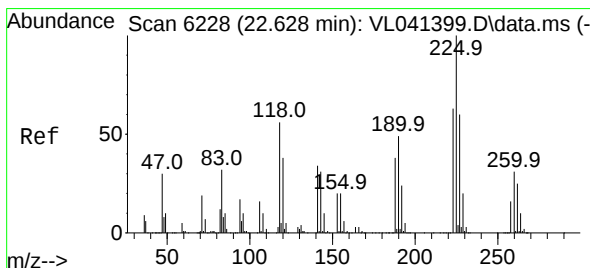
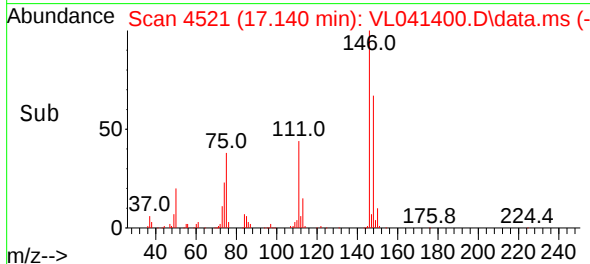
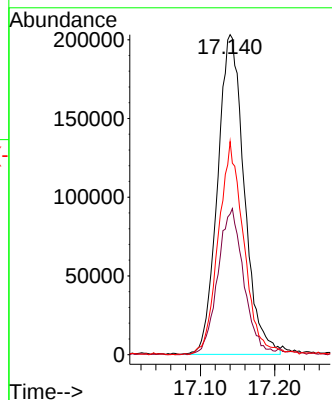
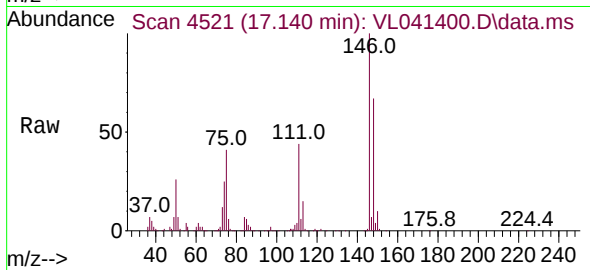
Tgt Ion:146 Resp: 506084

Ion Ratio Lower Upper

146 100

111 45.7 23.4 70.0

148 64.5 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 2.407 ppbv

RT: 22.628 min Scan# 6228

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

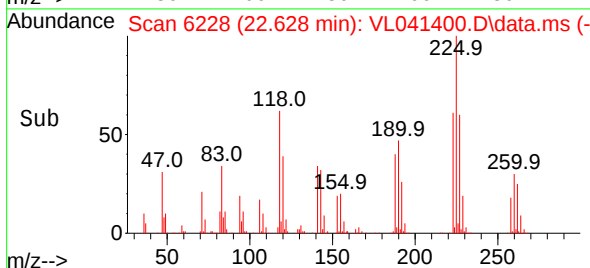
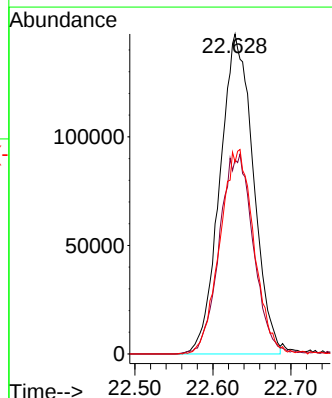
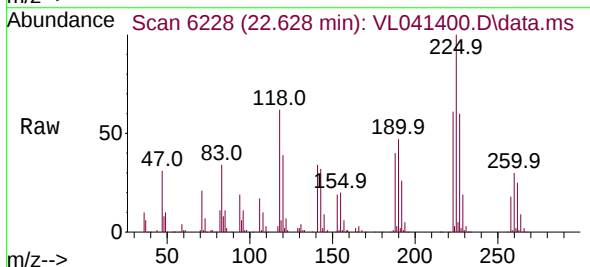
Tgt Ion:225 Resp: 438766

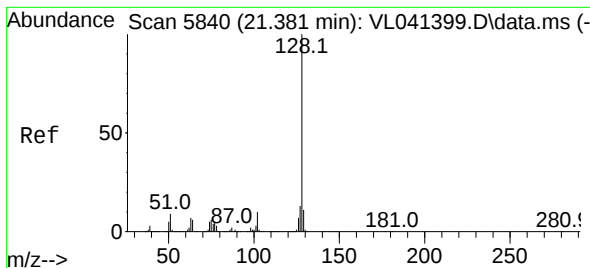
Ion Ratio Lower Upper

225 100

223 64.1 50.6 76.0

227 65.3 50.8 76.2





#79

Naphthalene

Concen: 3.710 ppbv

RT: 21.384 min Scan# 5840

Delta R.T. 0.003 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

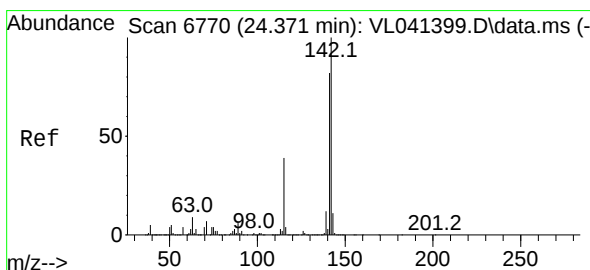
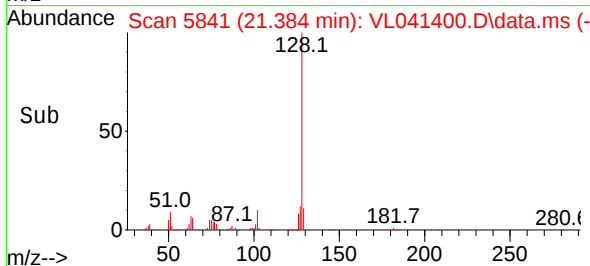
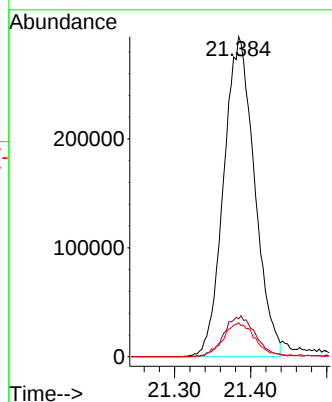
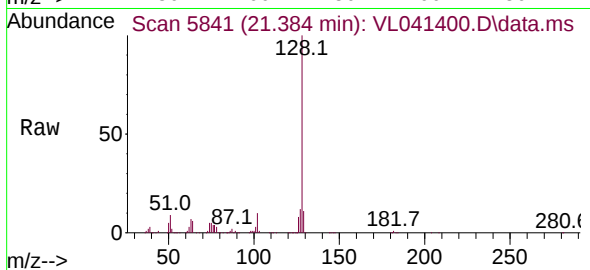
Tgt Ion:128 Resp: 826782

Ion Ratio Lower Upper

128 100

127 11.8 10.3 15.5

129 10.6 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 1025.625 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. 0.000 min

Lab File: VL041400.D

Acq: 25 Jul 2024 14:40

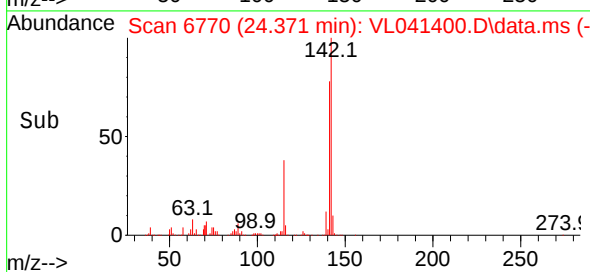
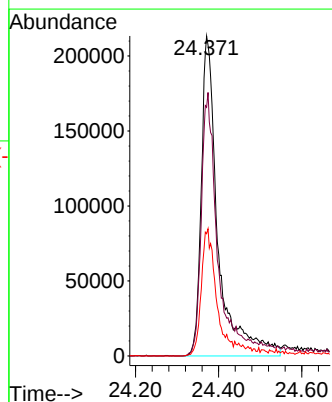
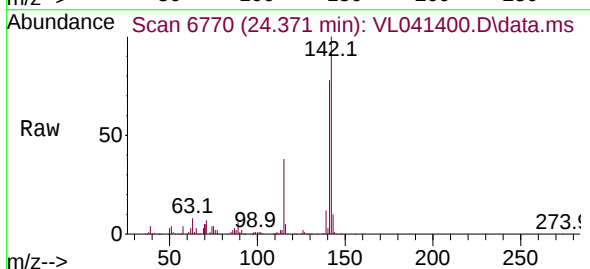
Tgt Ion:142 Resp: 601537

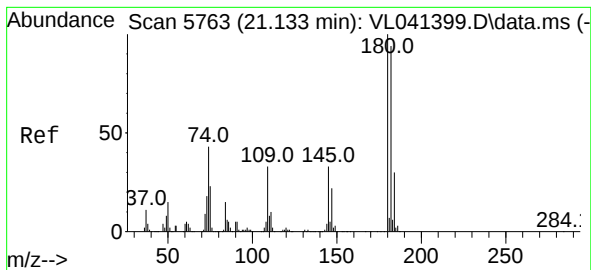
Ion Ratio Lower Upper

142 100

141 83.3 67.0 100.4

115 38.6 32.2 48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 3.095 ppbv
 RT: 21.140 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL041400.D
 Acq: 25 Jul 2024 14:40

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 426225
 Ion Ratio Lower Upper
 180 100
 182 102.2 76.7 115.1
 184 33.1 24.5 36.7

