

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041088.D
 Acq On : 11 Mar 2024 14:55
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Mar 12 05:52:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 05:47:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	1509313	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	3798074	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3676284	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	2931349	10.198	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	3841525	13.357	ppbv	99
3) Chlorodifluoromethane	2.674	51	2964251	13.372	ppbv	98
4) Chloromethane	2.816	50	1119022	13.338	ppbv	100
5) Vinyl Chloride	2.922	62	1203231	14.094	ppbv	99
6) Bromomethane	3.121	94	491124	14.507	ppbv	96
7) Chloroethane	3.198	64	409951	13.644	ppbv	97
8) Dichlorotetrafluoroethane	2.857	85	2878716	13.784	ppbv	98
9) Propene	2.693	41	1029720	13.949	ppbv	100
10) Heptane	7.594	43	2603987	14.742	ppbv	99
11) Trichlorofluoromethane	3.568	101	3045125	13.731	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.073	101	2187648	13.417	ppbv	98
13) Ethanol	3.243	45	235616	12.614	ppbv	97
14) Bromoethene	3.369	108	905548	14.243	ppbv	99
15) Acetone	3.472	43	2044357	11.889	ppbv	99
16) 1,3-Butadiene	2.986	39	1129514	13.952	ppbv	100
17) tert-Butyl alcohol	3.886	59	1696670	13.271	ppbv	99
18) 1,1-Dichloroethene	3.886	96	979041	13.636	ppbv	100
19) Isopropyl Alcohol	3.581	45	1211486	13.190	ppbv	99
20) Methylene Chloride	3.941	84	842783	12.572	ppbv	98
21) Allyl Chloride	4.002	41	1396919	14.384	ppbv	100
22) trans-1,2-Dichloroethene	4.455	96	1275592	14.923	ppbv	98
23) Vinyl Acetate	4.636	43	3184166	16.675	ppbv	98
24) 1,1-Dichloroethane	4.571	63	2567294	14.605	ppbv	99
25) Ethyl Acetate	5.214	43	4378895	14.135	ppbv	100
26) Hexane	5.224	57	1943739	13.990	ppbv	98
27) Carbon Disulfide	4.131	76	2735059	16.478	ppbv	100
28) Methyl tert-Butyl Ether	4.594	73	1812107	14.802	ppbv	99
29) Chloroform	5.288	83	3299110	13.805	ppbv	99
30) Cyclohexane	6.616	84	1646237	14.479	ppbv	98
31) cis-1,2-Dichloroethene	5.089	61	2005053	14.897	ppbv	95
32) 1,1,1-Trichloroethane	6.015	97	3262097	15.238	ppbv	99
34) 2-Butanone	4.793	43	2820733	14.959	ppbv	99
35) Carbon Tetrachloride	6.510	117	3470664	15.693	ppbv	98
36) Benzene	6.385	78	4105500	14.522	ppbv	99
37) 1,2-Dichloroethane	5.819	62	2455251	14.435	ppbv	99
38) Trichloroethene	7.307	130	1619988	15.349	ppbv	95
39) 1,2-Dichloropropane	7.089	63	1606031	14.206	ppbv	97
40) 1,4-Dioxane	7.298	88	649919	14.582	ppbv #	1
41) Tetrahydrofuran	5.565	42	1707417	15.262	ppbv	99
42) Bromodichloromethane	7.266	83	3647800	14.970	ppbv	99
43) Methyl Methacrylate	7.491	69	1745556	15.981	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	6613436	13.996	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	1404811	18.517	ppbv	97

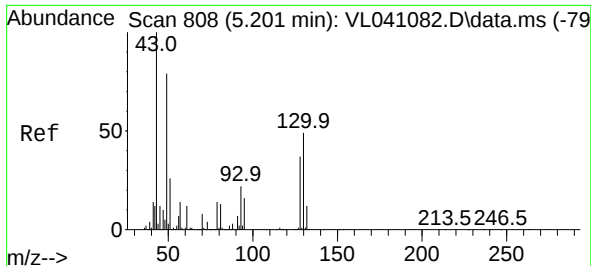
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041088.D
 Acq On : 11 Mar 2024 14:55
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Quant Time: Mar 12 05:52:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 12 05:47:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.159	75	1615394	17.090	ppbv	99
47) 1,1,2-Trichloroethane	8.915	97	1796186	14.864	ppbv	96
48) Dibromochloromethane	9.725	129	3118517	15.841	ppbv	100
49) Bromoform	12.426	173	2603825	16.650	ppbv	100
50) 4-Methyl-2-Pentanone	8.195	43	4263550	15.372	ppbv	99
51) 2-Hexanone	9.565	43	3149583	15.334	ppbv #	98
52) Tetrachloroethene	10.635	164	1436437	16.340	ppbv	98
53) Toluene	9.237	91	4731635	15.527	ppbv	99
54) 1,2-Dibromoethane	10.028	107	2596014	16.745	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.529	131	2235161	14.200	ppbv	100
57) Chlorobenzene	11.545	112	3683217	13.994	ppbv	99
58) Ethyl Benzene	12.108	91	6384257	14.833	ppbv	98
59) m/p-Xylene	12.394	91	5799476	15.348	ppbv #	38
60) o-Xylene	12.079	91	5230094	14.593	ppbv	98
61) Styrene	12.918	104	2789472	17.065	ppbv	99
62) Isopropylbenzene	14.047	105	7526739	14.119	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.066	83	3919539	14.322	ppbv	100
64) n-propylbenzene	14.937	120	2037703	15.168	ppbv	89
65) tert-Butylbenzene	16.111	119	6666512	14.415	ppbv	99
66) Benzyl Chloride	16.346	91	583309	18.717	ppbv	100
67) sec-Butylbenzene	16.658	105	9291872	13.948	ppbv	98
69) p-Isopropyltoluene	17.018	119	7642726	14.707	ppbv	99
70) n-Butylbenzene	17.905	91	8163015	14.534	ppbv	98
71) 2-Chlorotoluene	14.822	91	5979929	14.671	ppbv	98
72) 4-Ethyltoluene	15.211	105	6111660	15.474	ppbv	98
73) 1,3,5-Trimethylbenzene	15.371	105	5269144	15.076	ppbv	100
74) 1,2,4-Trimethylbenzene	16.127	105	5702555	14.286	ppbv	94
75) 1,3-Dichlorobenzene	16.494	146	3371309	14.798	ppbv	99
76) 1,4-Dichlorobenzene	16.494	146	3371309	14.708	ppbv	99
77) 1,2-Dichlorobenzene	17.162	146	3283543	14.592	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	1978518	12.571	ppbv	100
79) Naphthalene	21.407	128	4389432	18.684	ppbv	99
80) Naphthalene,2-methyl-	24.397	142	737644	24.046	ppbv	94
81) 1,2,4-Trichlorobenzene	21.159	180	2139022	15.930	ppbv	100

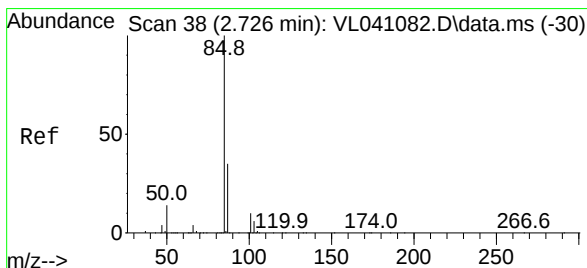
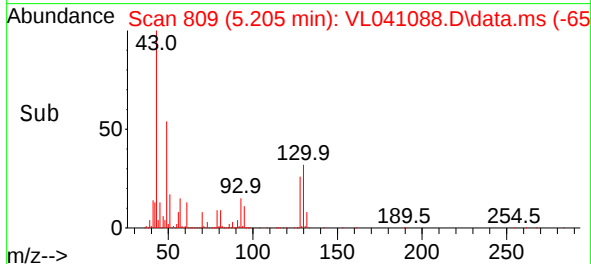
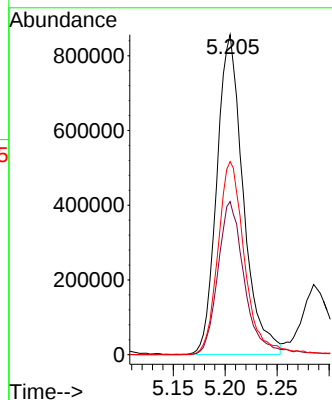
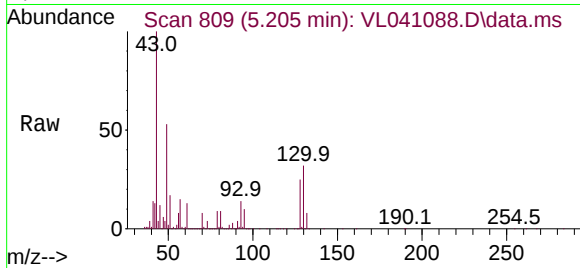
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

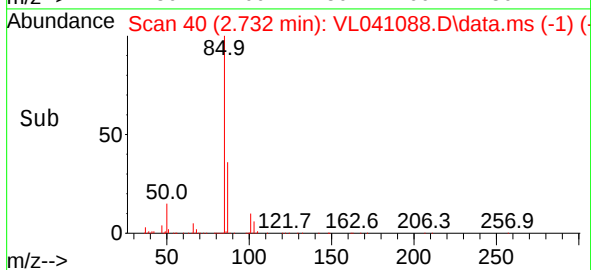
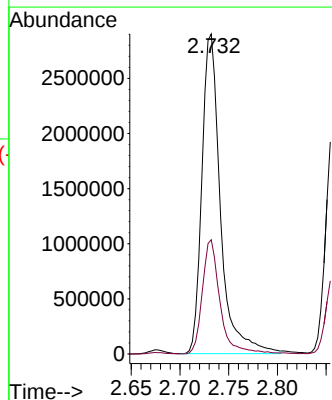
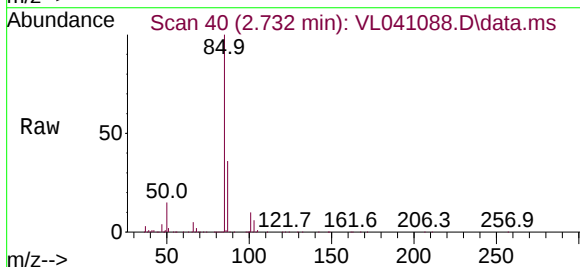
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

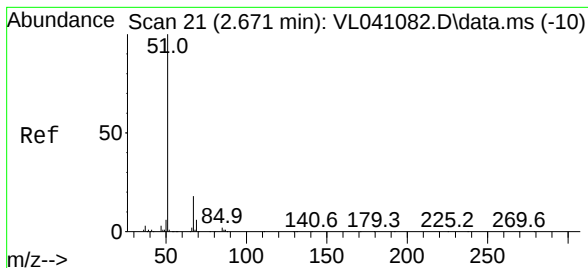
Tgt Ion: 49 Resp: 1509313
Ion Ratio Lower Upper
49 100
128 49.1 23.8 71.5
130 61.9 30.3 90.9



#2
Dichlorodifluoromethane
Concen: 13.357 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.007 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 85 Resp: 3841525
Ion Ratio Lower Upper
85 100
87 35.7 28.1 42.1

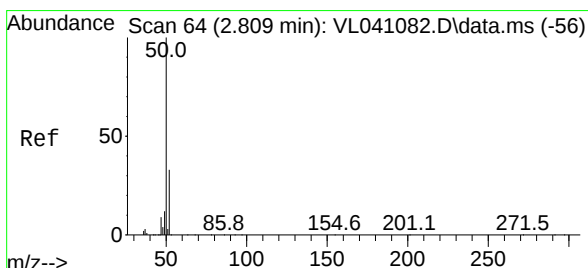
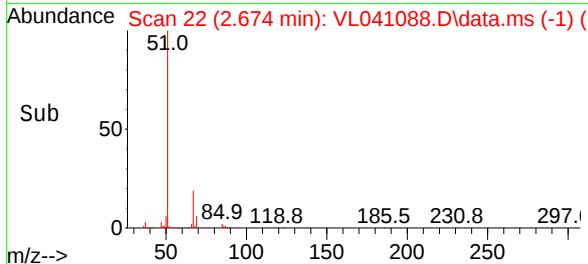
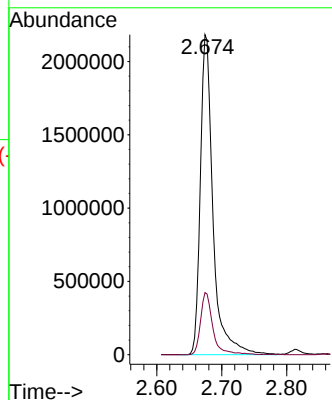
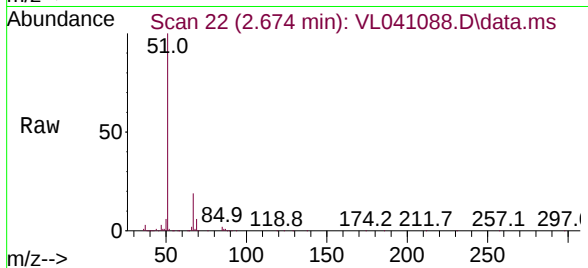




#3
 Chlorodifluoromethane
 Concen: 13.372 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

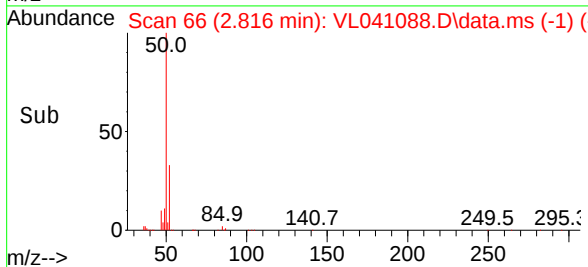
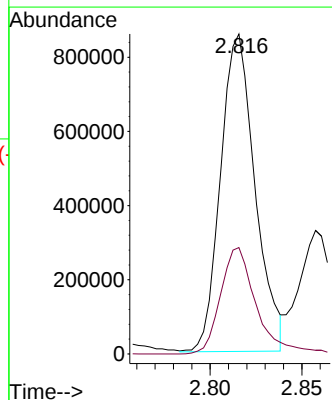
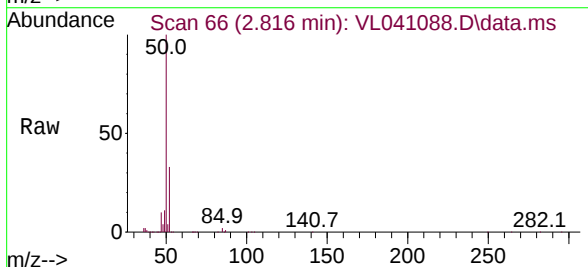
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

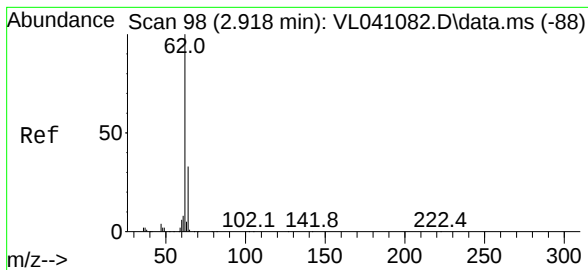
Tgt Ion: 51 Resp: 2964251
 Ion Ratio Lower Upper
 51 100
 67 19.0 14.5 21.7



#4
 Chloromethane
 Concen: 13.338 ppbv
 RT: 2.816 min Scan# 66
 Delta R.T. 0.007 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Tgt Ion: 50 Resp: 1119022
 Ion Ratio Lower Upper
 50 100
 52 33.6 26.6 40.0

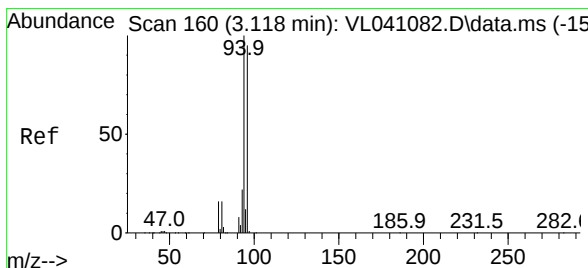
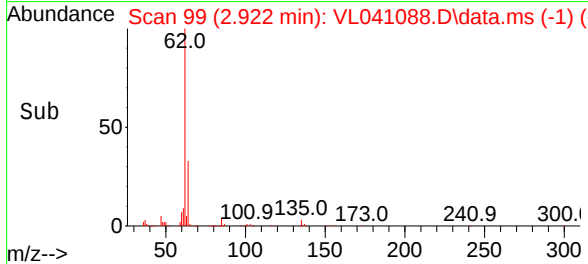
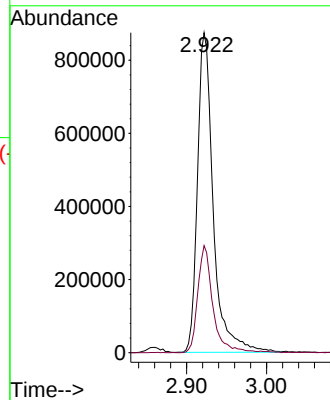
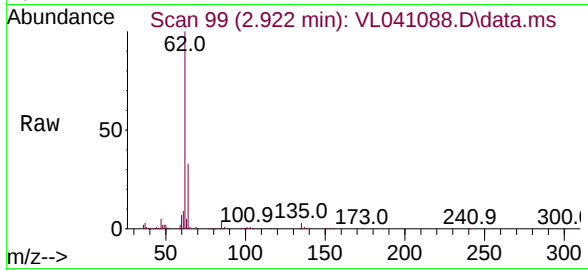




#5
 Vinyl Chloride
 Concen: 14.094 ppbv
 RT: 2.922 min Scan# 99
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

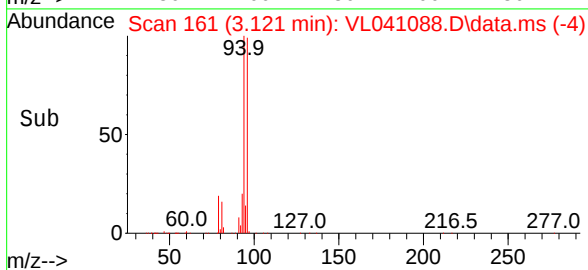
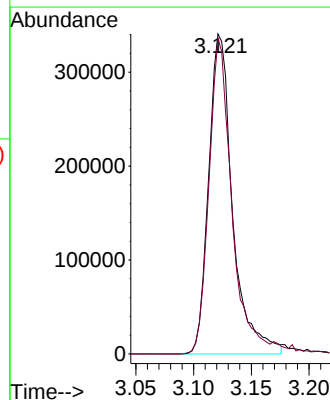
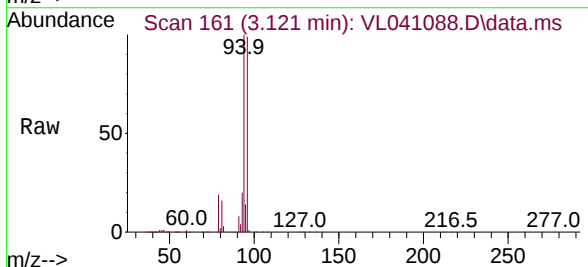
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

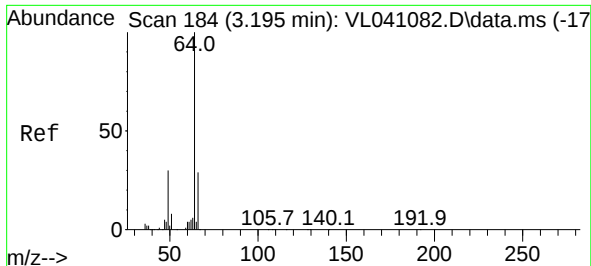
Tgt Ion: 62 Resp: 1203231
 Ion Ratio Lower Upper
 62 100
 64 33.5 26.5 39.7



#6
 Bromomethane
 Concen: 14.507 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Tgt Ion: 94 Resp: 491124
 Ion Ratio Lower Upper
 94 100
 96 98.6 76.0 114.0

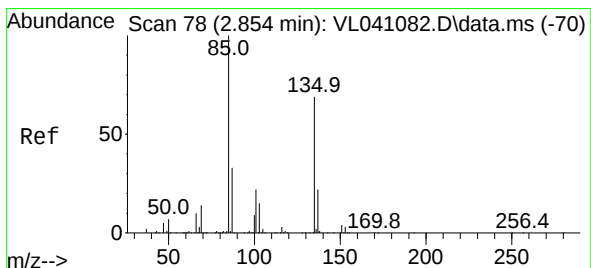
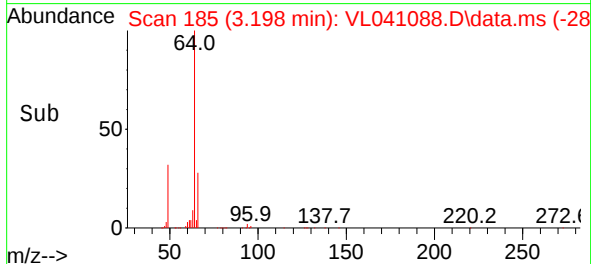
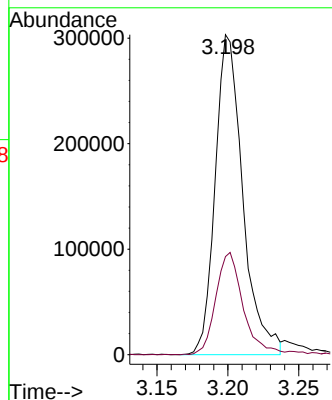
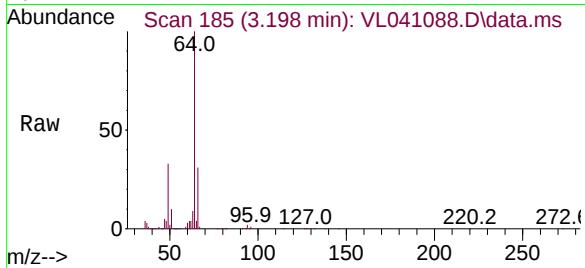




#7
Chloroethane
Concen: 13.644 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

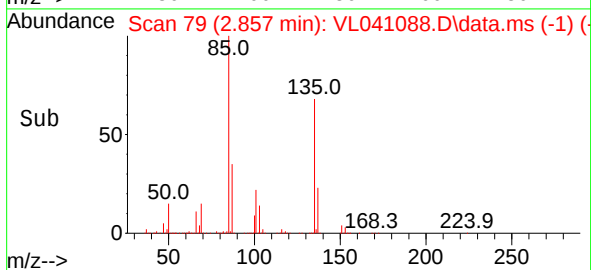
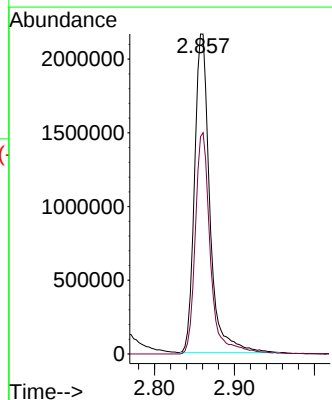
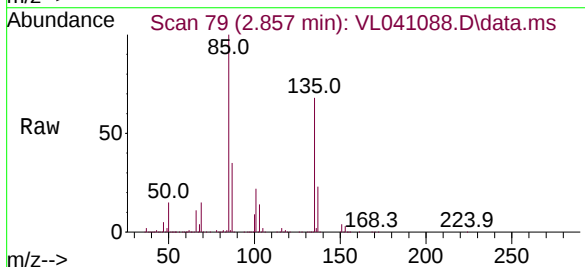
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

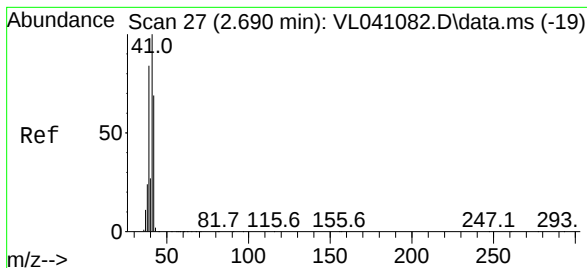
Tgt Ion: 64 Resp: 409951
Ion Ratio Lower Upper
64 100
66 30.7 23.2 34.8



#8
Dichlorotetrafluoroethane
Concen: 13.784 ppbv
RT: 2.857 min Scan# 79
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 85 Resp: 2878716
Ion Ratio Lower Upper
85 100
135 69.5 56.7 85.1





#9

Propene

Concen: 13.949 ppbv

RT: 2.693 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_1

ClientSampleId :

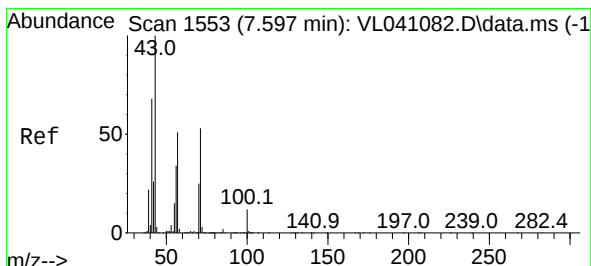
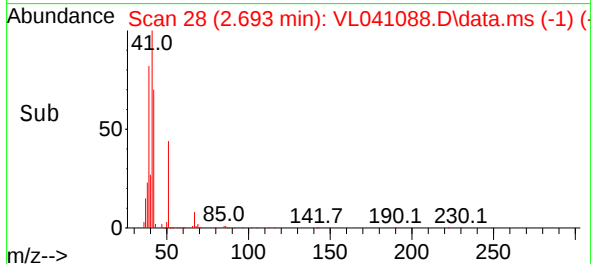
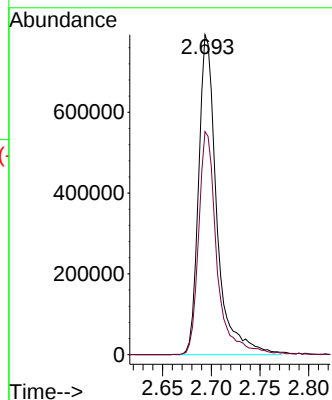
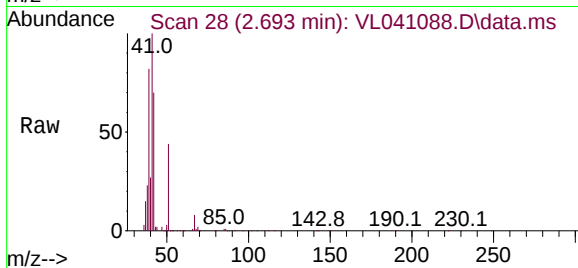
VSTDIC015

Tgt Ion: 41 Resp: 1029720

Ion Ratio Lower Upper

41 100

42 70.3 55.9 83.9



#10

Heptane

Concen: 14.742 ppbv

RT: 7.594 min Scan# 1552

Delta R.T. -0.003 min

Lab File: VL041088.D

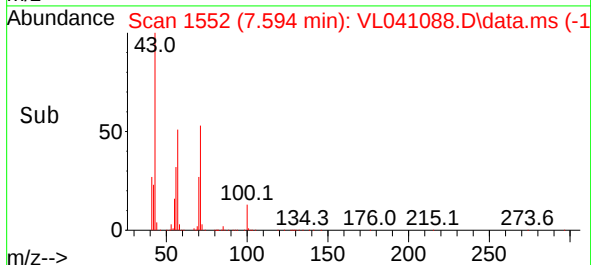
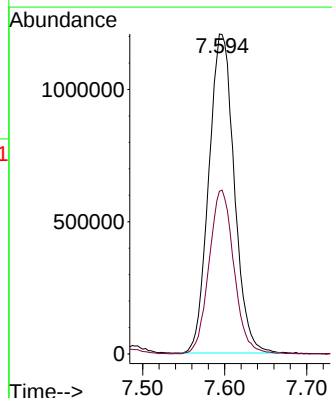
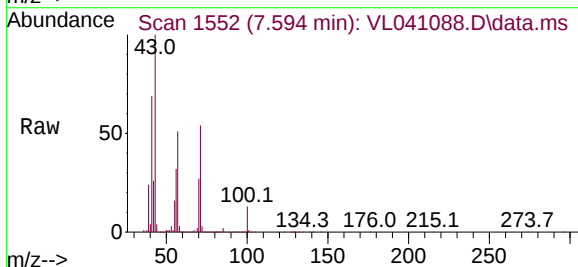
Acq: 11 Mar 2024 14:55

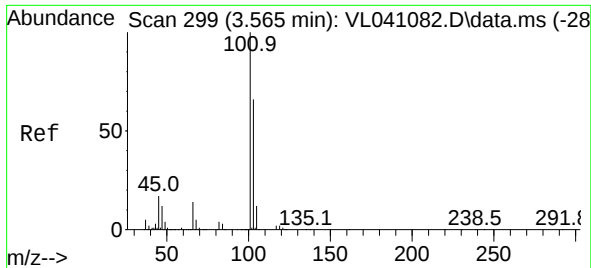
Tgt Ion: 43 Resp: 2603987

Ion Ratio Lower Upper

43 100

57 50.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 13.731 ppbv

RT: 3.568 min Scan# 300

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

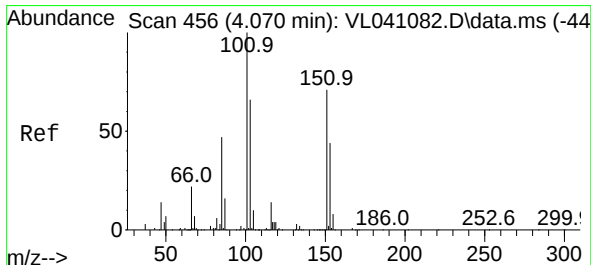
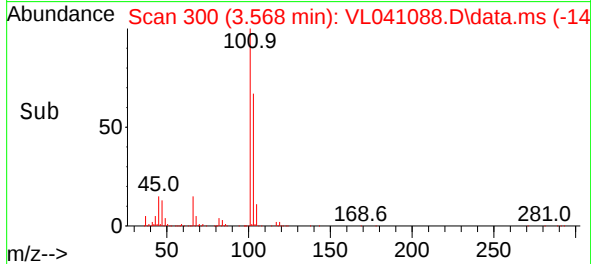
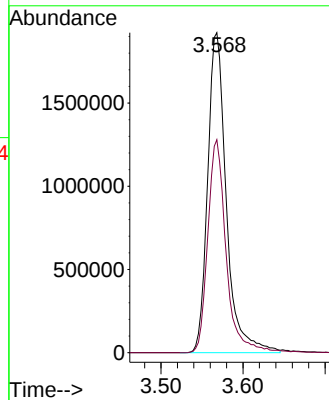
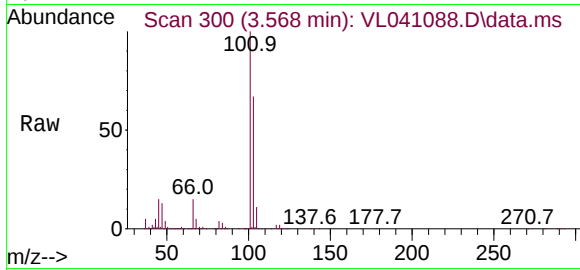
VSTDIC015

Tgt Ion:101 Resp: 3045125

Ion Ratio Lower Upper

101 100

103 66.6 53.0 79.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 13.417 ppbv

RT: 4.073 min Scan# 457

Delta R.T. 0.003 min

Lab File: VL041088.D

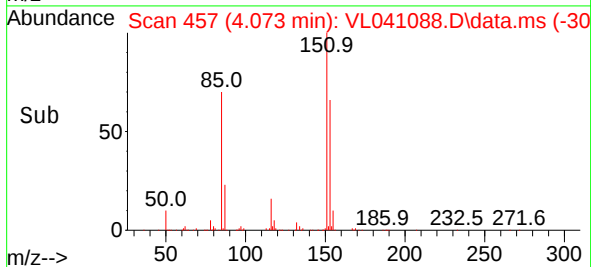
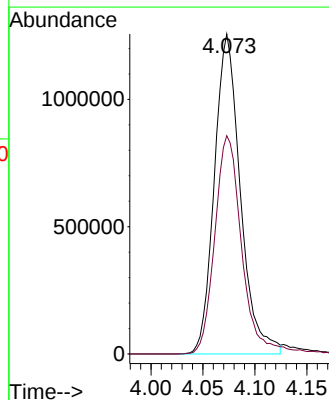
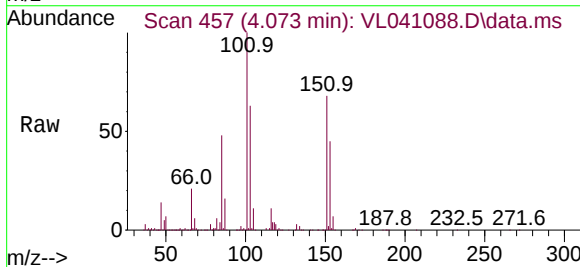
Acq: 11 Mar 2024 14:55

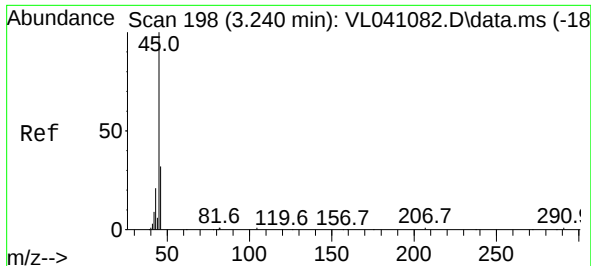
Tgt Ion:101 Resp: 2187648

Ion Ratio Lower Upper

101 100

151 71.4 55.8 83.8





#13

Ethanol

Concen: 12.614 ppbv

RT: 3.243 min Scan# 198

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

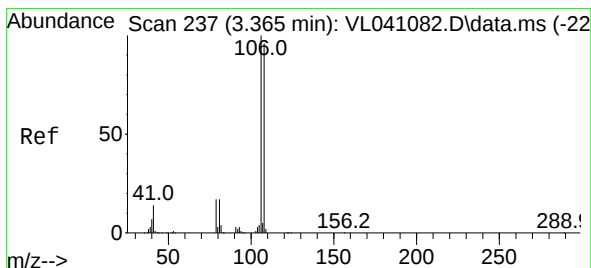
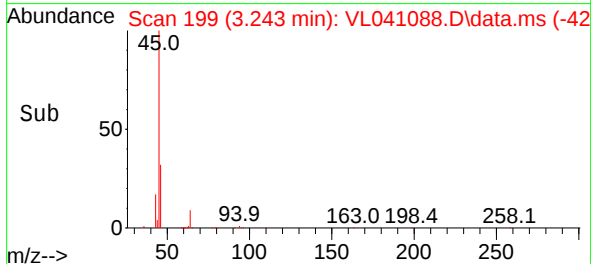
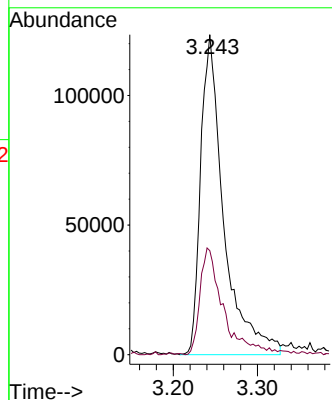
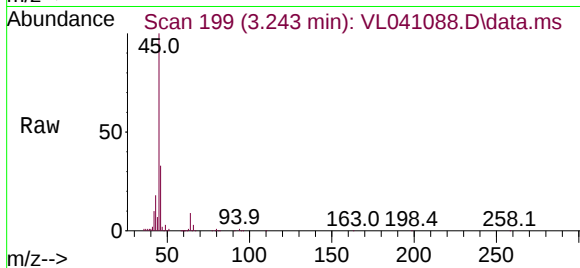
VSTDIC015

Tgt Ion: 45 Resp: 235616

Ion Ratio Lower Upper

45 100

46 34.8 14.6 58.2



#14

Bromoethene

Concen: 14.243 ppbv

RT: 3.369 min Scan# 238

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

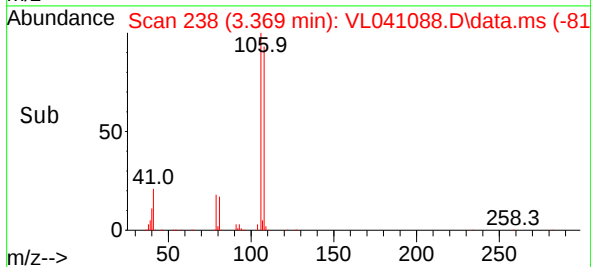
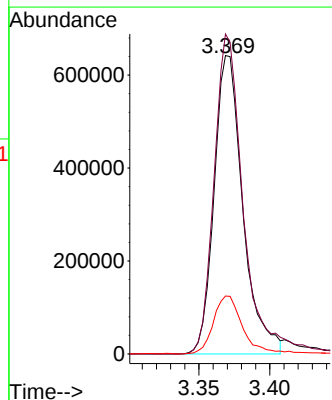
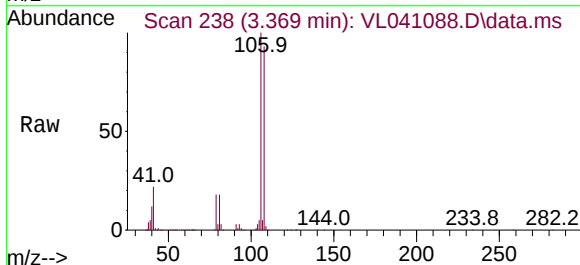
Tgt Ion:108 Resp: 905548

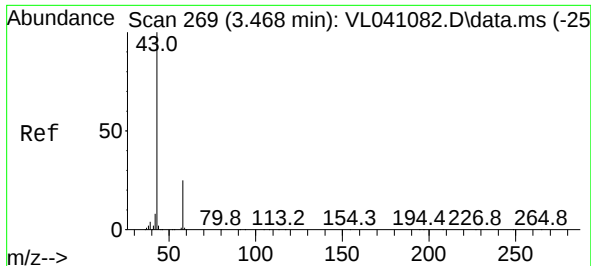
Ion Ratio Lower Upper

108 100

106 111.0 88.1 132.1

79 20.6 15.6 23.4





#15

Acetone

Concen: 11.889 ppbv

RT: 3.472 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

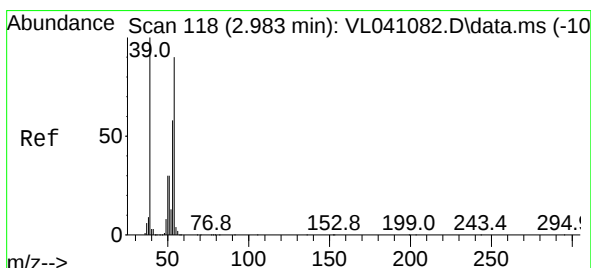
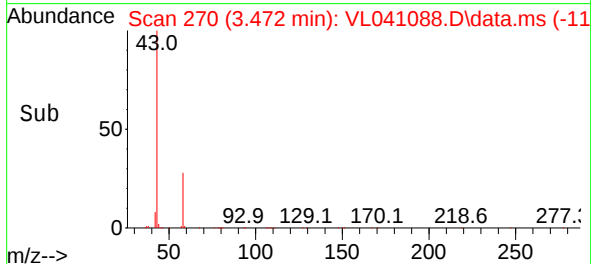
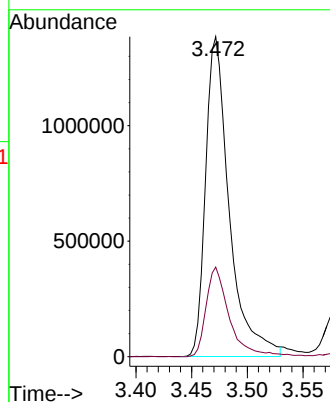
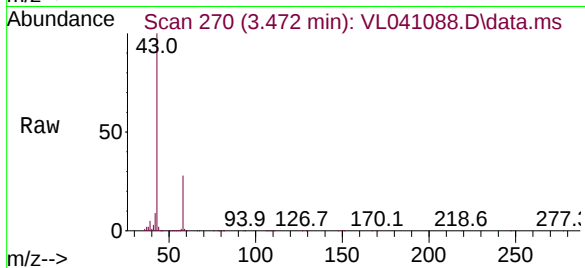
VSTDIC015

Tgt Ion: 43 Resp: 2044357

Ion Ratio Lower Upper

43 100

58 27.6 21.7 32.5



#16

1,3-Butadiene

Concen: 13.952 ppbv

RT: 2.986 min Scan# 119

Delta R.T. 0.003 min

Lab File: VL041088.D

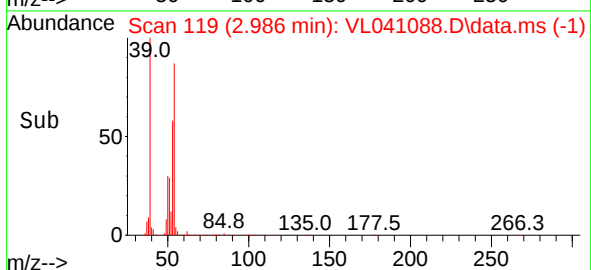
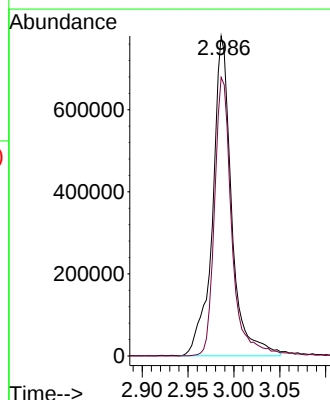
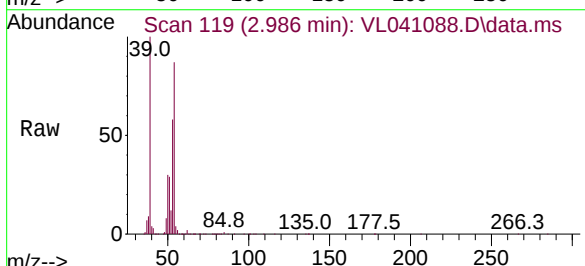
Acq: 11 Mar 2024 14:55

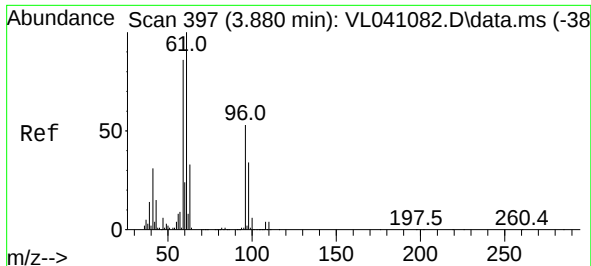
Tgt Ion: 39 Resp: 1129514

Ion Ratio Lower Upper

39 100

54 79.6 64.0 96.0





#17

tert-Butyl alcohol

Concen: 13.271 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.007 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

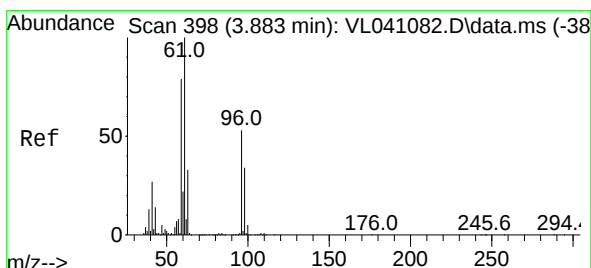
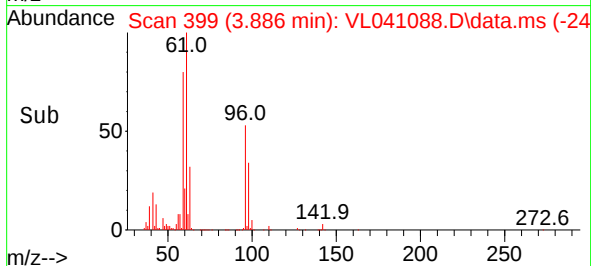
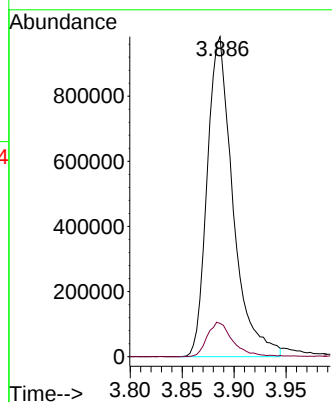
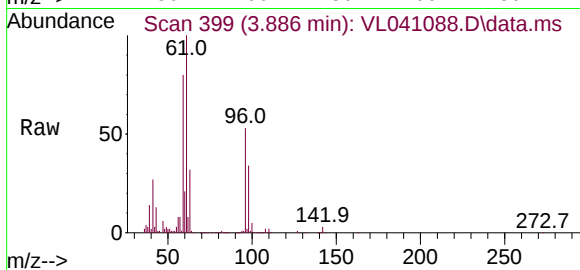
VSTDICC015

Tgt Ion: 59 Resp: 1696670

Ion Ratio Lower Upper

59 100

57 10.9 9.0 13.6



#18

1,1-Dichloroethene

Concen: 13.636 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

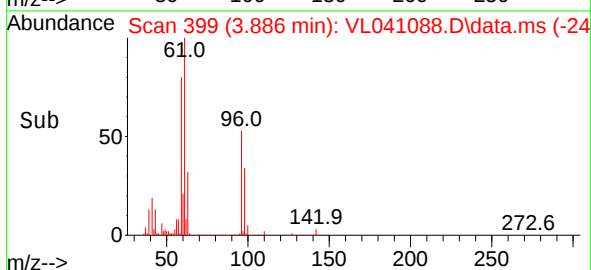
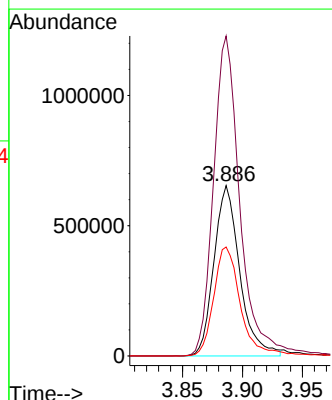
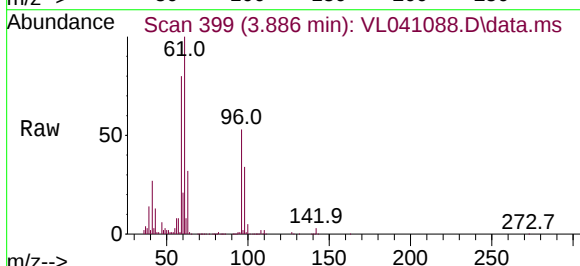
Tgt Ion: 96 Resp: 979041

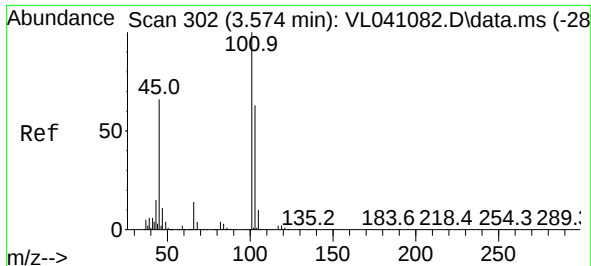
Ion Ratio Lower Upper

96 100

61 187.7 150.2 225.2

98 63.9 50.7 76.1





#19

Isopropyl Alcohol

Concen: 13.190 ppbv

RT: 3.581 min Scan# 302

Delta R.T. 0.007 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

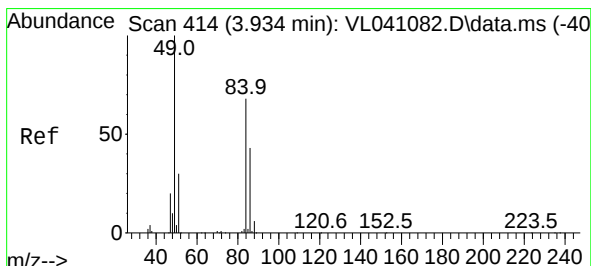
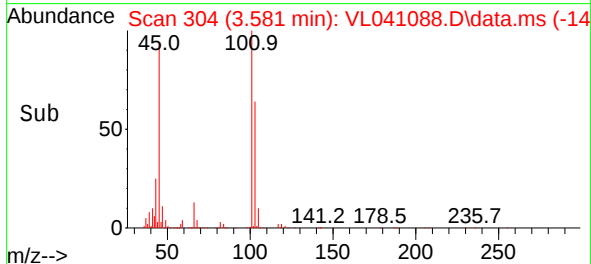
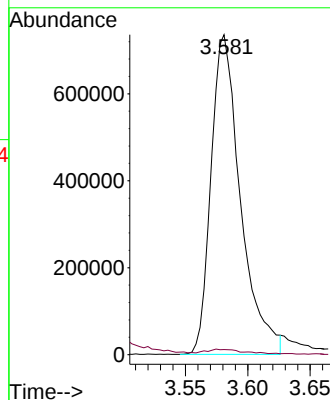
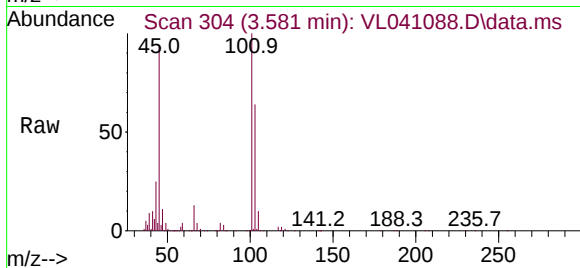
VSTDIC015

Tgt Ion: 45 Resp: 1211486

Ion Ratio Lower Upper

45 100

58 2.4 2.2 3.4



#20

Methylene Chloride

Concen: 12.572 ppbv

RT: 3.941 min Scan# 416

Delta R.T. 0.007 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Tgt Ion: 84 Resp: 842783

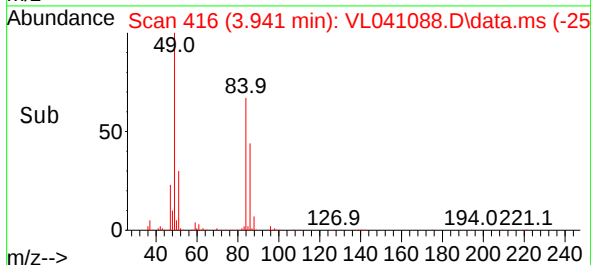
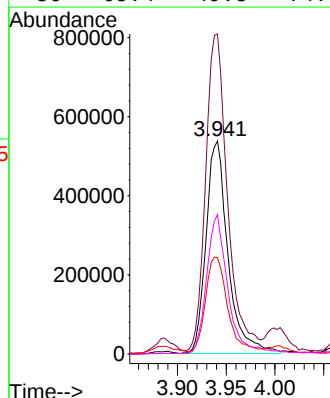
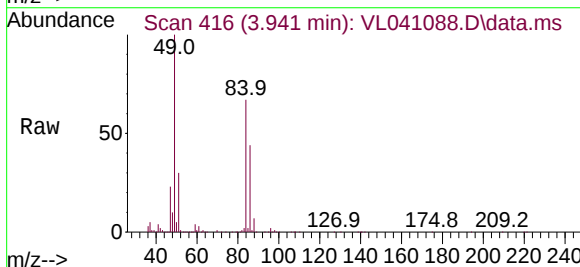
Ion Ratio Lower Upper

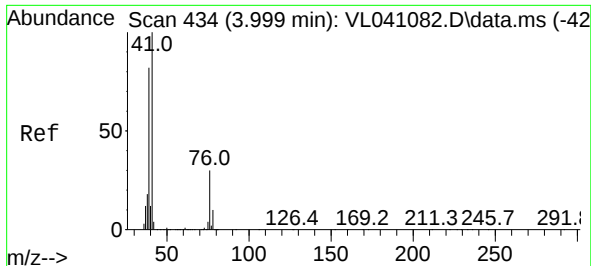
84 100

49 148.5 117.0 175.6

51 43.7 34.9 52.3

86 65.4 49.8 74.6





#21

Allyl Chloride

Concen: 14.384 ppbv

RT: 4.002 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

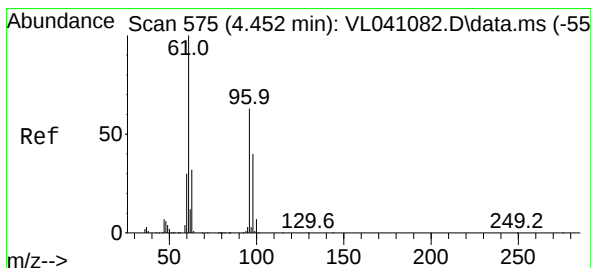
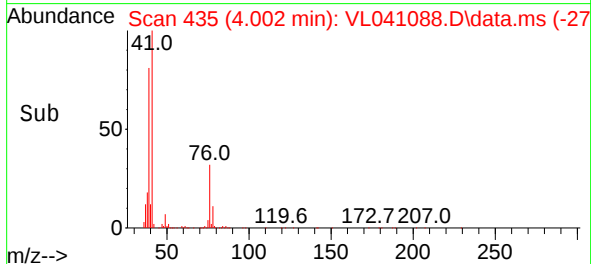
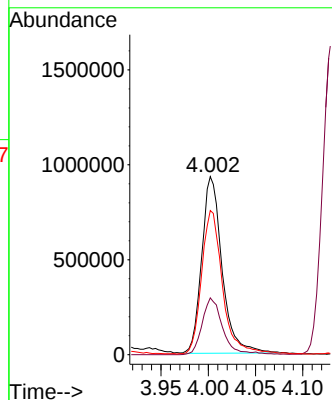
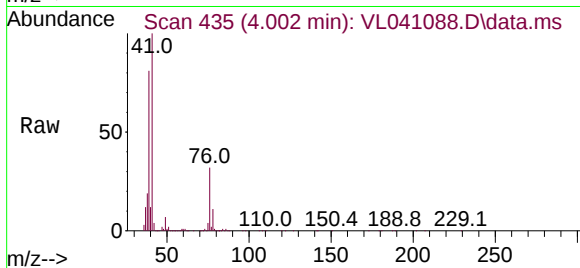
Tgt Ion: 41 Resp: 1396919

Ion Ratio Lower Upper

41 100

76 32.6 25.5 38.3

39 84.3 67.4 101.2



#22

trans-1,2-Dichloroethene

Concen: 14.923 ppbv

RT: 4.455 min Scan# 576

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

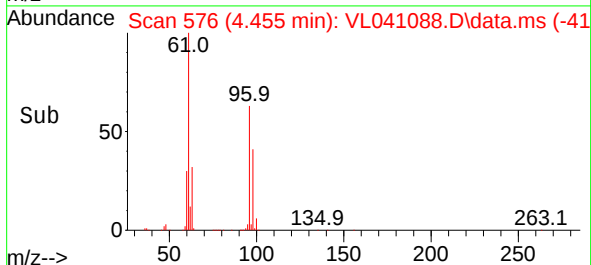
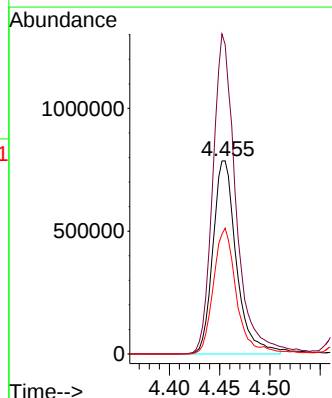
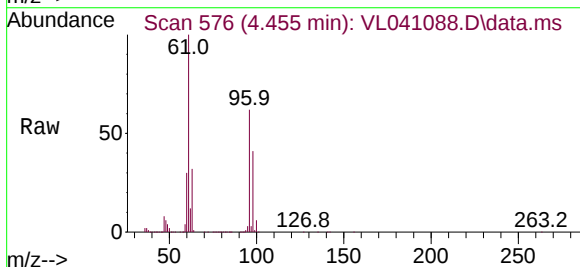
Tgt Ion: 96 Resp: 1275592

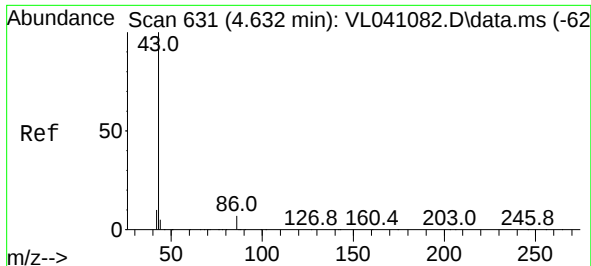
Ion Ratio Lower Upper

96 100

61 160.2 126.7 190.1

98 65.2 50.1 75.1

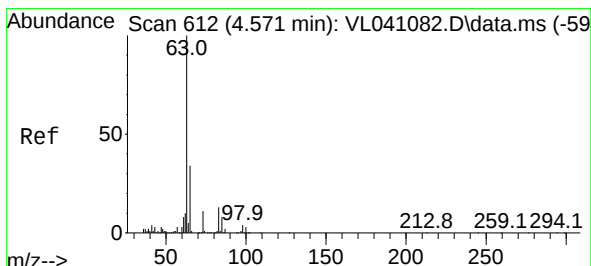
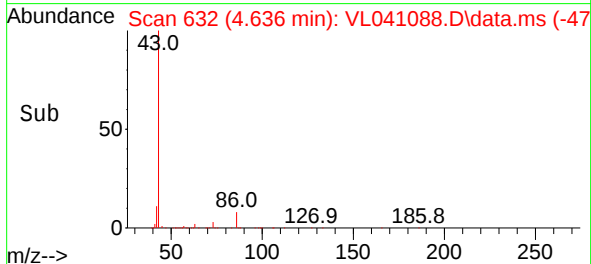
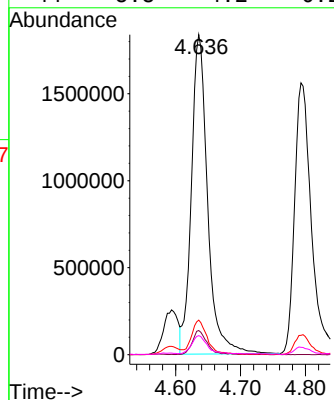
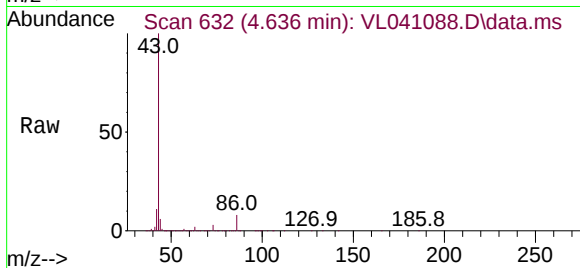




#23
 Vinyl Acetate
 Concen: 16.675 ppbv
 RT: 4.636 min Scan# 611
 Delta R.T. 0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

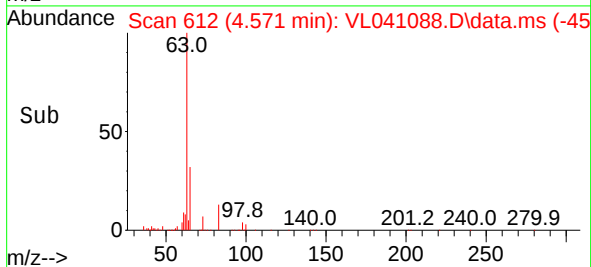
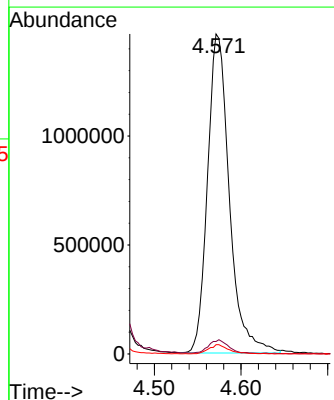
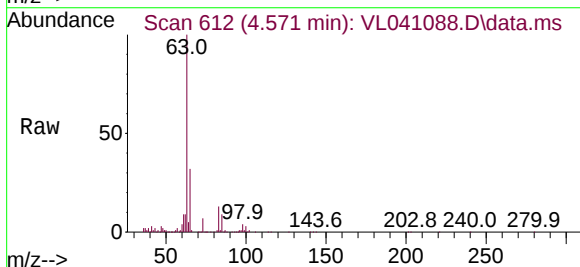
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

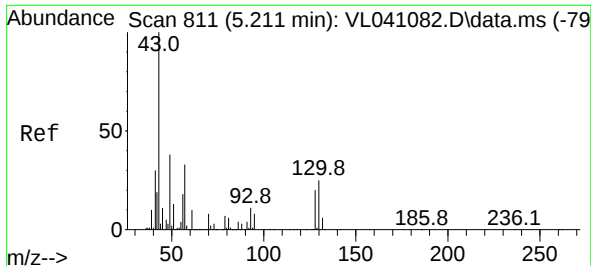
Tgt Ion: 43 Resp: 3184166
 Ion Ratio Lower Upper
 43 100
 86 7.5 5.4 8.2
 42 10.7 8.0 12.0
 44 5.8 4.2 6.2



#24
 1,1-Dichloroethane
 Concen: 14.605 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.000 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Tgt Ion: 63 Resp: 2567294
 Ion Ratio Lower Upper
 63 100
 98 3.8 2.1 6.5
 100 2.9 1.4 4.2





#25

Ethyl Acetate

Concen: 14.135 ppbv

RT: 5.214 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 4378895

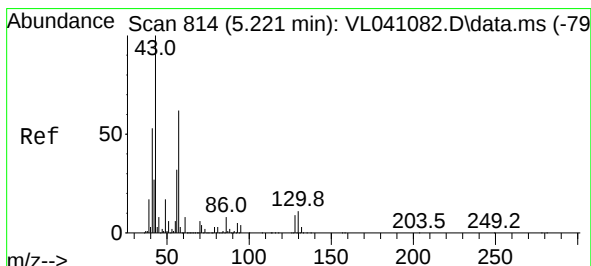
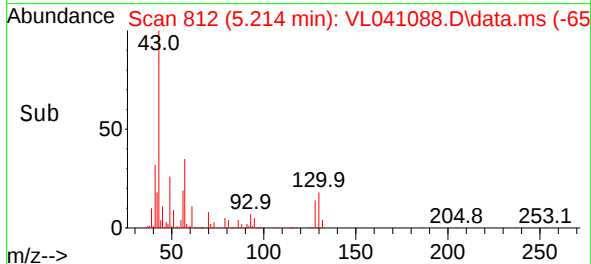
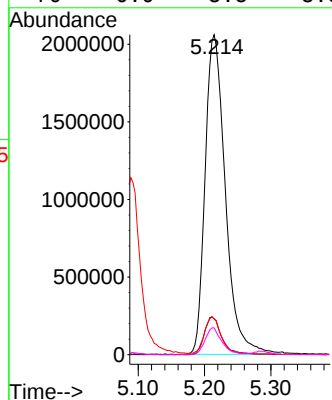
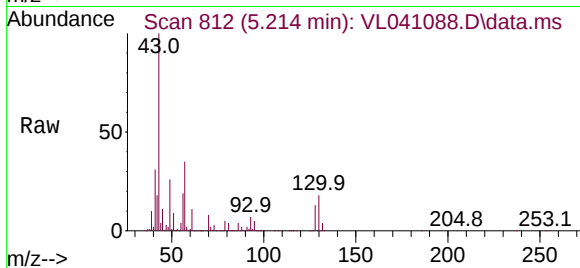
Ion Ratio Lower Upper

43 100

45 10.3 8.2 12.2

61 10.2 8.2 12.2

70 6.9 5.5 8.3



#26

Hexane

Concen: 13.990 ppbv

RT: 5.224 min Scan# 815

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Tgt Ion: 57 Resp: 1943739

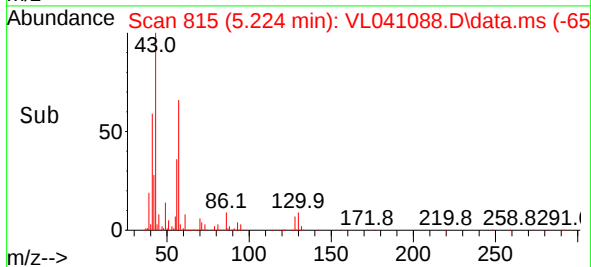
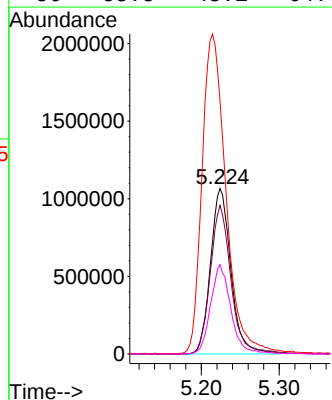
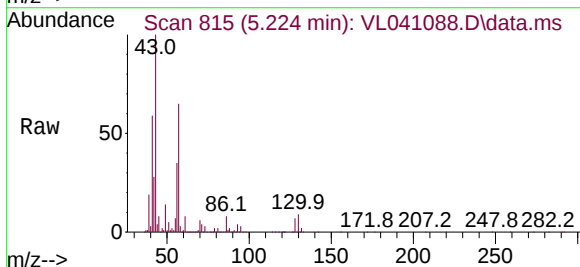
Ion Ratio Lower Upper

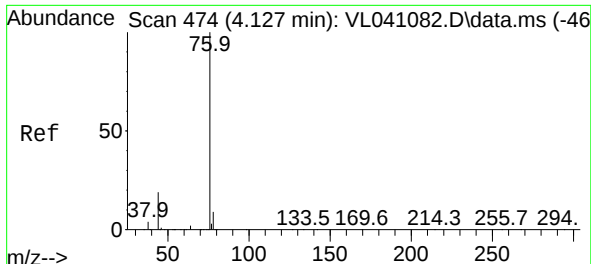
57 100

41 91.2 73.8 110.6

43 226.7 184.2 276.2

56 53.8 43.1 64.7

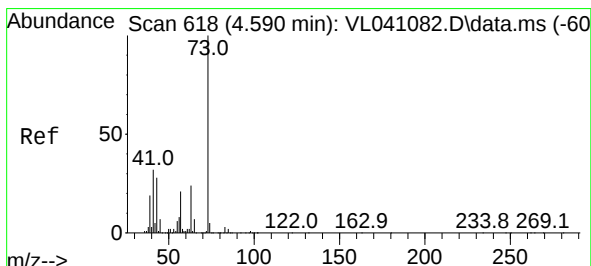
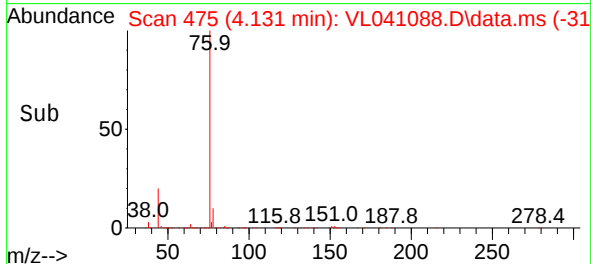
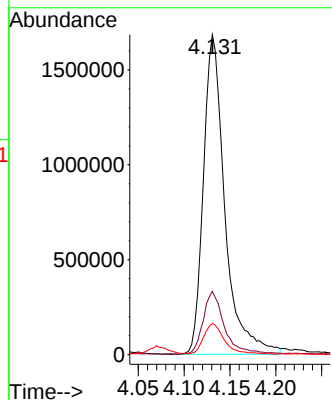
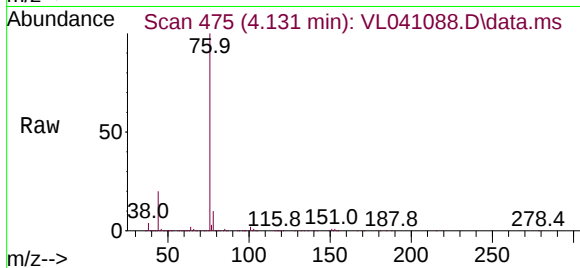




#27
Carbon Disulfide
Concen: 16.478 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

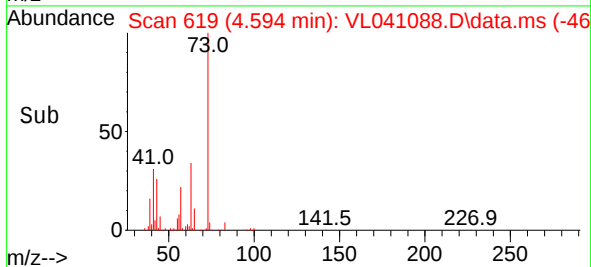
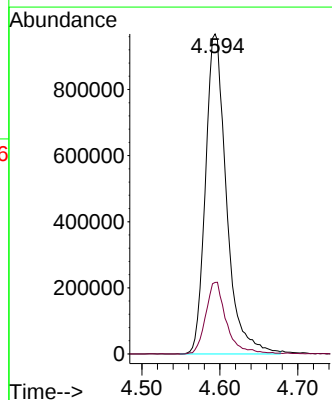
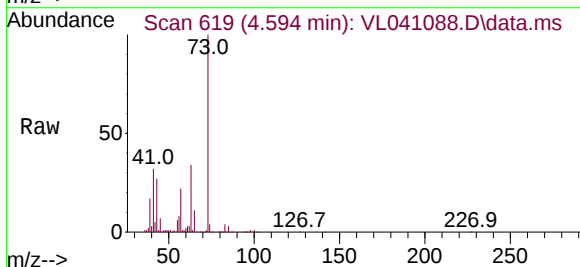
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

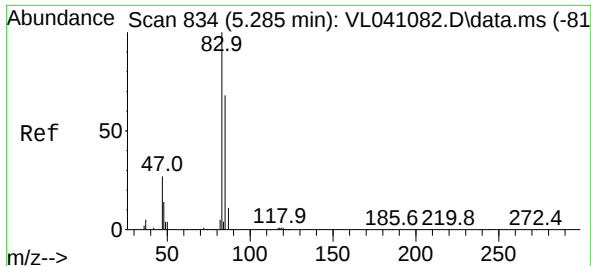
Tgt Ion: 76 Resp: 2735059
Ion Ratio Lower Upper
76 100
44 20.0 16.0 24.0
78 9.7 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 14.802 ppbv
RT: 4.594 min Scan# 619
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 73 Resp: 1812107
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4





#29

Chloroform

Concen: 13.805 ppbv

RT: 5.288 min Scan# 834

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

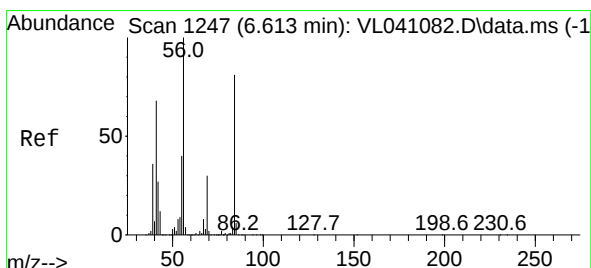
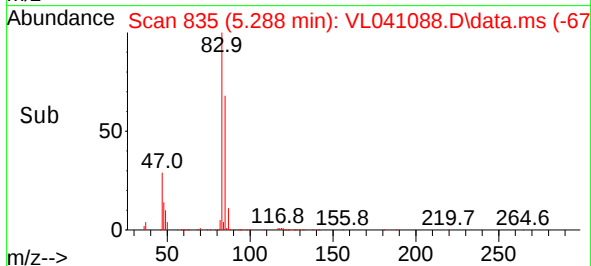
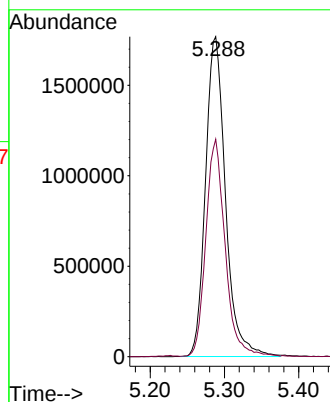
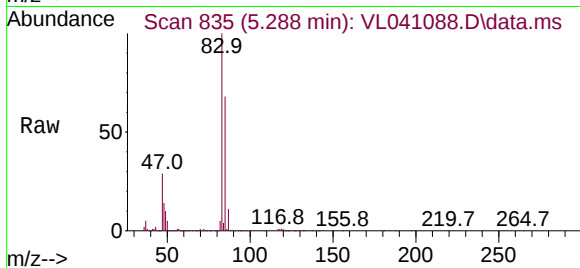
VSTDIC015

Tgt Ion: 83 Resp: 3299110

Ion Ratio Lower Upper

83 100

85 67.9 54.6 82.0



#30

Cyclohexane

Concen: 14.479 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

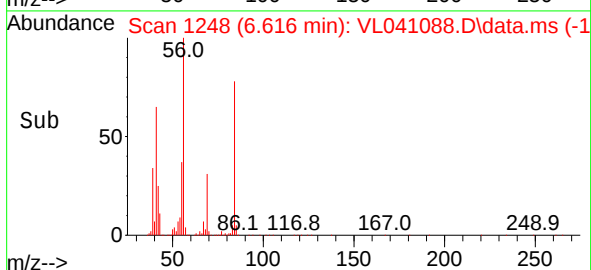
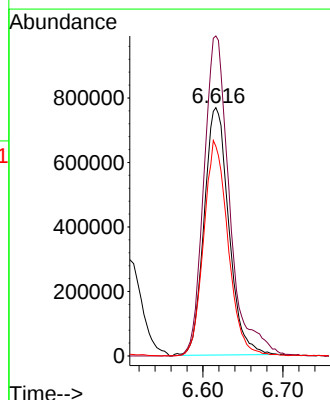
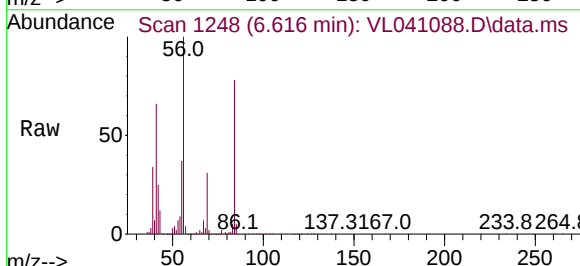
Tgt Ion: 84 Resp: 1646237

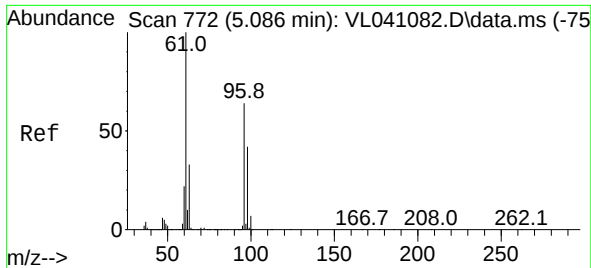
Ion Ratio Lower Upper

84 100

56 135.6 110.4 165.6

41 85.8 70.6 105.8





#31

cis-1,2-Dichloroethene

Concen: 14.897 ppbv

RT: 5.089 min Scan# 772

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

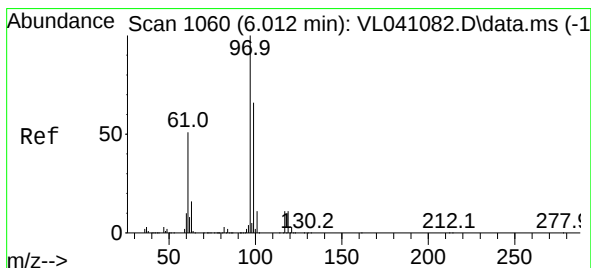
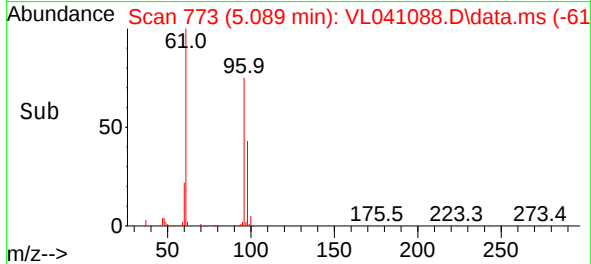
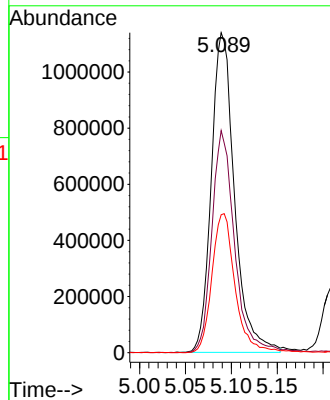
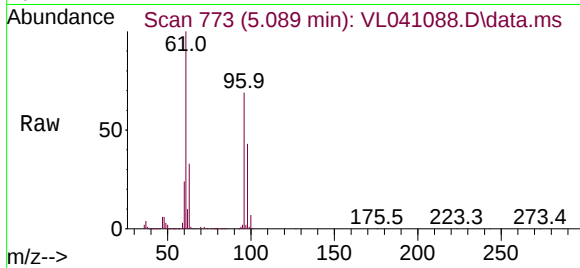
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 61 Resp: 2005053

Ion	Ratio	Lower	Upper
61	100		
96	69.4	51.2	76.8
98	43.1	33.4	50.0



#32

1,1,1-Trichloroethane

Concen: 15.238 ppbv

RT: 6.015 min Scan# 1061

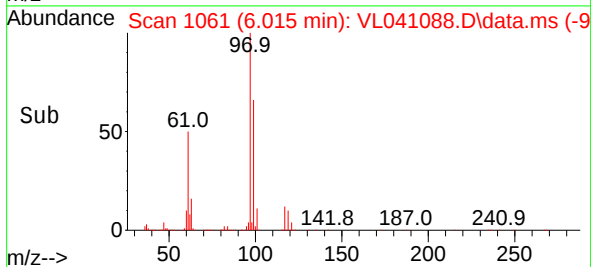
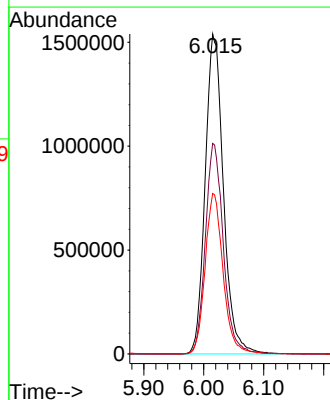
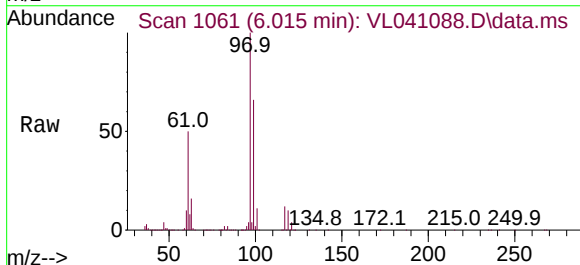
Delta R.T. 0.003 min

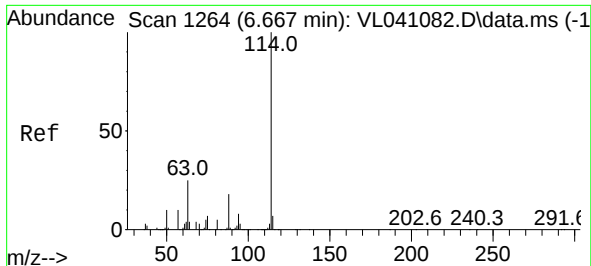
Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Tgt Ion: 97 Resp: 3262097

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.4	78.6
61	49.7	40.4	60.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

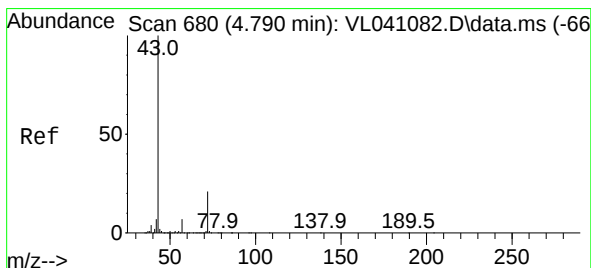
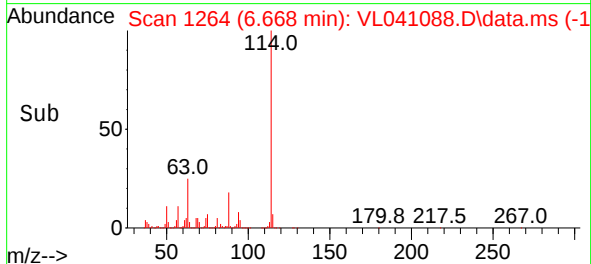
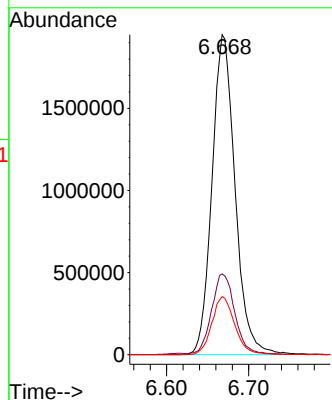
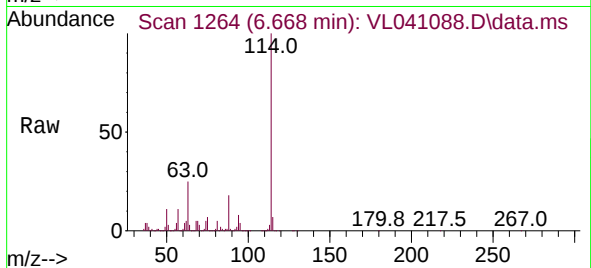
Tgt Ion:114 Resp: 3798074

Ion Ratio Lower Upper

114 100

63 26.2 21.0 31.6

88 18.1 14.6 22.0



#34

2-Butanone

Concen: 14.959 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.003 min

Lab File: VL041088.D

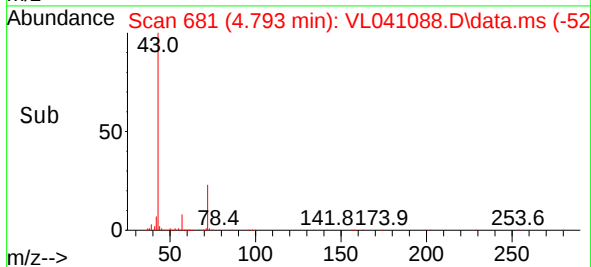
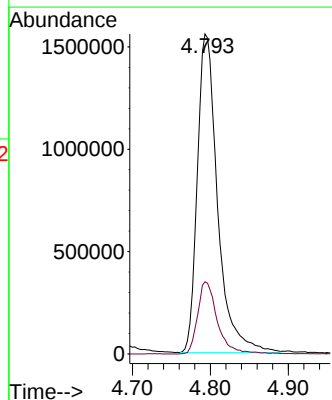
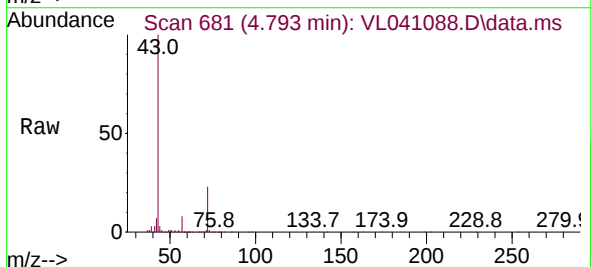
Acq: 11 Mar 2024 14:55

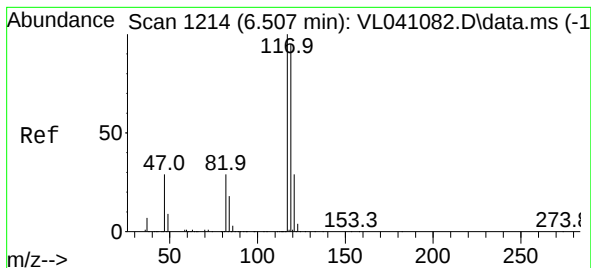
Tgt Ion: 43 Resp: 2820733

Ion Ratio Lower Upper

43 100

72 22.3 17.4 26.0





#35

Carbon Tetrachloride

Concen: 15.693 ppbv

RT: 6.510 min Scan# 117

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

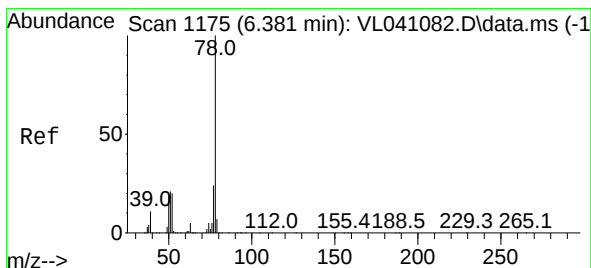
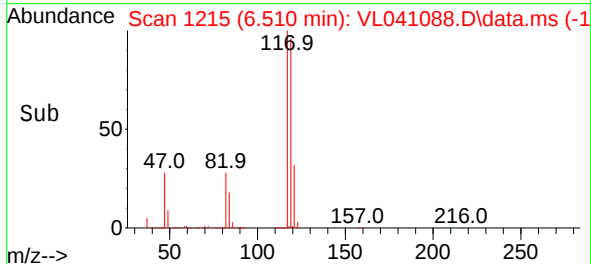
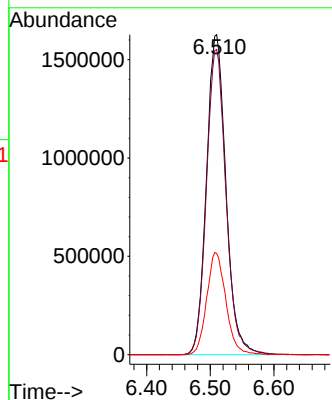
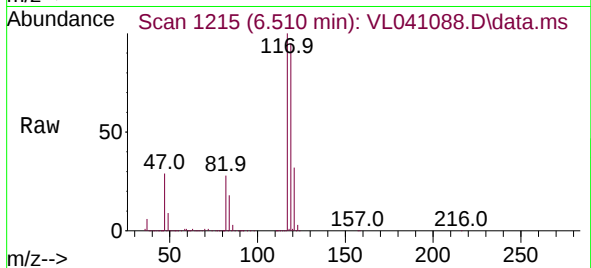
Tgt Ion:117 Resp: 3470664

Ion Ratio Lower Upper

117 100

119 95.4 75.6 113.4

121 31.7 23.4 35.2



#36

Benzene

Concen: 14.522 ppbv

RT: 6.385 min Scan# 1176

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

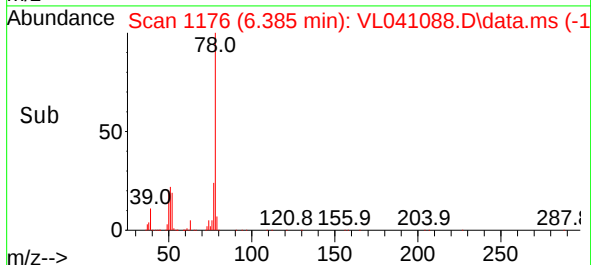
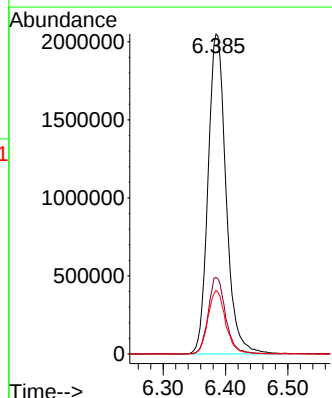
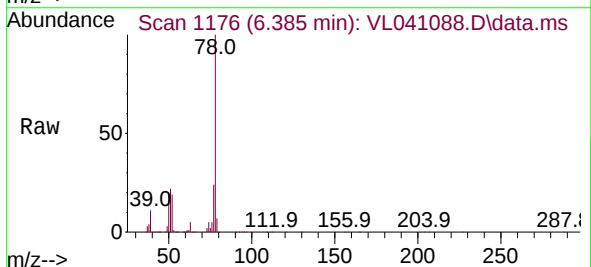
Tgt Ion: 78 Resp: 4105500

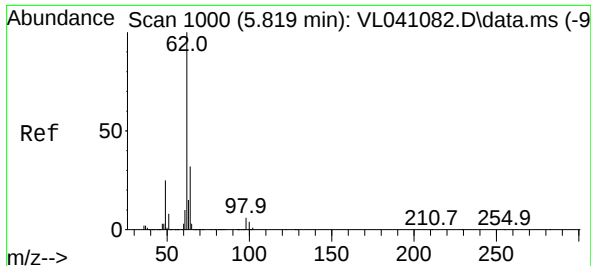
Ion Ratio Lower Upper

78 100

77 23.9 18.8 28.2

50 19.9 15.5 23.3





#37

1,2-Dichloroethane

Concen: 14.435 ppbv

RT: 5.819 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

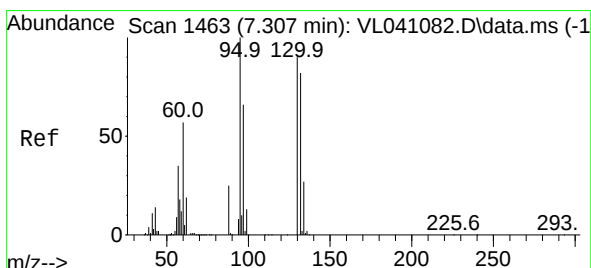
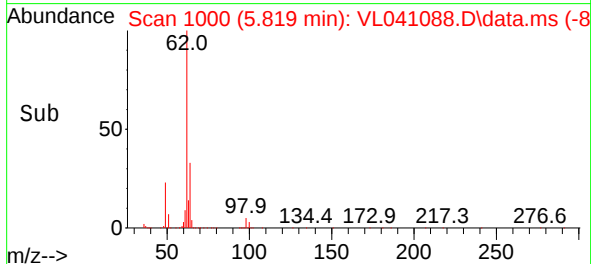
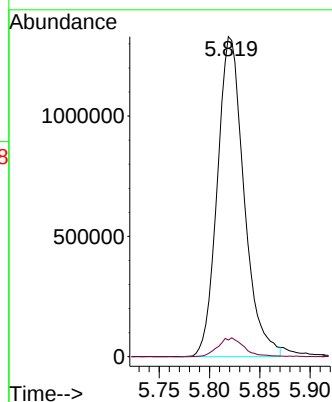
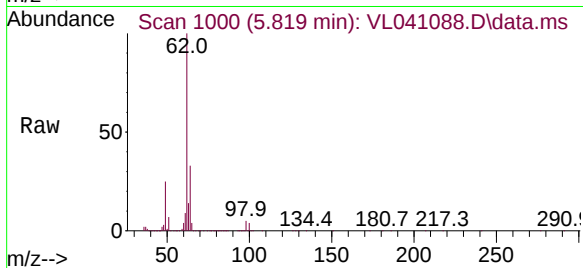
VSTDIC015

Tgt Ion: 62 Resp: 2455251

Ion Ratio Lower Upper

62 100

98 5.9 4.6 6.8



#38

Trichloroethene

Concen: 15.349 ppbv

RT: 7.307 min Scan# 1463

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Tgt Ion:130 Resp: 1619988

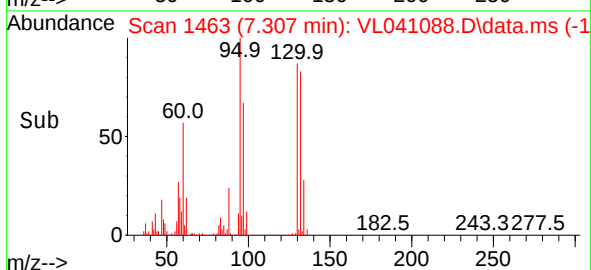
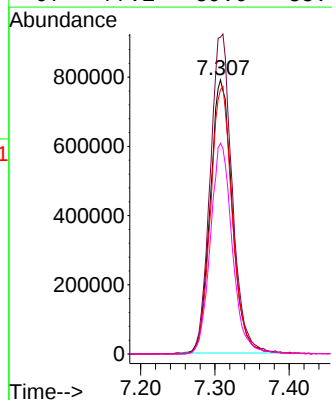
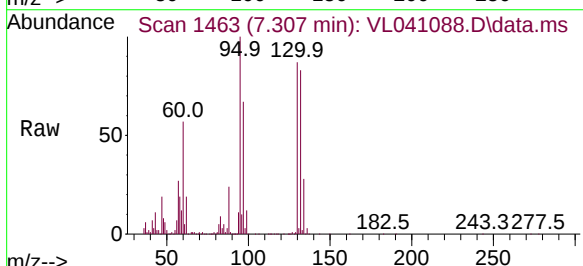
Ion Ratio Lower Upper

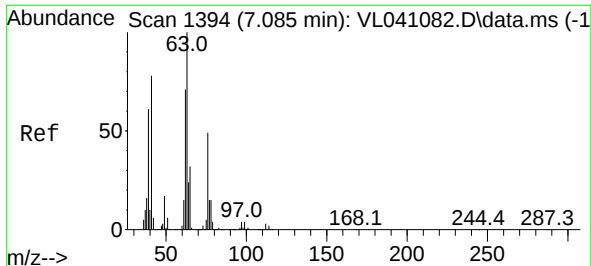
130 100

95 115.9 88.8 133.2

132 96.7 73.0 109.4

97 77.1 59.0 88.4

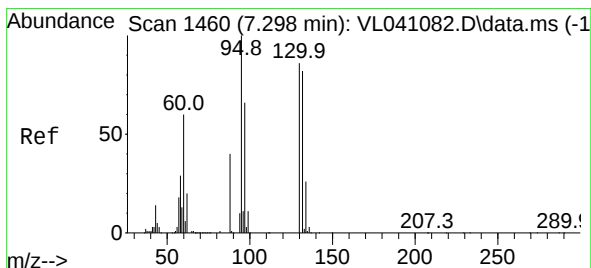
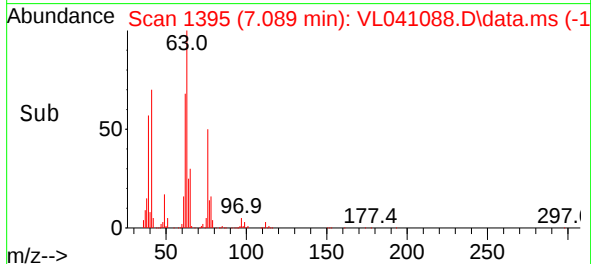
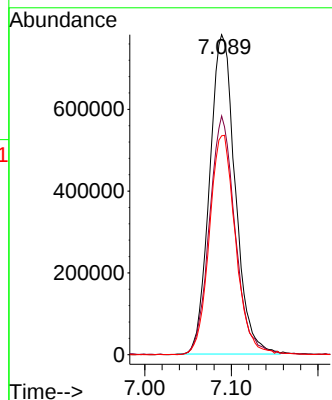
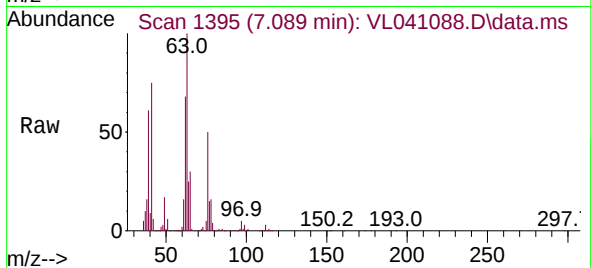




#39
1,2-Dichloropropane
Concen: 14.206 ppbv
RT: 7.089 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

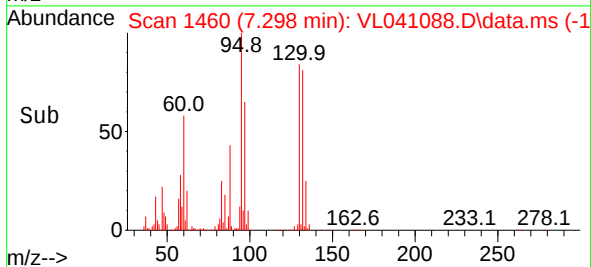
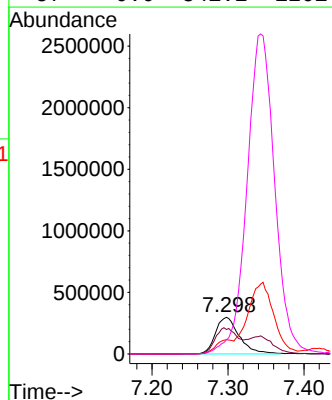
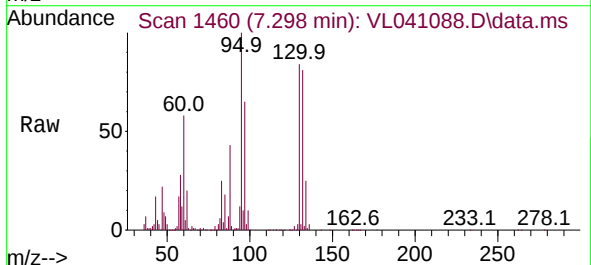
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

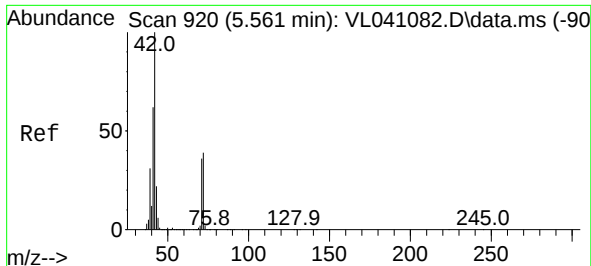
Tgt Ion: 63 Resp: 1606031
Ion Ratio Lower Upper
63 100
41 74.7 62.2 93.4
62 68.4 57.0 85.4



#40
1,4-Dioxane
Concen: 14.582 ppbv
RT: 7.298 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 88 Resp: 649919
Ion Ratio Lower Upper
88 100
58 74.3 96.3 144.5#
43 0.0 195.7 293.5#
57 0.0 841.2 1261.8#





#41

Tetrahydrofuran

Concen: 15.262 ppbv

RT: 5.565 min Scan# 91

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC015

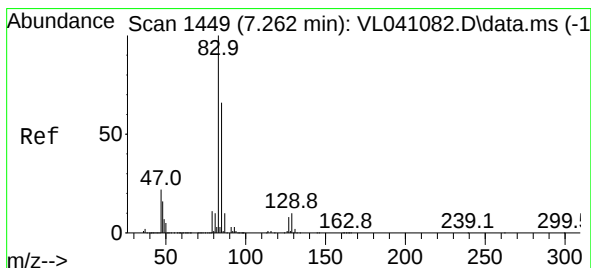
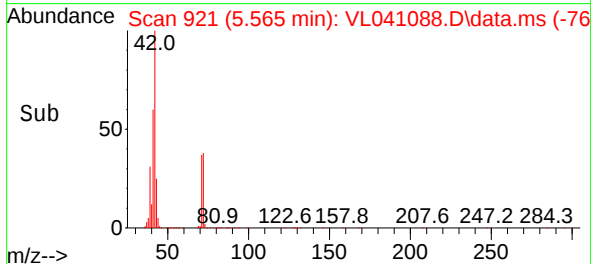
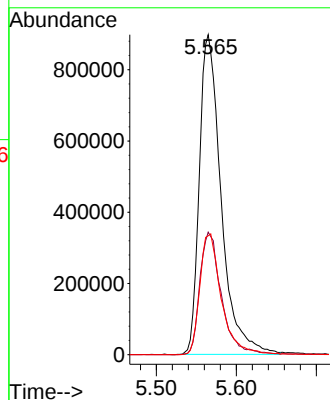
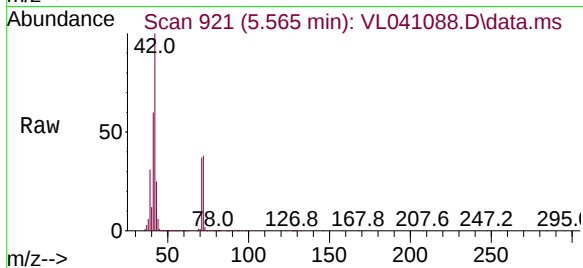
Tgt Ion: 42 Resp: 1707417

Ion Ratio Lower Upper

42 100

72 38.1 30.7 46.1

71 37.6 29.6 44.4



#42

Bromodichloromethane

Concen: 14.970 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

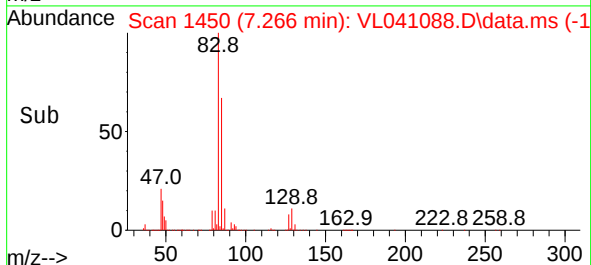
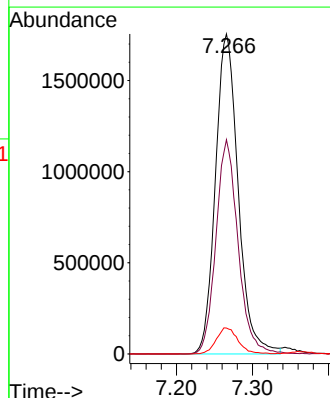
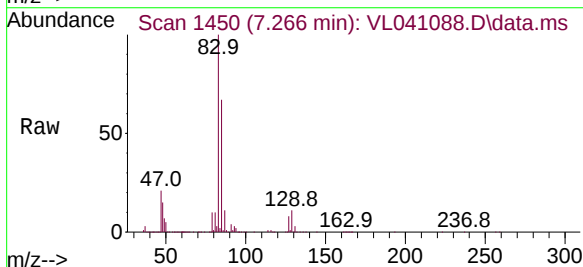
Tgt Ion: 83 Resp: 3647800

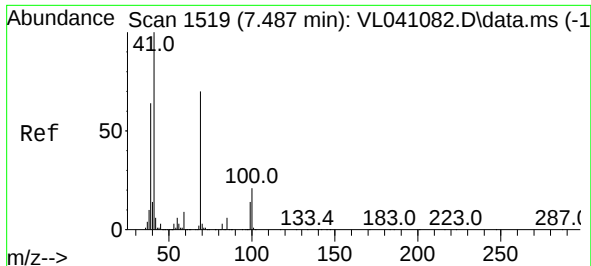
Ion Ratio Lower Upper

83 100

85 66.9 53.1 79.7

127 8.1 6.2 9.4





#43

Methyl Methacrylate

Concen: 15.981 ppbv

RT: 7.491 min Scan# 1519

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

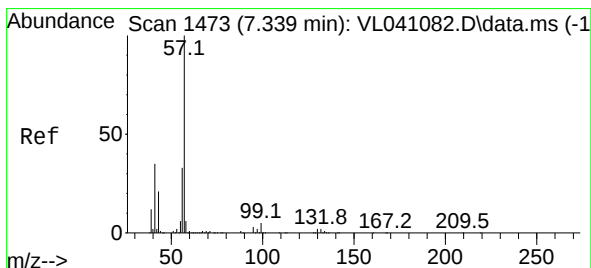
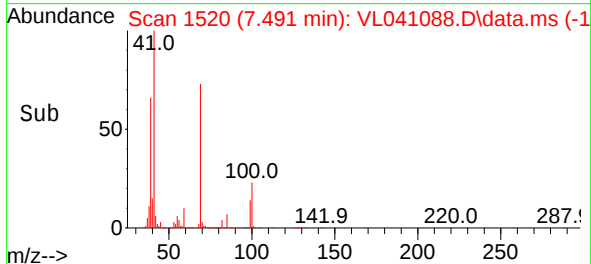
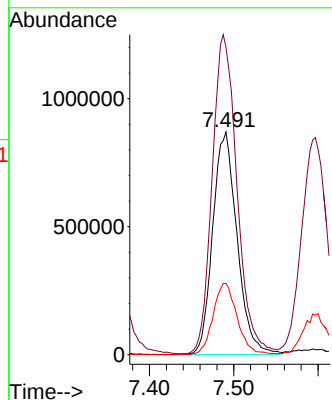
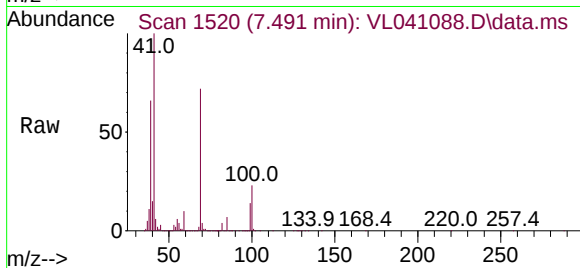
Tgt Ion: 69 Resp: 1745556

Ion Ratio Lower Upper

69 100

41 146.1 118.2 177.4

100 31.8 24.8 37.2



#44

2,2,4-Trimethylpentane

Concen: 13.996 ppbv

RT: 7.343 min Scan# 1474

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

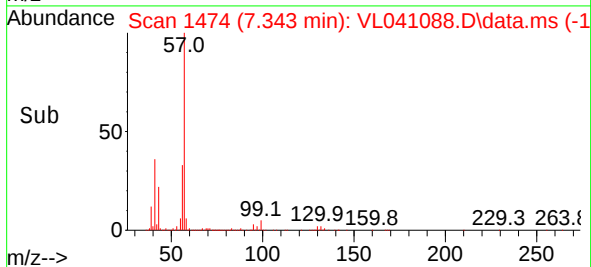
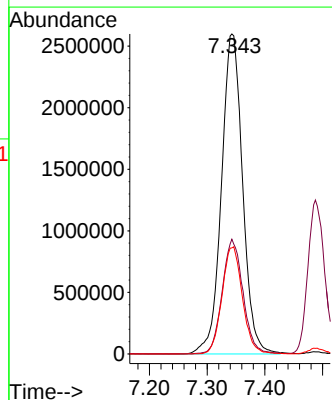
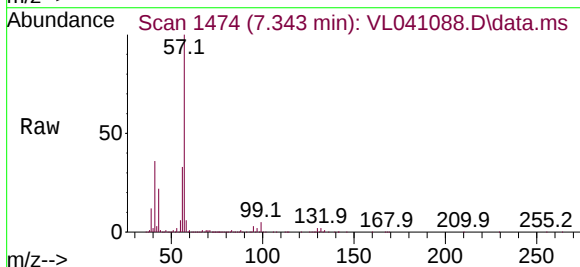
Tgt Ion: 57 Resp: 6613436

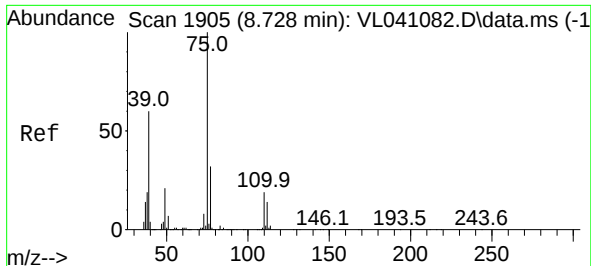
Ion Ratio Lower Upper

57 100

41 35.3 28.0 42.0

56 32.4 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 18.517 ppbv

RT: 8.729 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

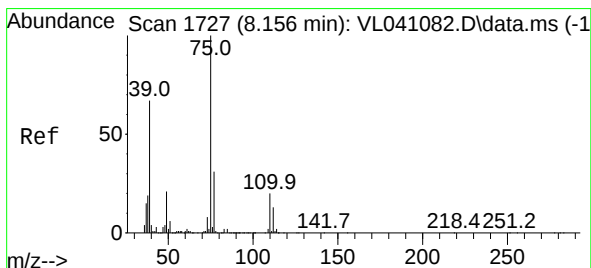
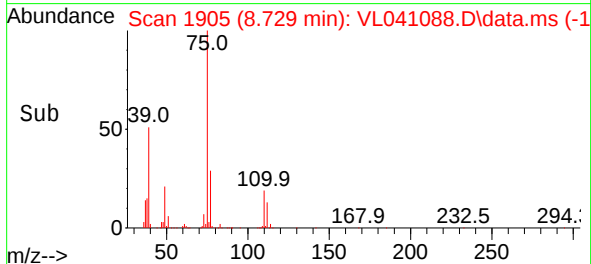
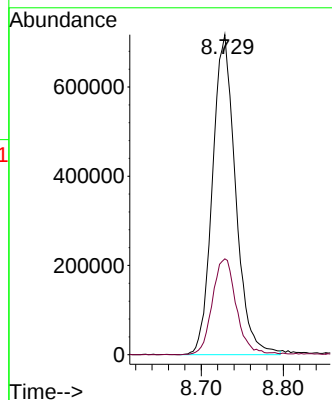
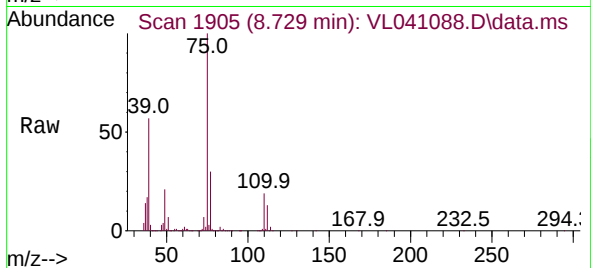
VSTDIC015

Tgt Ion: 75 Resp: 1404811

Ion Ratio Lower Upper

75 100

77 30.0 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 17.090 ppbv

RT: 8.159 min Scan# 1728

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

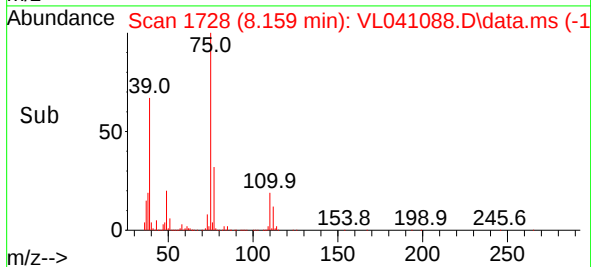
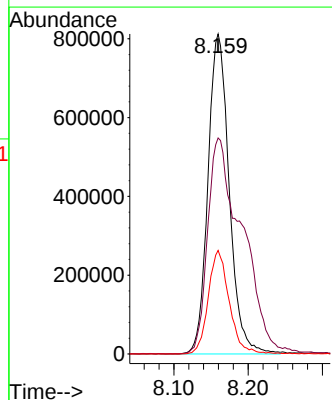
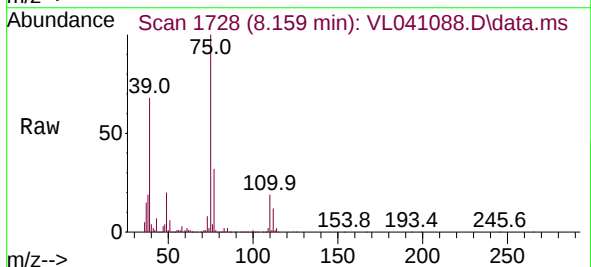
Tgt Ion: 75 Resp: 1615394

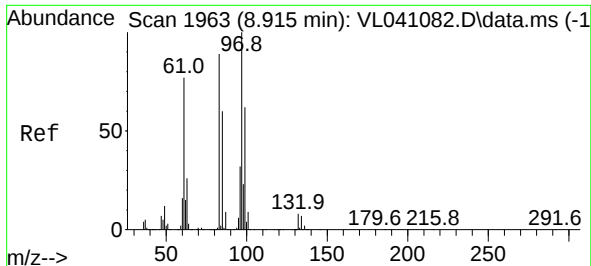
Ion Ratio Lower Upper

75 100

39 67.4 53.3 79.9

77 32.4 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 14.864 ppbv

RT: 8.915 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 1796186

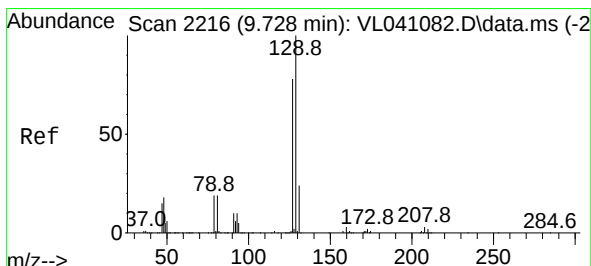
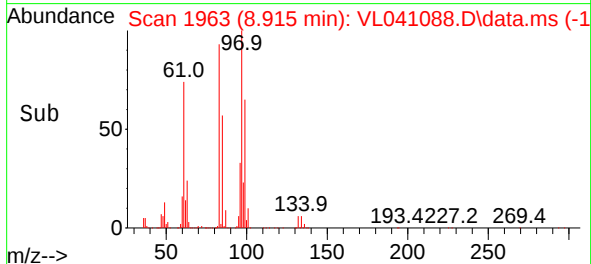
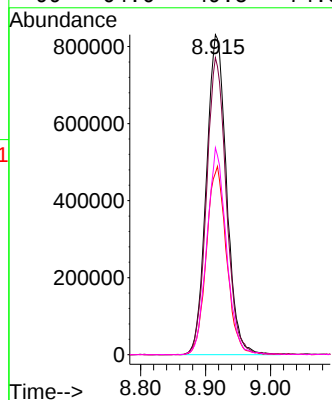
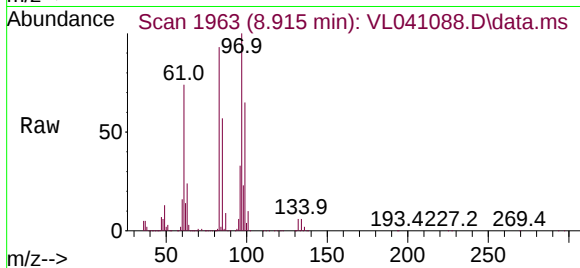
Ion Ratio Lower Upper

97 100

83 92.8 71.1 106.7

85 56.8 48.2 72.2

99 64.6 49.5 74.3



#48

Dibromochloromethane

Concen: 15.841 ppbv

RT: 9.725 min Scan# 2215

Delta R.T. -0.003 min

Lab File: VL041088.D

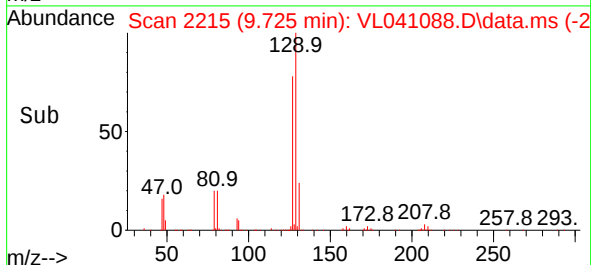
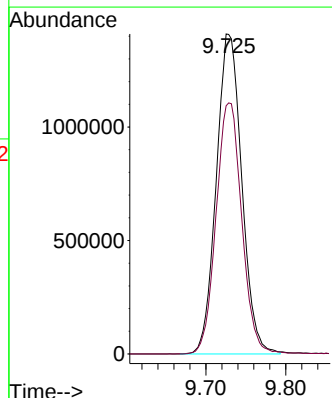
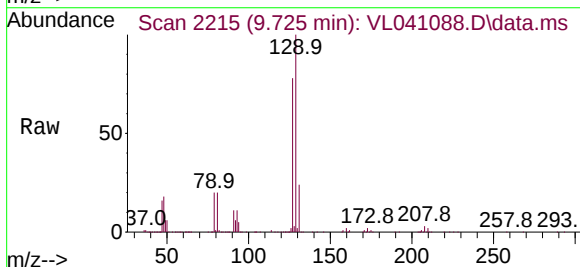
Acq: 11 Mar 2024 14:55

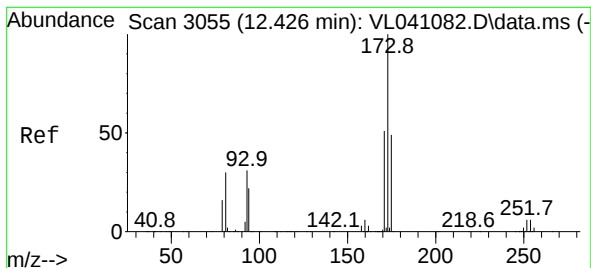
Tgt Ion: 129 Resp: 3118517

Ion Ratio Lower Upper

129 100

127 79.3 39.6 118.8





#49

Bromoform

Concen: 16.650 ppbv

RT: 12.426 min Scan# 3055

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

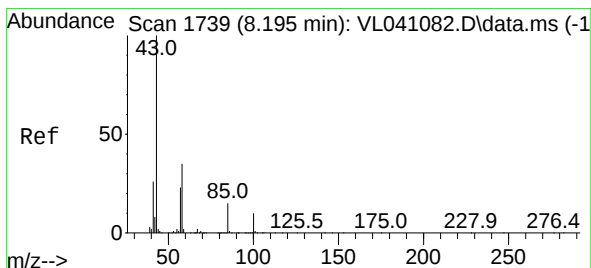
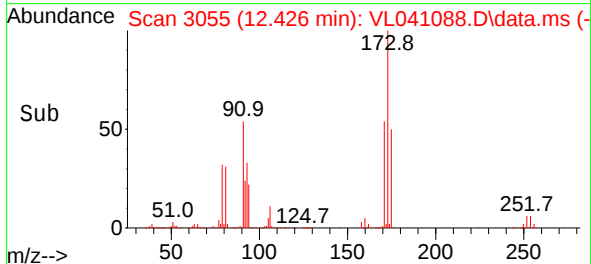
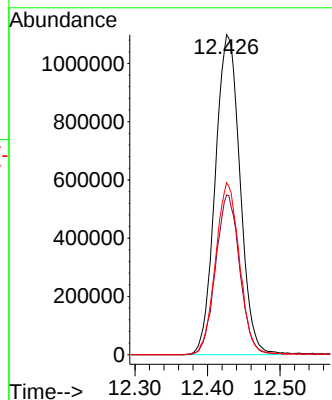
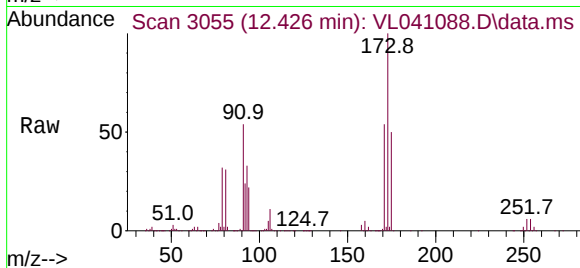
Tgt Ion:173 Resp: 2603825

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

171 52.4 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 15.372 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.000 min

Lab File: VL041088.D

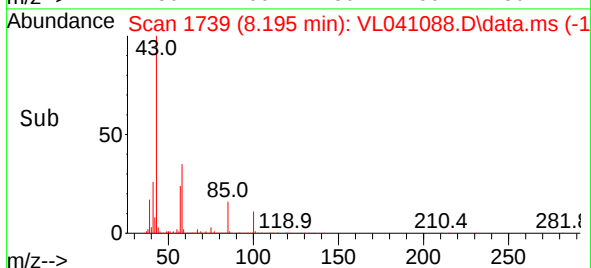
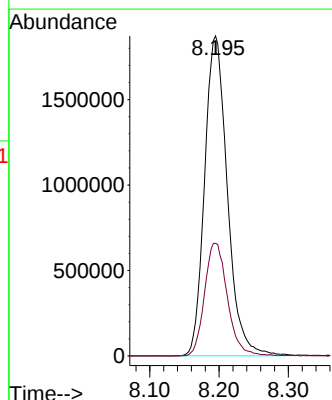
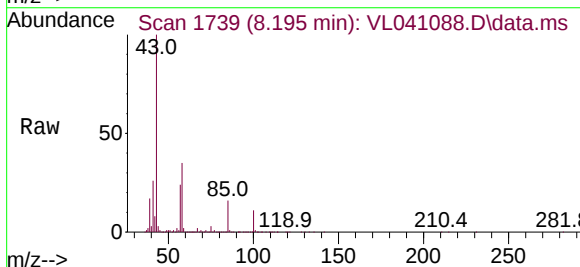
Acq: 11 Mar 2024 14:55

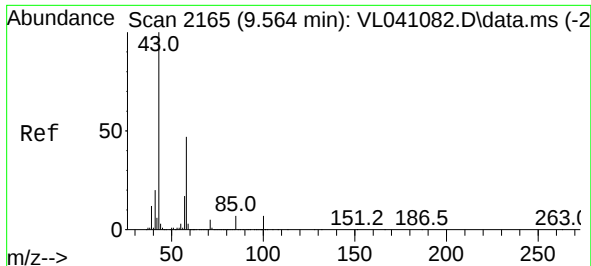
Tgt Ion: 43 Resp: 4263550

Ion Ratio Lower Upper

43 100

58 35.7 28.3 42.5

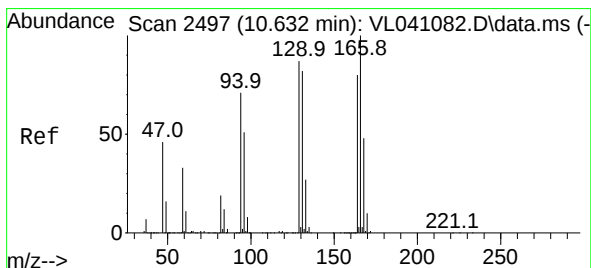
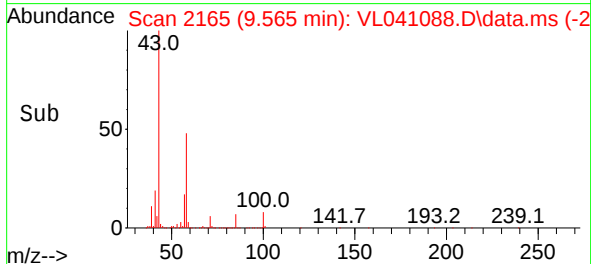
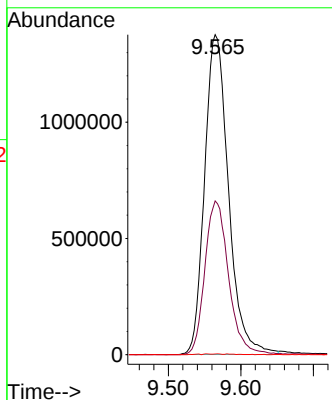
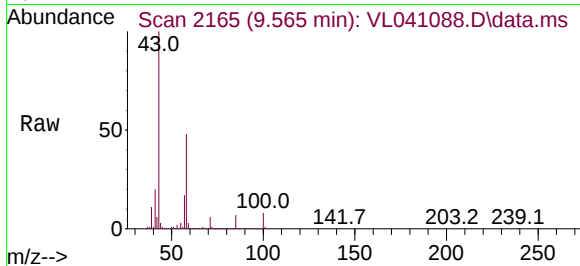




#51
2-Hexanone
Concen: 15.334 ppbv
RT: 9.565 min Scan# 2165
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

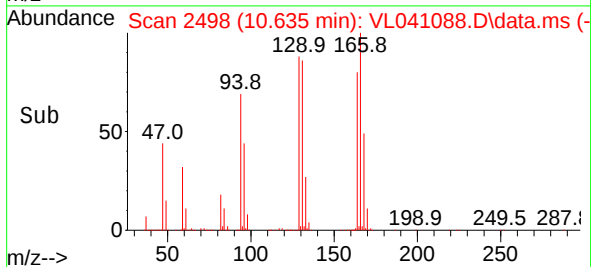
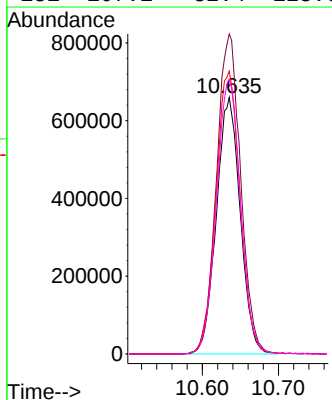
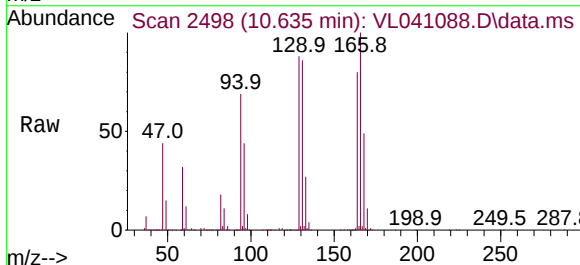
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

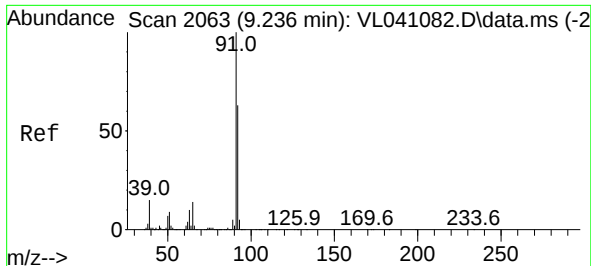
Tgt Ion: 43 Resp: 3149583
Ion Ratio Lower Upper
43 100
58 48.1 37.4 56.2
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 16.340 ppbv
RT: 10.635 min Scan# 2498
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion:164 Resp: 1436437
Ion Ratio Lower Upper
164 100
166 124.8 100.6 150.8
129 110.2 87.2 130.8
131 107.1 82.4 123.6





#53

Toluene

Concen: 15.527 ppbv

RT: 9.237 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

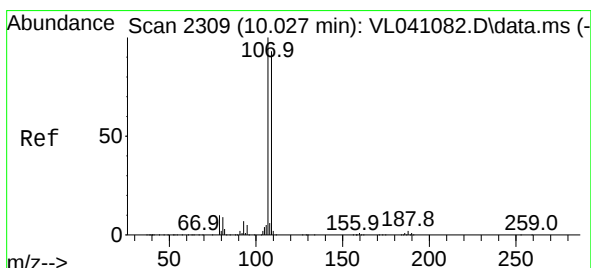
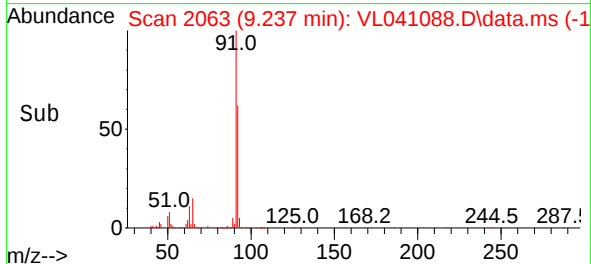
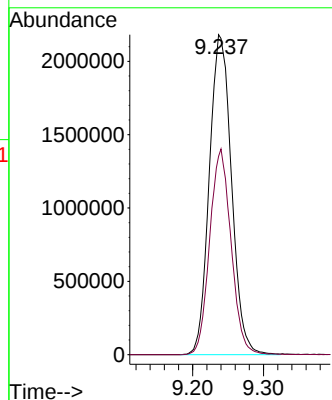
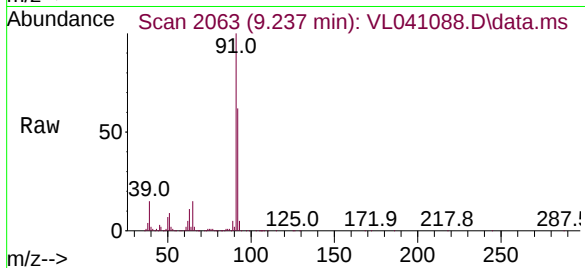
VSTDIC015

Tgt Ion: 91 Resp: 4731635

Ion Ratio Lower Upper

91 100

92 62.1 48.9 73.3



#54

1,2-Dibromoethane

Concen: 16.745 ppbv

RT: 10.028 min Scan# 2309

Delta R.T. 0.000 min

Lab File: VL041088.D

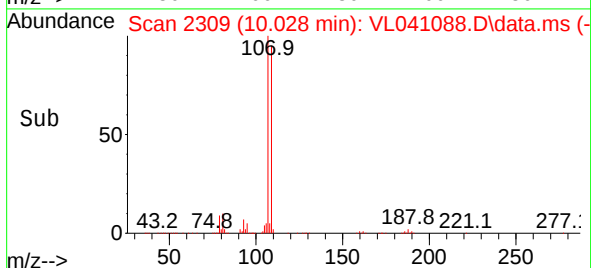
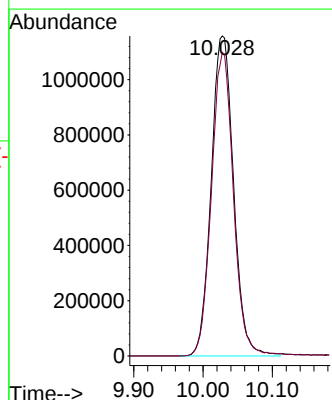
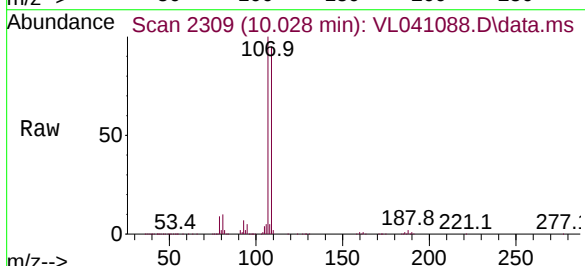
Acq: 11 Mar 2024 14:55

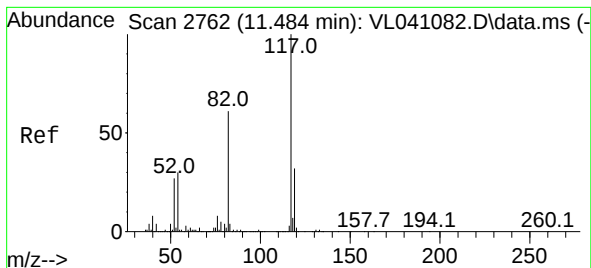
Tgt Ion: 107 Resp: 2596014

Ion Ratio Lower Upper

107 100

109 94.9 74.4 111.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 2762

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

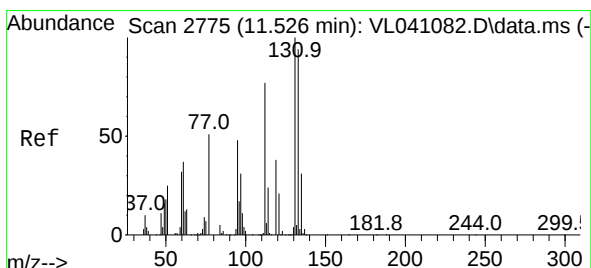
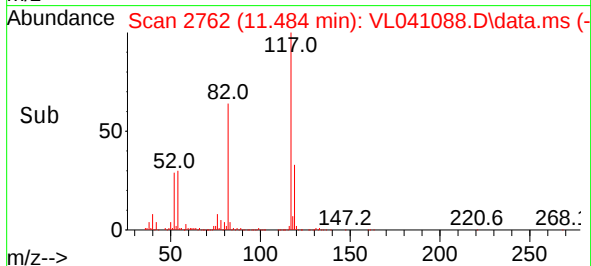
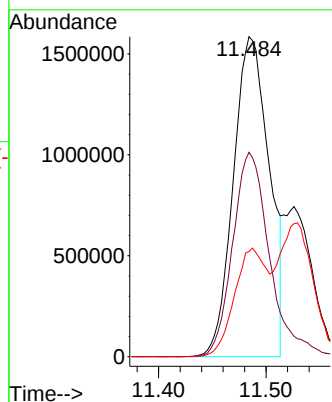
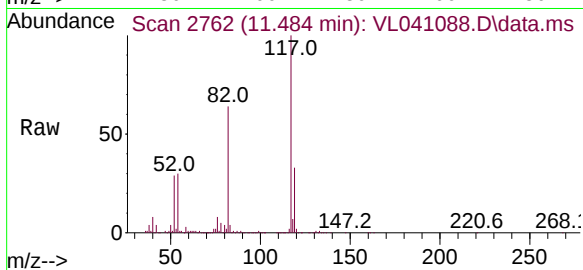
Tgt Ion:117 Resp: 3676284

Ion Ratio Lower Upper

117 100

82 66.3 51.4 77.2

119 32.7 23.7 35.5



#56

1,1,1,2-Tetrachloroethane

Concen: 14.200 ppbv

RT: 11.529 min Scan# 2776

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

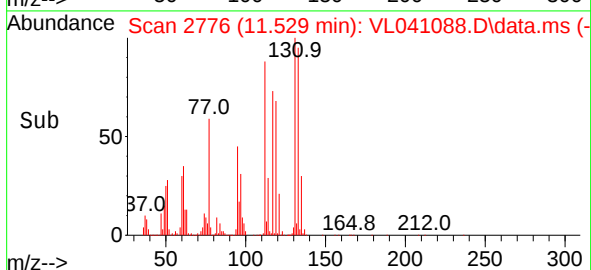
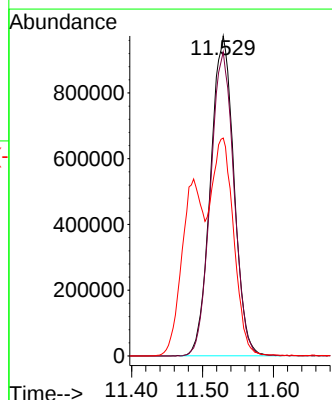
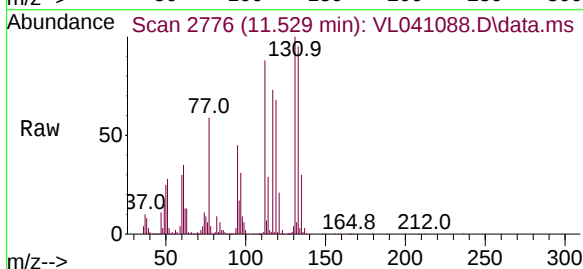
Tgt Ion:131 Resp: 2235161

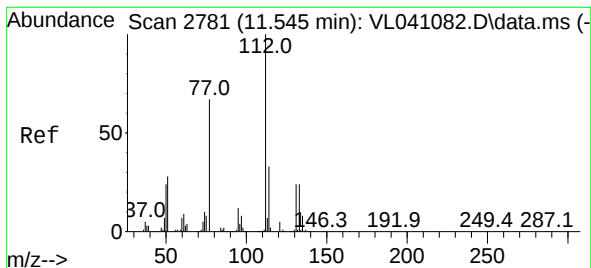
Ion Ratio Lower Upper

131 100

133 95.4 76.1 114.1

119 63.9 51.1 76.7

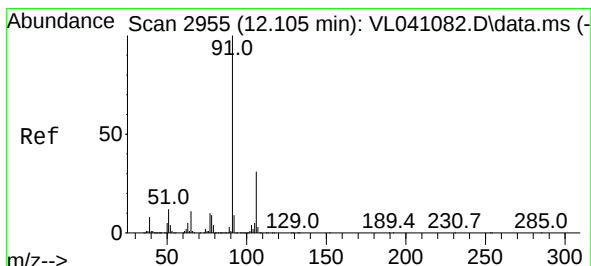
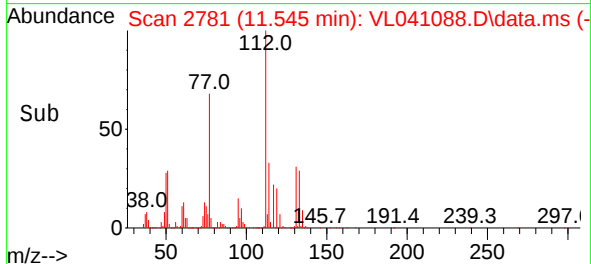
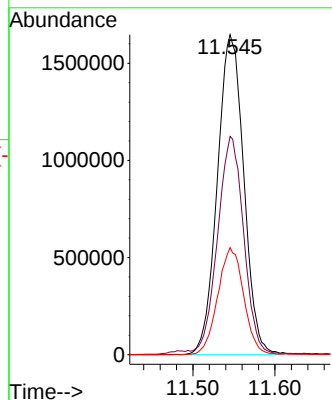
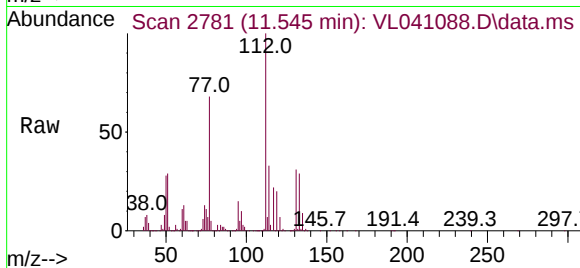




#57
Chlorobenzene
Concen: 13.994 ppbv
RT: 11.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

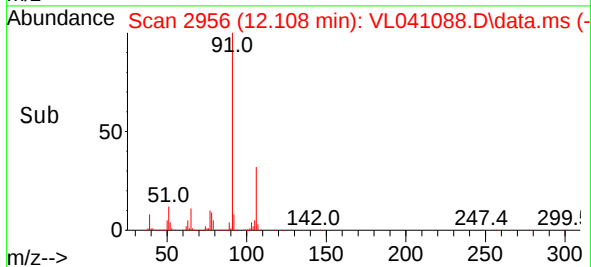
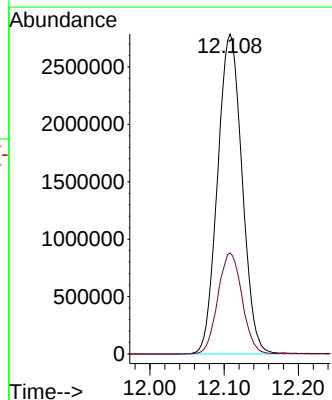
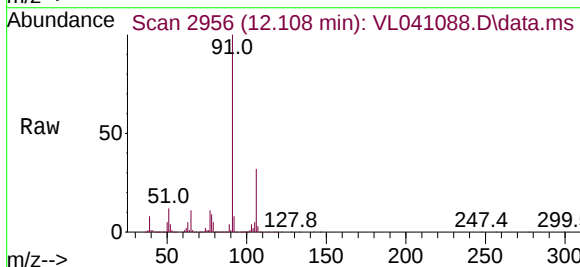
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

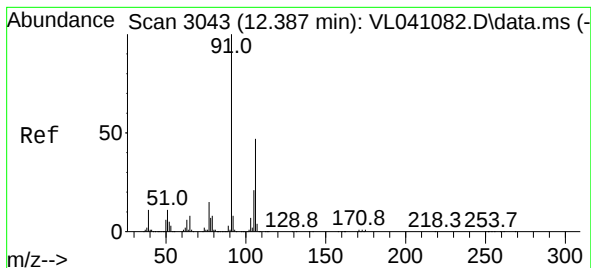
Tgt Ion:112 Resp: 3683217
Ion Ratio Lower Upper
112 100
77 67.8 54.6 81.8
114 33.5 29.4 36.0



#58
Ethyl Benzene
Concen: 14.833 ppbv
RT: 12.108 min Scan# 2956
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion: 91 Resp: 6384257
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8





#59

m/p-Xylene

Concen: 15.348 ppbv

RT: 12.394 min Scan# 3045

Delta R.T. 0.007 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

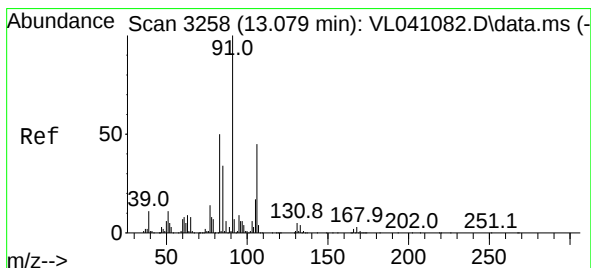
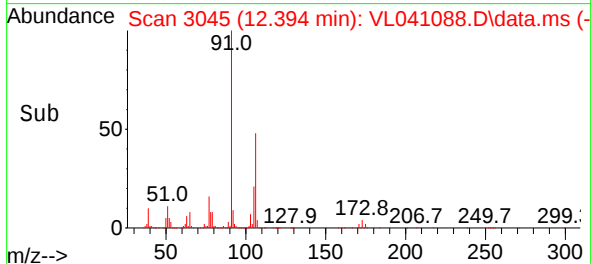
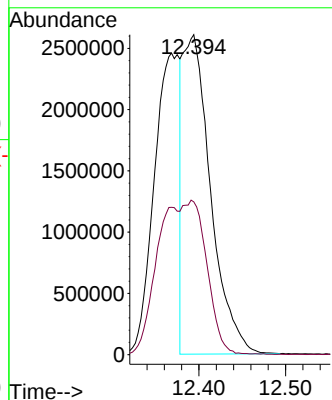
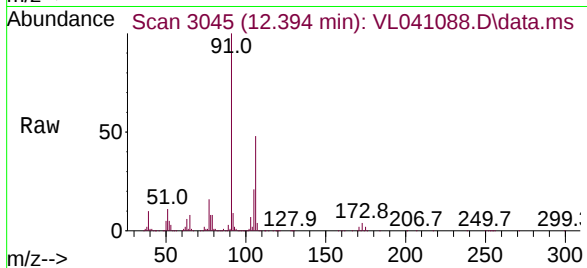
VSTDICC015

Tgt Ion: 91 Resp: 5799476

Ion Ratio Lower Upper

91 100

106 84.6 35.4 53.2#



#60

o-Xylene

Concen: 14.593 ppbv

RT: 13.079 min Scan# 3258

Delta R.T. 0.000 min

Lab File: VL041088.D

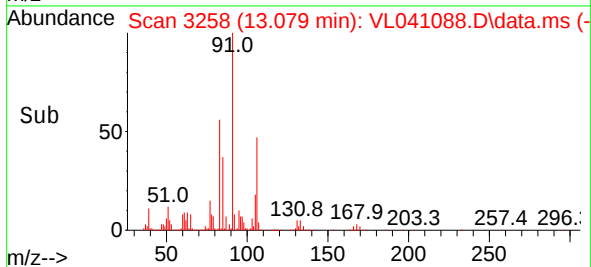
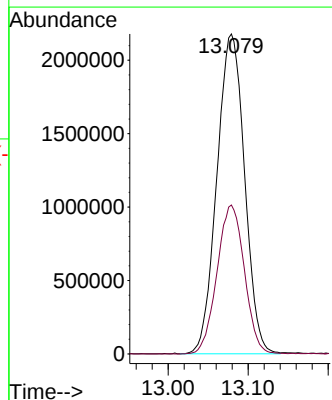
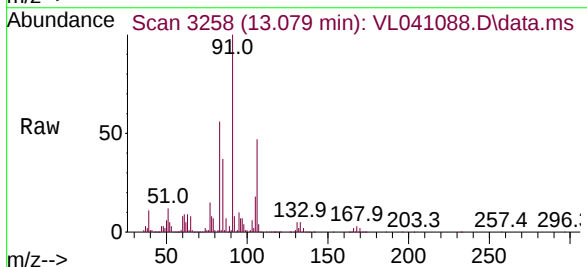
Acq: 11 Mar 2024 14:55

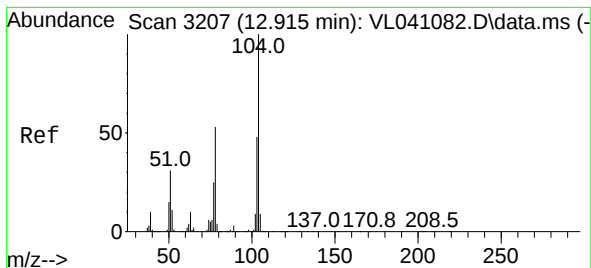
Tgt Ion: 91 Resp: 5230094

Ion Ratio Lower Upper

91 100

106 46.3 22.4 67.3





#61

Styrene

Concen: 17.065 ppbv

RT: 12.918 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

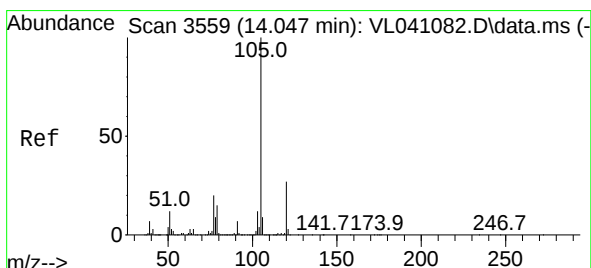
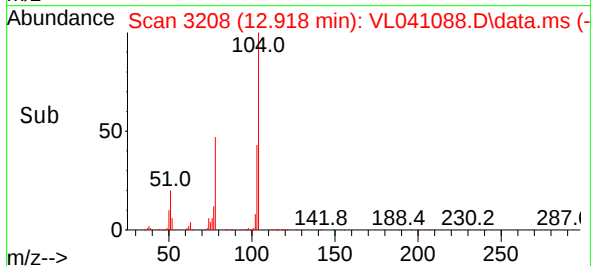
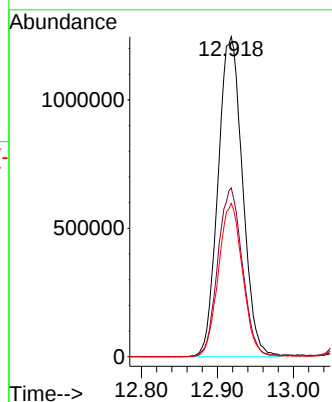
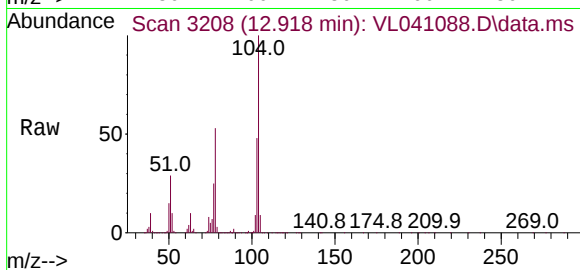
Tgt Ion:104 Resp: 2789472

Ion Ratio Lower Upper

104 100

78 53.1 42.6 64.0

103 47.5 37.3 55.9



#62

Isopropylbenzene

Concen: 14.119 ppbv

RT: 14.047 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL041088.D

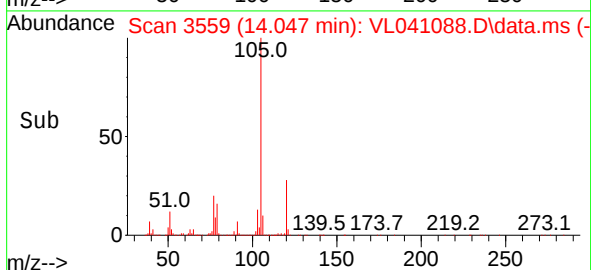
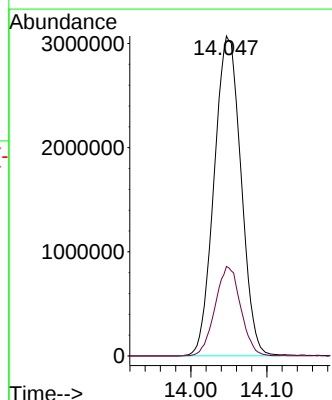
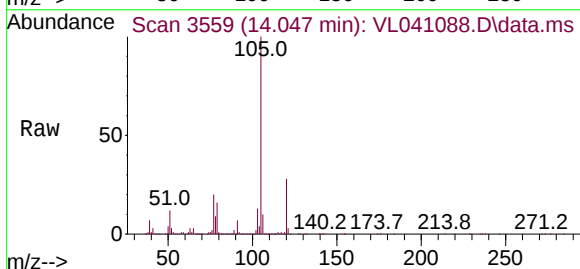
Acq: 11 Mar 2024 14:55

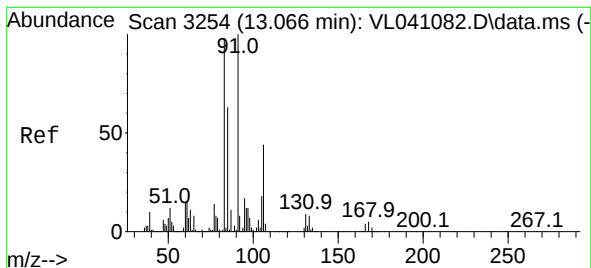
Tgt Ion:105 Resp: 7526739

Ion Ratio Lower Upper

105 100

120 26.7 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 14.322 ppbv

RT: 13.066 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

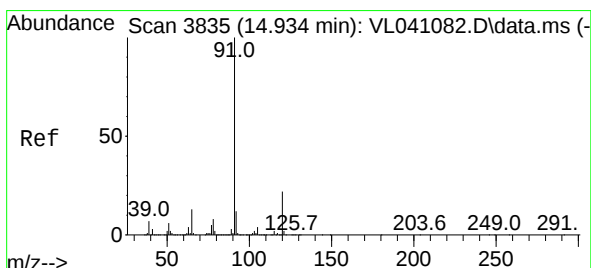
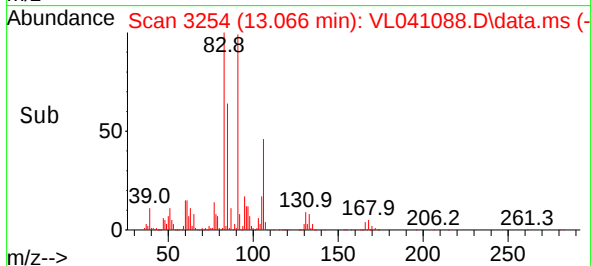
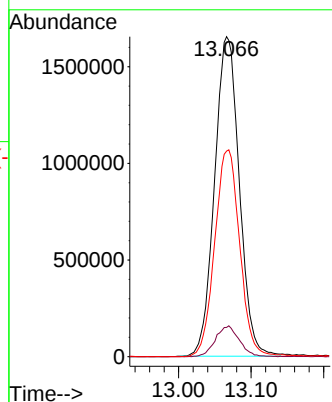
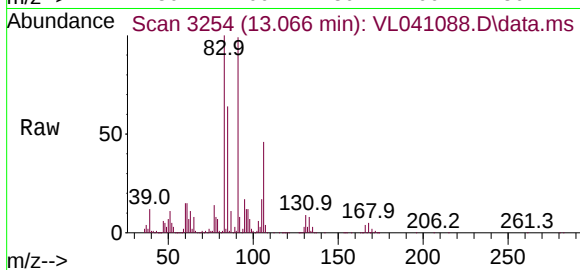
Tgt Ion: 83 Resp: 3919539

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

85 65.8 32.7 98.1



#64

n-propylbenzene

Concen: 15.168 ppbv

RT: 14.937 min Scan# 3836

Delta R.T. 0.003 min

Lab File: VL041088.D

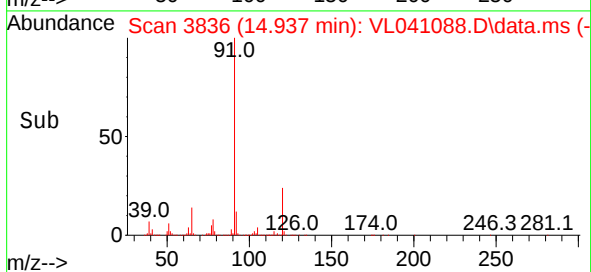
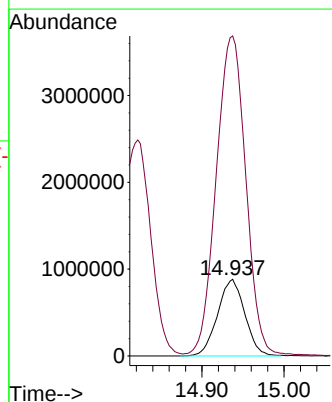
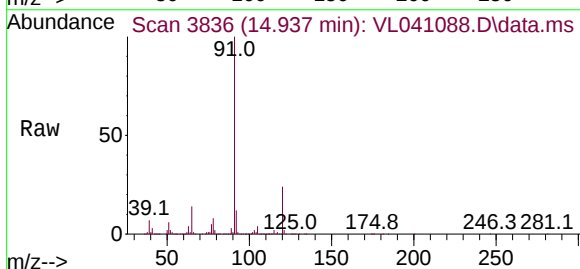
Acq: 11 Mar 2024 14:55

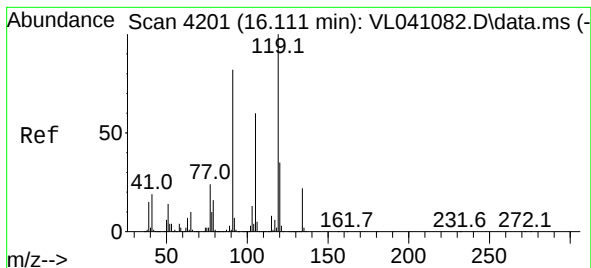
Tgt Ion:120 Resp: 2037703

Ion Ratio Lower Upper

120 100

91 455.5 387.5 581.3





#65

tert-Butylbenzene

Concen: 14.415 ppbv

RT: 16.111 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

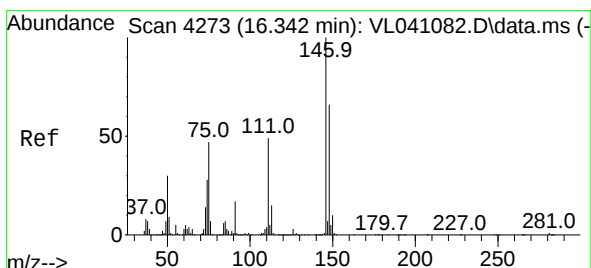
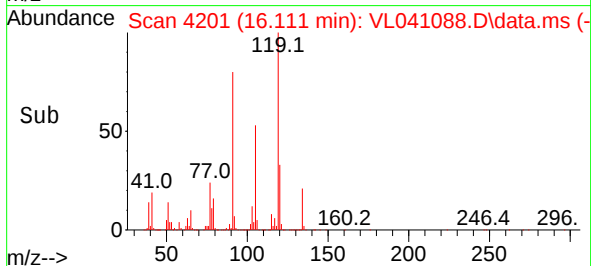
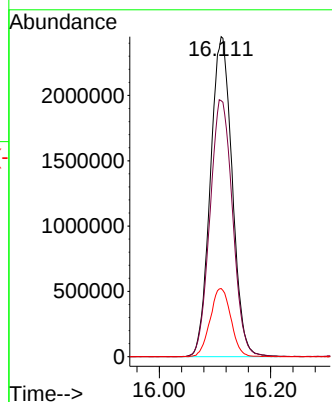
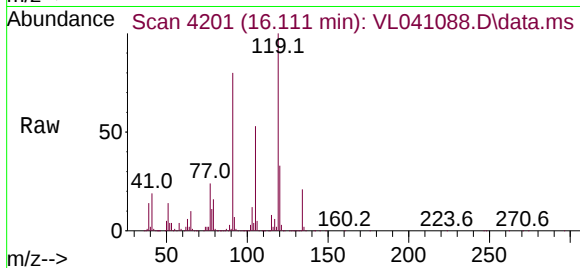
Tgt Ion:119 Resp: 6666512

Ion Ratio Lower Upper

119 100

91 83.2 67.8 101.8

134 20.3 16.2 24.2



#66

Benzyl Chloride

Concen: 18.717 ppbv

RT: 16.346 min Scan# 4274

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

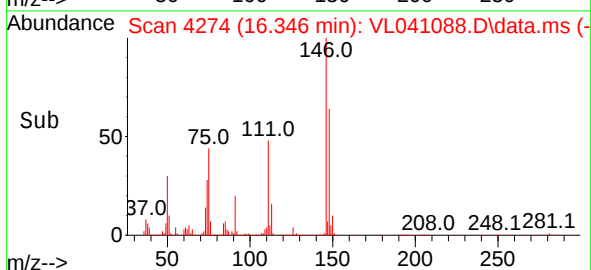
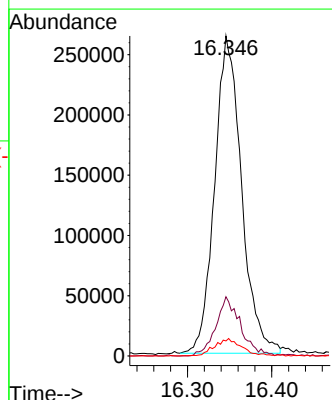
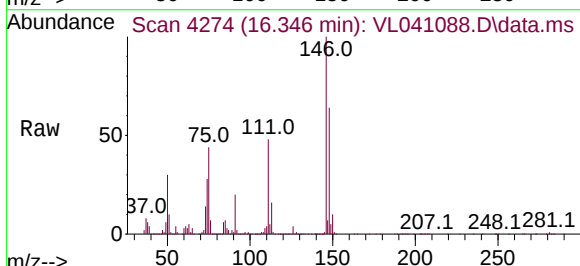
Tgt Ion: 91 Resp: 583309

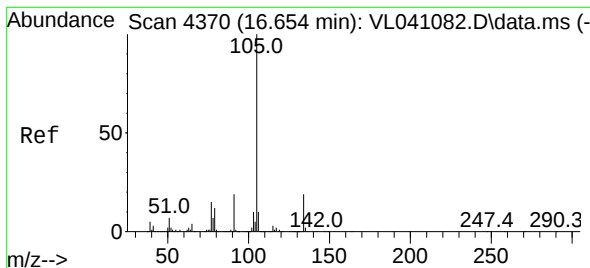
Ion Ratio Lower Upper

91 100

126 17.6 14.1 21.1

128 5.6 4.6 7.0





#67

sec-Butylbenzene

Concen: 13.948 ppbv

RT: 16.658 min Scan# 4371

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

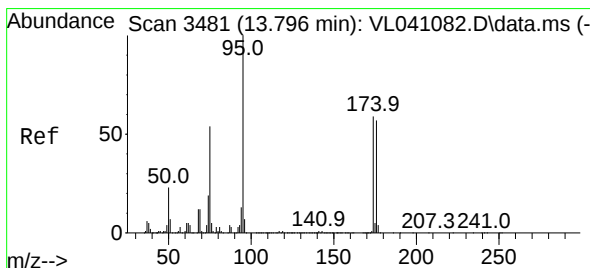
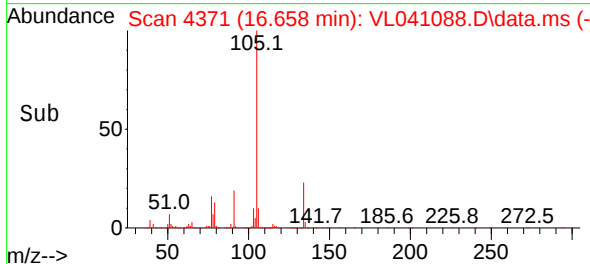
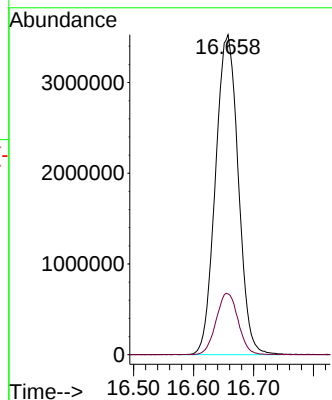
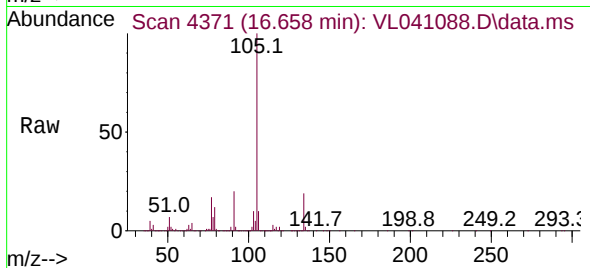
VSTDIC015

Tgt Ion:105 Resp: 9291872

Ion Ratio Lower Upper

105 100

134 18.6 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 10.198 ppbv

RT: 13.796 min Scan# 3481

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

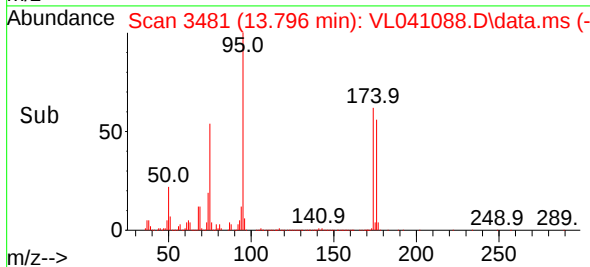
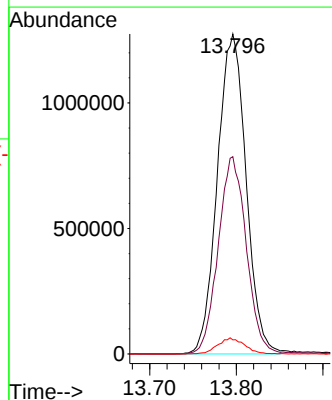
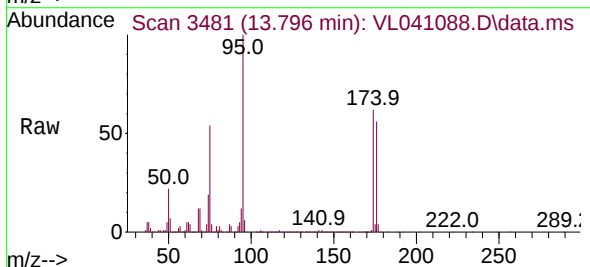
Tgt Ion: 95 Resp: 2931349

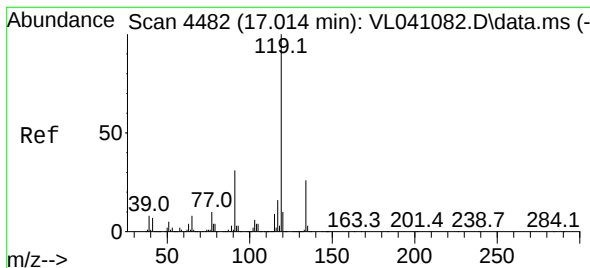
Ion Ratio Lower Upper

95 100

174 61.0 47.8 71.8

175 4.7 3.5 5.3





#69

p-Isopropyltoluene

Concen: 14.707 ppbv

RT: 17.018 min Scan# 4482

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

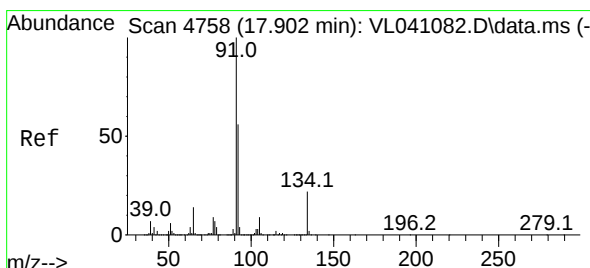
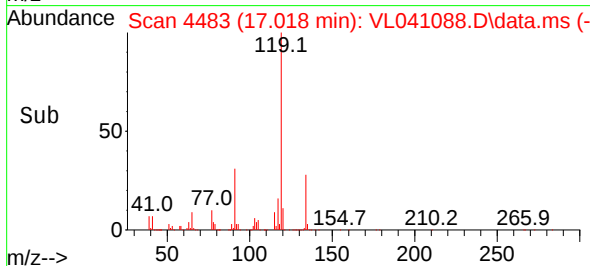
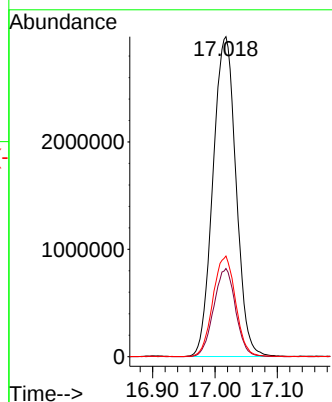
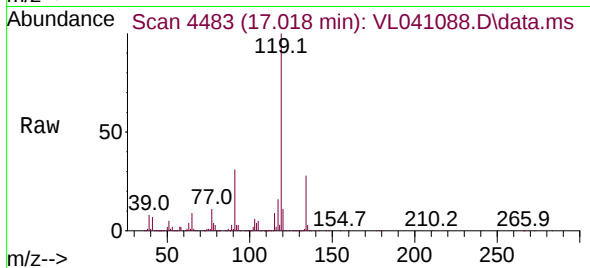
Tgt Ion:119 Resp: 7642726

Ion Ratio Lower Upper

119 100

134 26.3 20.6 30.8

91 30.9 24.7 37.1



#70

n-Butylbenzene

Concen: 14.534 ppbv

RT: 17.905 min Scan# 4759

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

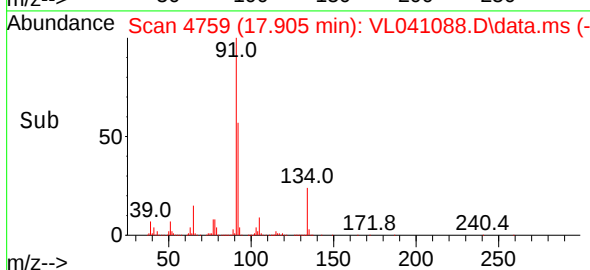
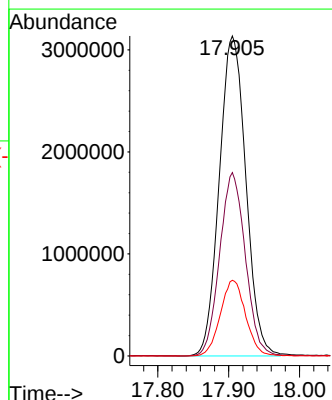
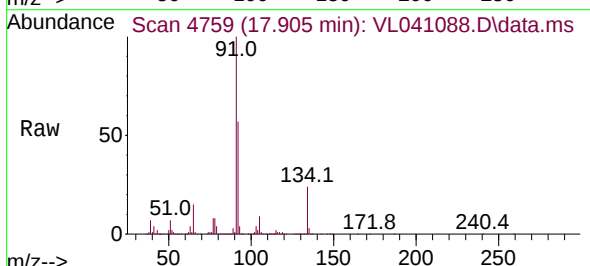
Tgt Ion: 91 Resp: 8163015

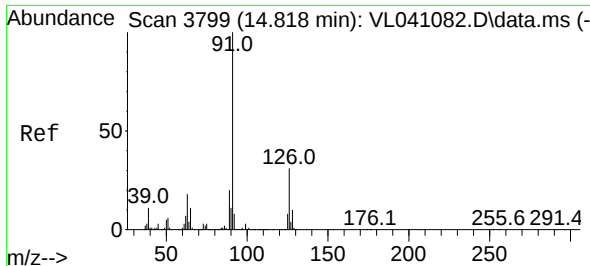
Ion Ratio Lower Upper

91 100

92 55.5 43.4 65.2

134 22.6 17.4 26.0

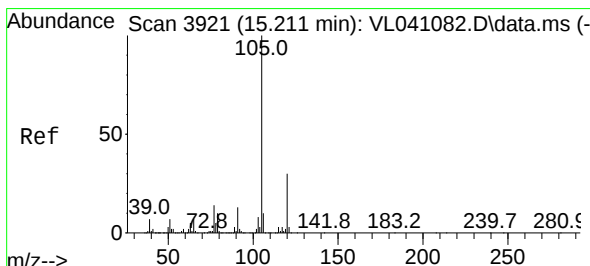
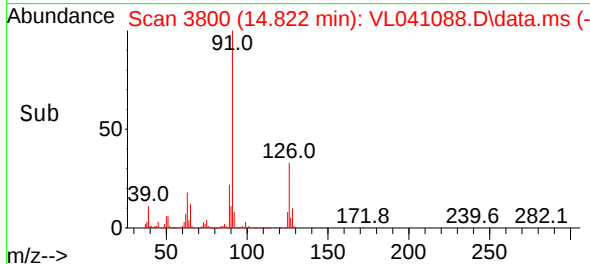
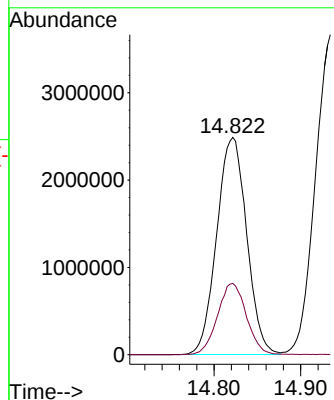
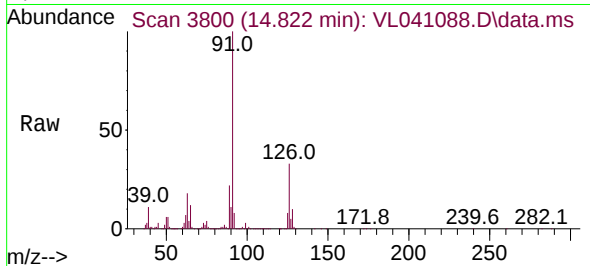




#71
2-Chlorotoluene
Concen: 14.671 ppbv
RT: 14.822 min Scan# 3799
Delta R.T. 0.003 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

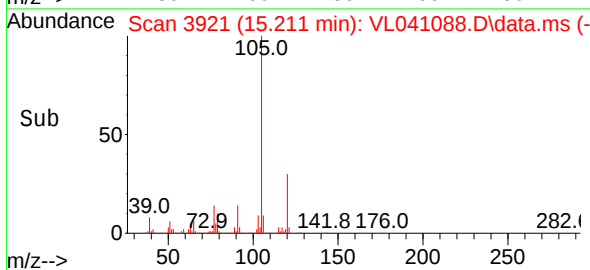
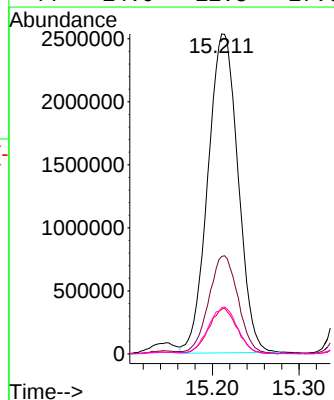
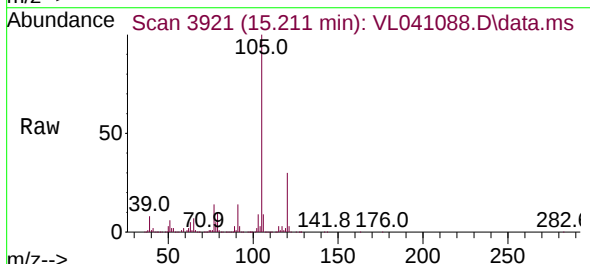
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

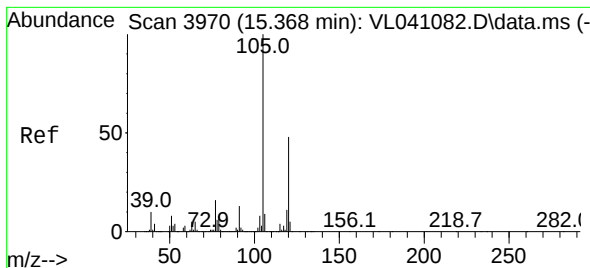
Tgt Ion: 91 Resp: 5979929
Ion Ratio Lower Upper
91 100
126 31.8 12.2 48.8



#72
4-Ethyltoluene
Concen: 15.474 ppbv
RT: 15.211 min Scan# 3921
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion:105 Resp: 6111660
Ion Ratio Lower Upper
105 100
120 31.2 23.8 35.8
91 14.4 10.9 16.3
77 14.9 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 15.076 ppbv

RT: 15.371 min Scan# 3971

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

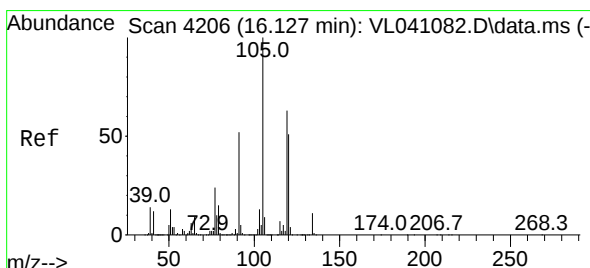
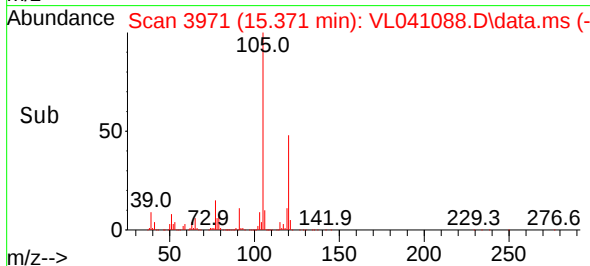
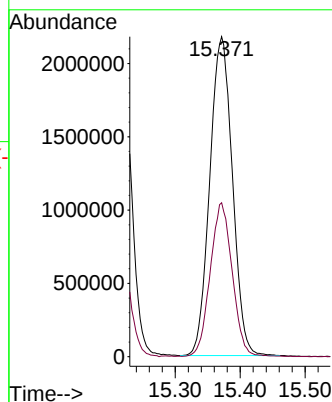
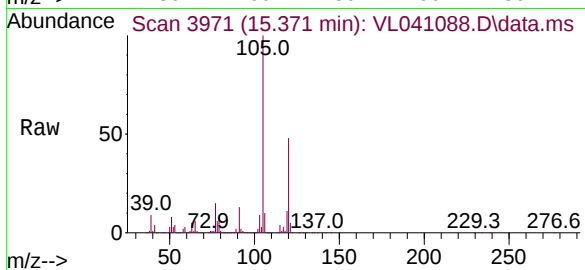
VSTDIC015

Tgt Ion:105 Resp: 5269144

Ion Ratio Lower Upper

105 100

120 48.1 38.7 58.1



#74

1,2,4-Trimethylbenzene

Concen: 14.286 ppbv

RT: 16.127 min Scan# 4206

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Tgt Ion:105 Resp: 5702555

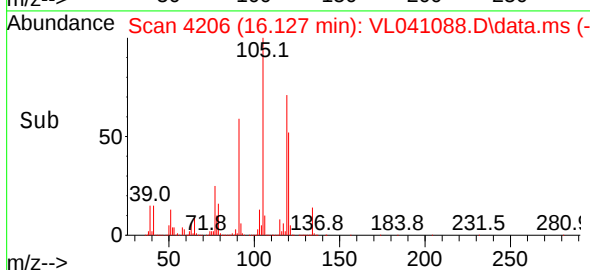
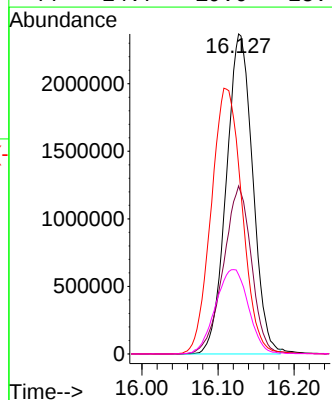
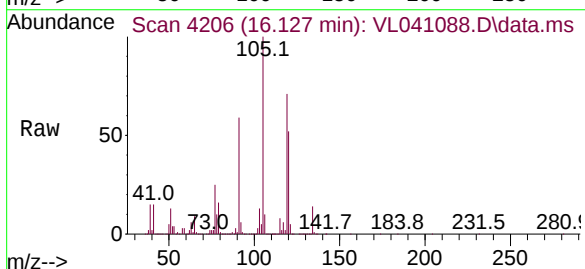
Ion Ratio Lower Upper

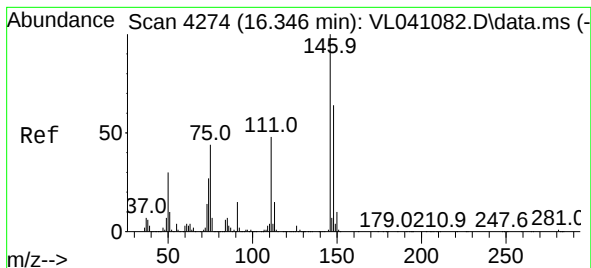
105 100

120 52.5 40.4 60.6

91 58.8 41.4 62.0

77 24.7 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 14.798 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.148 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

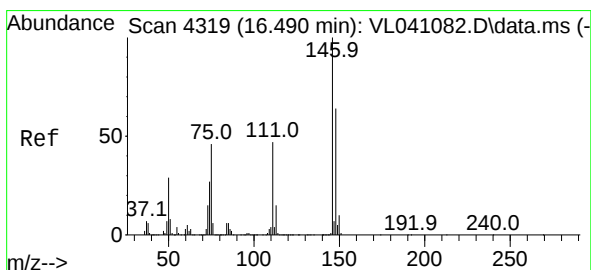
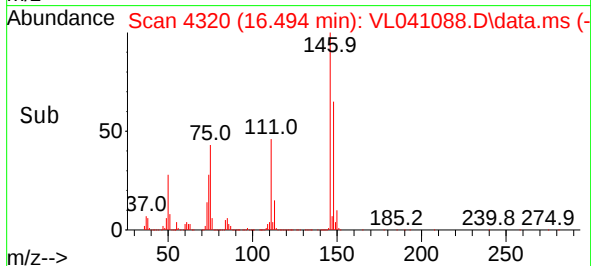
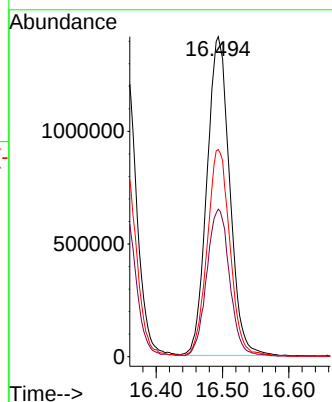
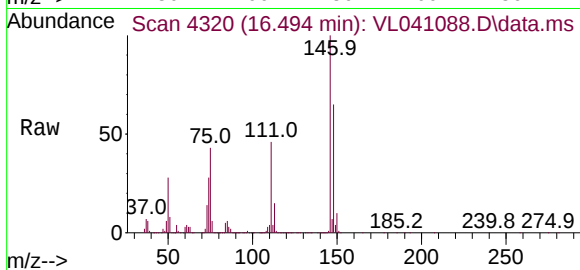
Tgt Ion:146 Resp: 3371309

Ion Ratio Lower Upper

146 100

111 46.8 24.1 72.2

148 65.4 32.6 97.7



#76

1,4-Dichlorobenzene

Concen: 14.708 ppbv

RT: 16.494 min Scan# 4320

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

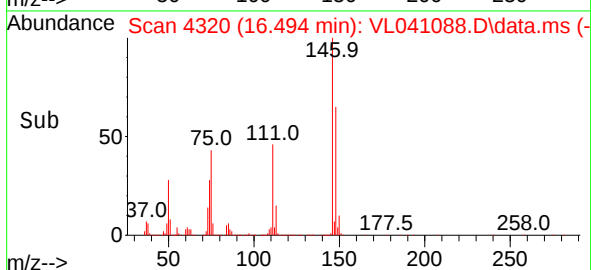
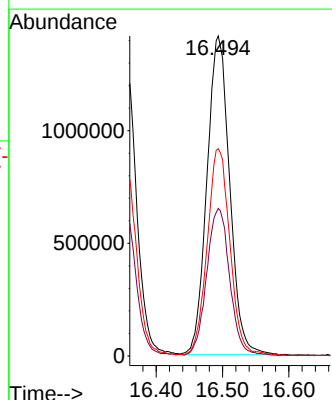
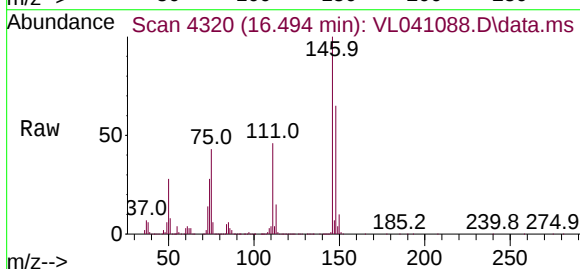
Tgt Ion:146 Resp: 3371309

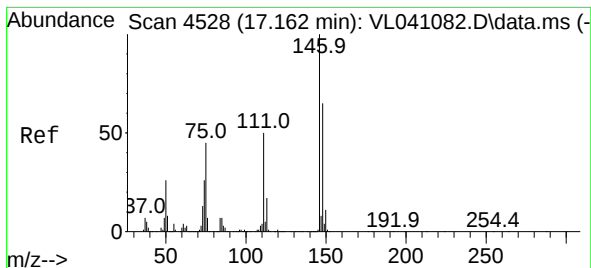
Ion Ratio Lower Upper

146 100

111 46.8 23.9 71.7

148 65.4 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 14.592 ppbv

RT: 17.162 min Scan# 4528

Delta R.T. 0.000 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

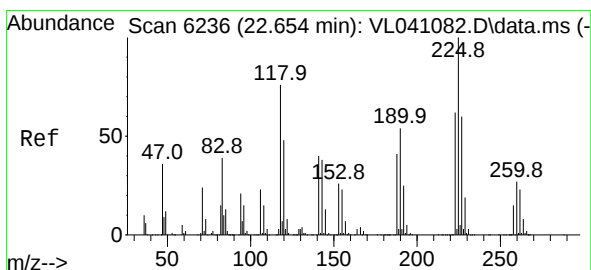
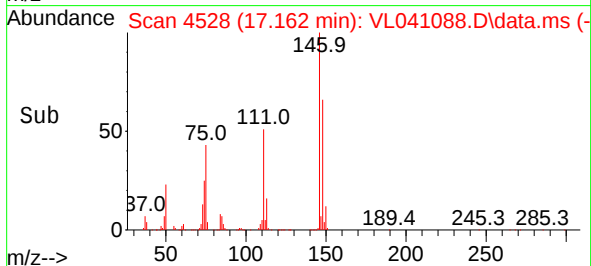
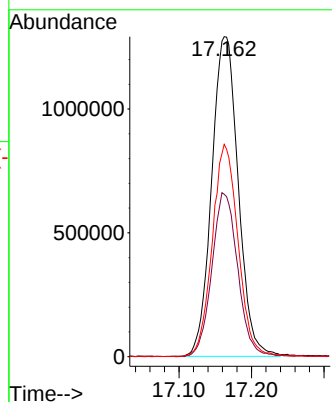
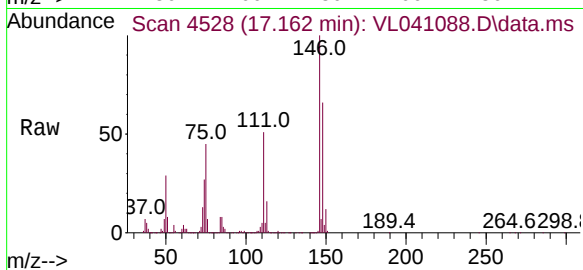
Tgt Ion:146 Resp: 3283543

Ion Ratio Lower Upper

146 100

111 50.0 25.2 75.6

148 64.6 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 12.571 ppbv

RT: 22.657 min Scan# 6237

Delta R.T. 0.003 min

Lab File: VL041088.D

Acq: 11 Mar 2024 14:55

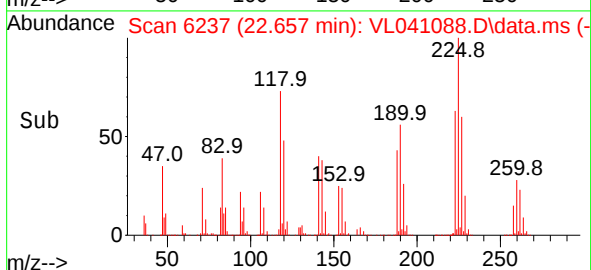
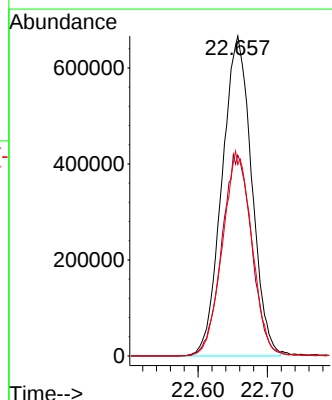
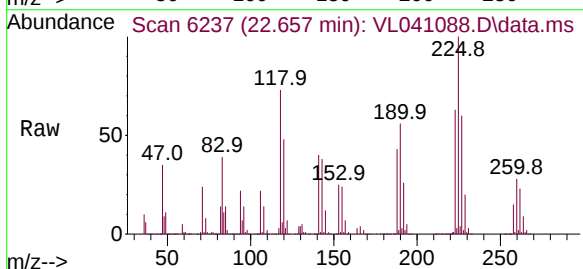
Tgt Ion:225 Resp: 1978518

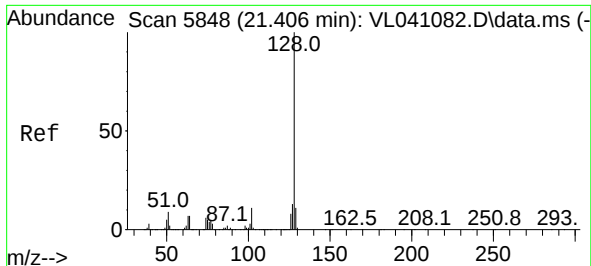
Ion Ratio Lower Upper

225 100

223 64.1 51.1 76.7

227 63.8 51.1 76.7

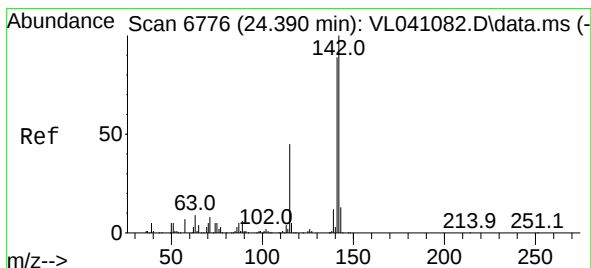
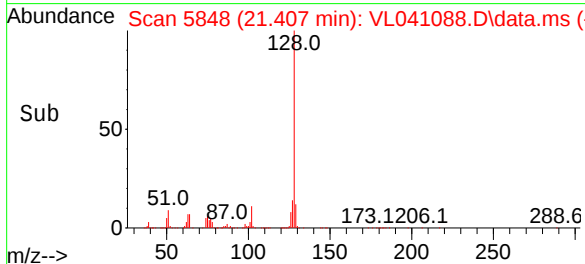
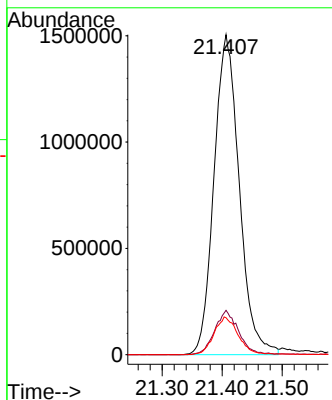
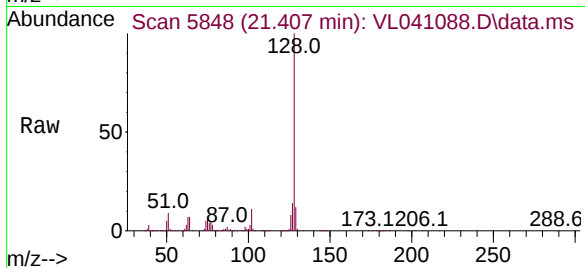




#79
Naphthalene
Concen: 18.684 ppbv
RT: 21.407 min Scan# 5848
Delta R.T. 0.000 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

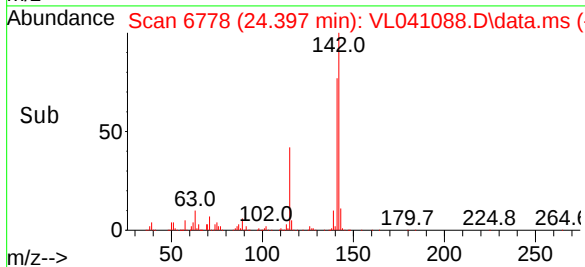
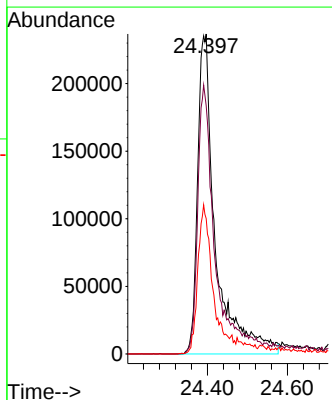
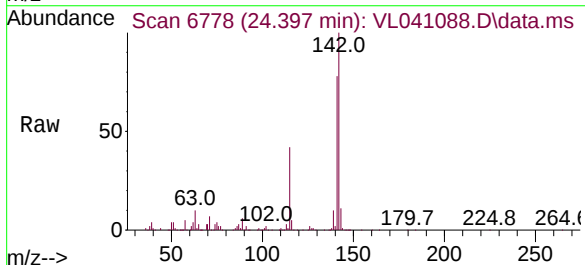
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

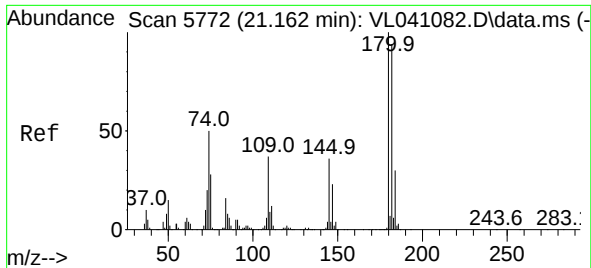
Tgt Ion:128 Resp: 4389432
Ion Ratio Lower Upper
128 100
127 13.8 10.6 15.8
129 11.5 9.0 13.6



#80
Naphthalene, 2-methyl-
Concen: 24.046 ppbv
RT: 24.397 min Scan# 6778
Delta R.T. 0.007 min
Lab File: VL041088.D
Acq: 11 Mar 2024 14:55

Tgt Ion:142 Resp: 737644
Ion Ratio Lower Upper
142 100
141 84.6 61.3 91.9
115 44.1 35.4 53.2





#81
 1,2,4-Trichlorobenzene
 Concen: 15.930 ppbv
 RT: 21.159 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL041088.D
 Acq: 11 Mar 2024 14:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 2139022

Ion	Ratio	Lower	Upper
180	100		
182	98.4	78.7	118.1
184	30.9	25.3	37.9

