

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041245.D
 Acq On : 8 May 2024 15:51
 Operator : SY/MD
 Sample : P2334-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 09 02:51:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu May 09 02:43:03 2024
 Response via : Initial Calibration

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

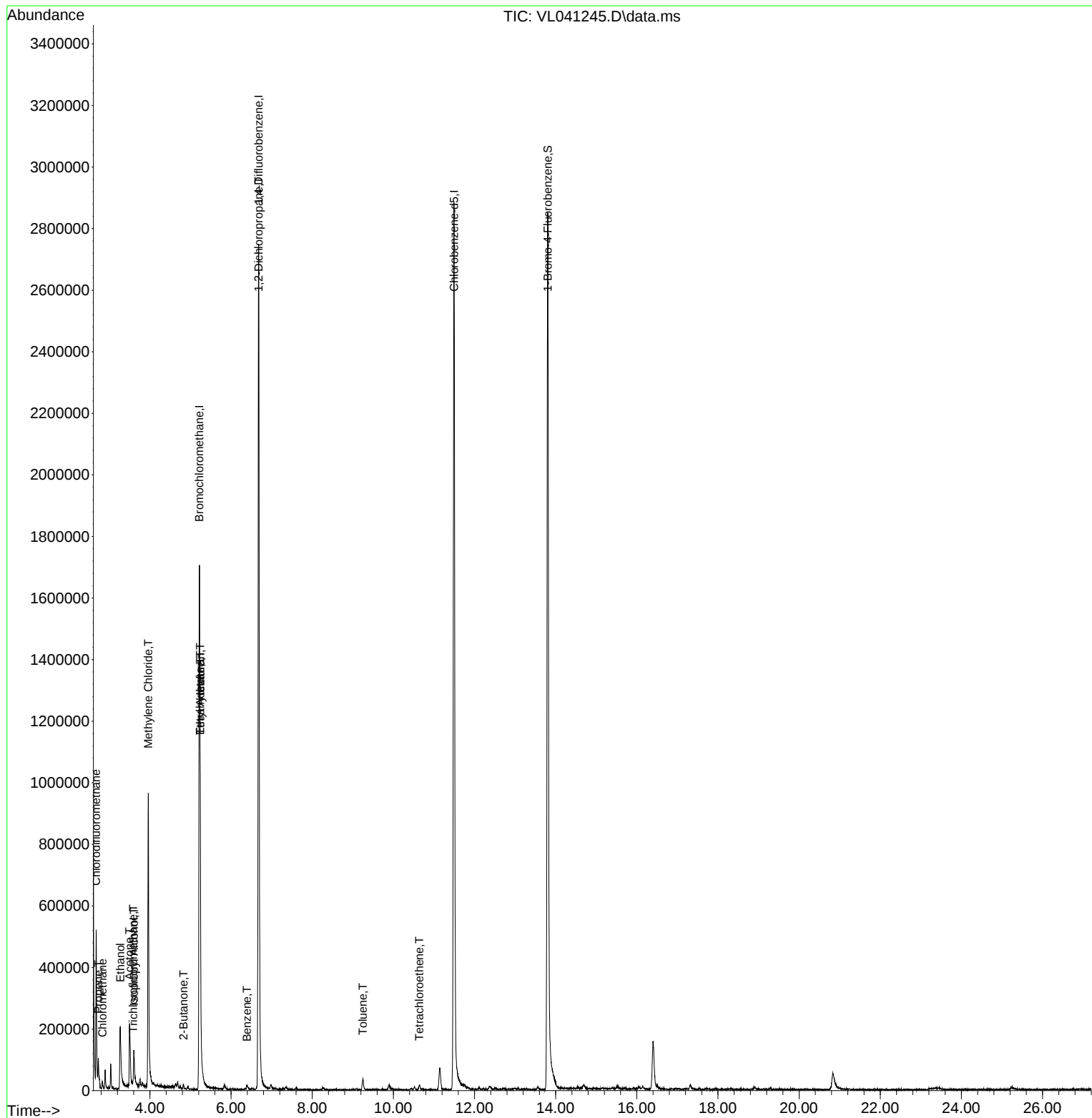
Internal Standards						
1) Bromochloromethane	5.218	49	803607	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.680	114	2101899	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	1917809	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1447366	9.997	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.674	51	303194	2.484	ppbv #	61
4) Chloromethane	2.832	50	5566	0.116	ppbv #	43
9) Propene	2.729	41	20492	0.429	ppbv #	71
11) Trichlorofluoromethane	3.587	101	6304	0.057	ppbv	95
13) Ethanol	3.269	45	236756	22.112	ppbv	93
15) Acetone	3.497	43	210874	2.223	ppbv	100
19) Isopropyl Alcohol	3.603	45	124910	2.007	ppbv #	45
20) Methylene Chloride	3.960	84	307658	9.329	ppbv	95
25) Ethyl Acetate	5.240	43	176971	0.935	ppbv #	80
26) Hexane	5.237	57	228492	2.705	ppbv #	42
34) 2-Butanone	4.825	43	15214	0.142	ppbv #	84
36) Benzene	6.394	78	7269	0.041	ppbv #	92
39) 1,2-Dichloropropane	6.677	63	527248	7.756	ppbv #	23
41) Tetrahydrofuran	5.240	42	85626	1.106	ppbv #	52
52) Tetrachloroethene	10.639	164	2475	0.040	ppbv #	42
53) Toluene	9.246	91	15436	0.075	ppbv #	20

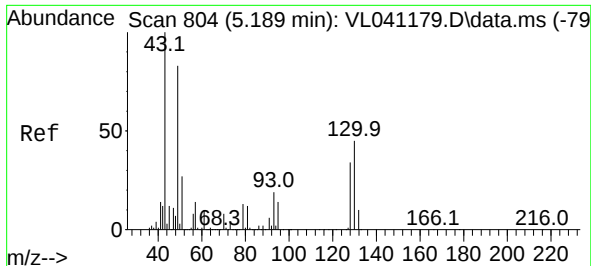
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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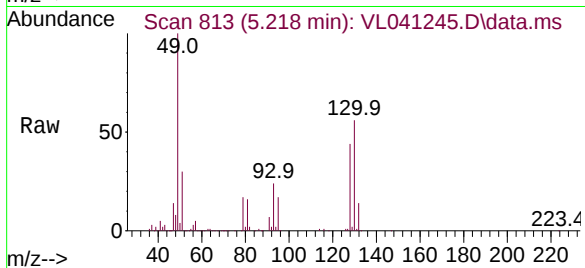
Quant Time: May 09 02:51:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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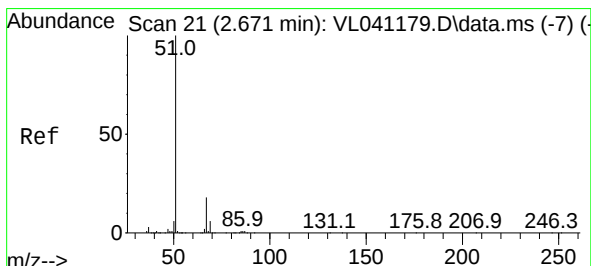
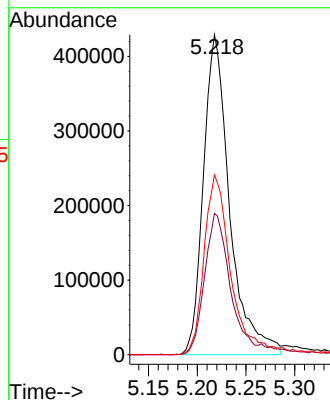
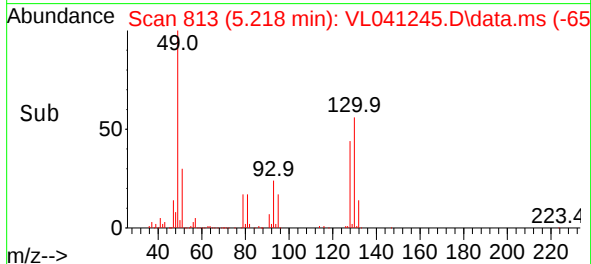


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.218 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL041245.D
Acq: 8 May 2024 15:51

Instrument :
MSVOA_L
ClientSampleId :

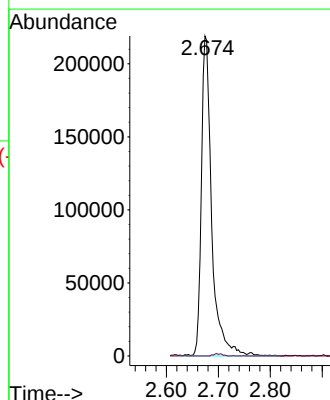
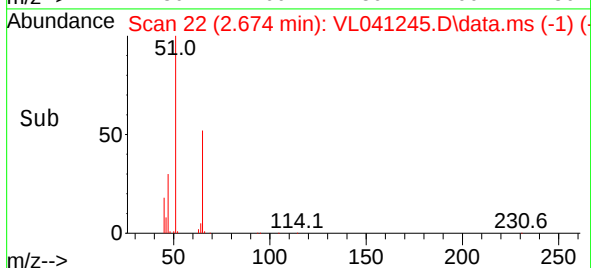
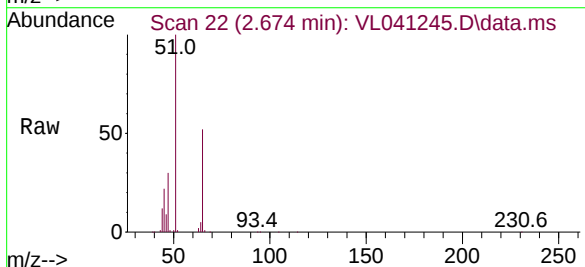


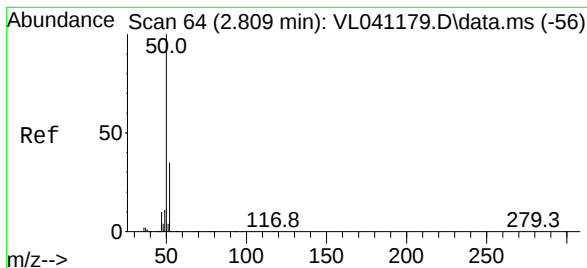
Tgt Ion: 49 Resp: 803607
Ion Ratio Lower Upper
49 100
128 46.9 21.5 64.5
130 59.8 27.2 81.6



#3
Chlorodifluoromethane
Concen: 2.484 ppbv
RT: 2.674 min Scan# 22
Delta R.T. -0.016 min
Lab File: VL041245.D
Acq: 8 May 2024 15:51

Tgt Ion: 51 Resp: 303194
Ion Ratio Lower Upper
51 100
67 0.6 14.0 21.0#





#4

Chloromethane

Concen: 0.116 ppbv

RT: 2.832 min Scan# 71

Delta R.T. -0.000 min

Lab File: VL041245.D

Acq: 8 May 2024 15:51

Instrument :

MSVOA_L

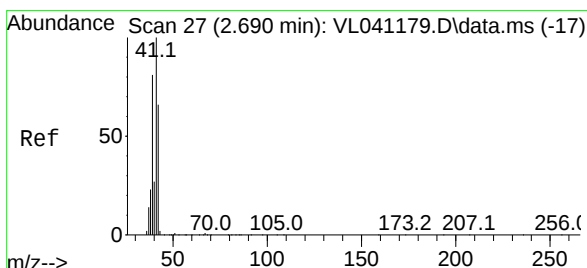
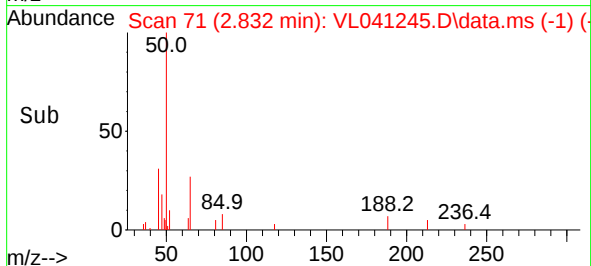
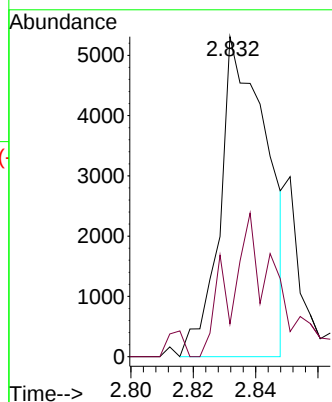
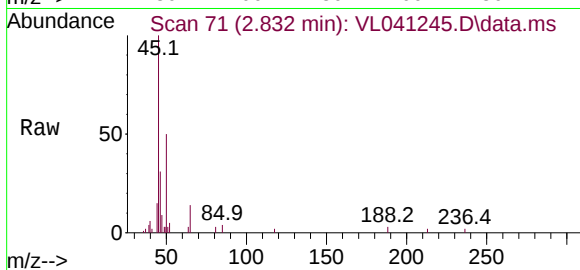
ClientSampleId :

Tgt Ion: 50 Resp: 5566

Ion Ratio Lower Upper

50 100

52 2.3 28.3 42.5#



#9

Propene

Concen: 0.429 ppbv

RT: 2.729 min Scan# 39

Delta R.T. 0.019 min

Lab File: VL041245.D

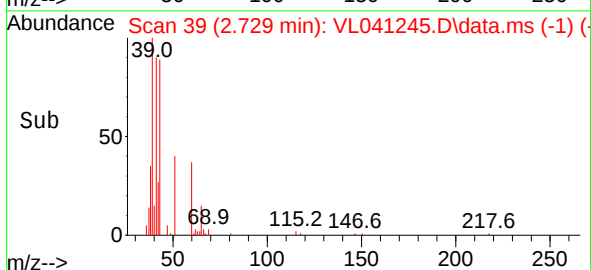
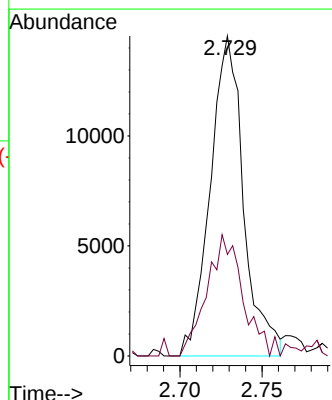
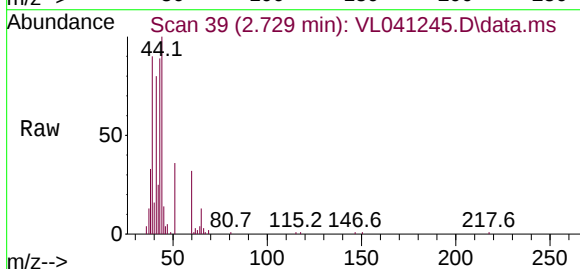
Acq: 8 May 2024 15:51

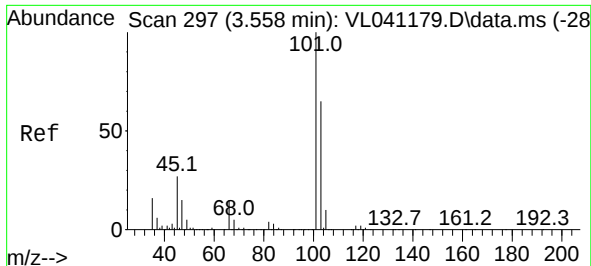
Tgt Ion: 41 Resp: 20492

Ion Ratio Lower Upper

41 100

42 45.6 55.3 82.9#





#11

Trichlorofluoromethane

Concen: 0.057 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.006 min

Lab File: VL041245.D

Acq: 8 May 2024 15:51

Instrument :

MSVOA_L

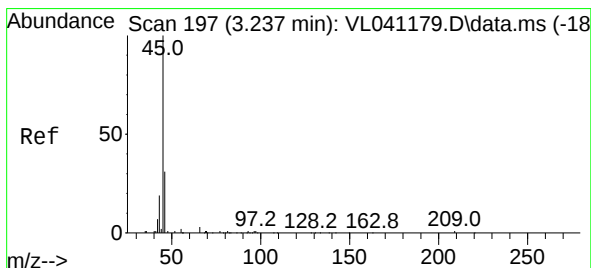
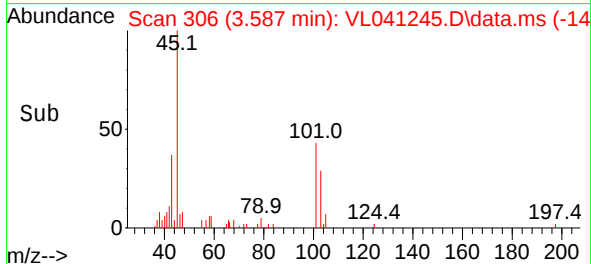
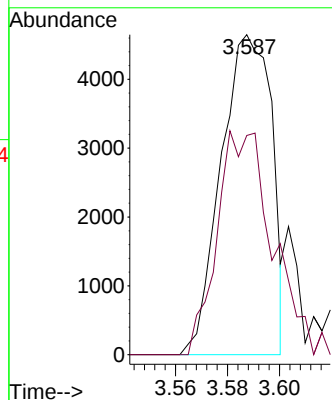
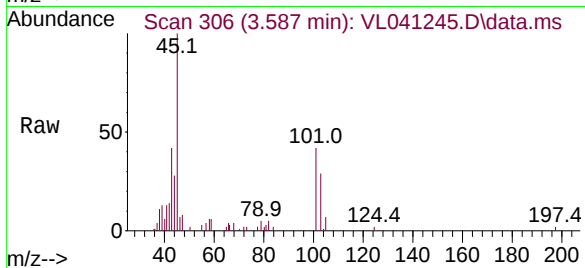
ClientSampleId :

Tgt Ion:101 Resp: 6304

Ion Ratio Lower Upper

101 100

103 68.5 51.6 77.4



#13

Ethanol

Concen: 22.112 ppbv

RT: 3.269 min Scan# 207

Delta R.T. 0.013 min

Lab File: VL041245.D

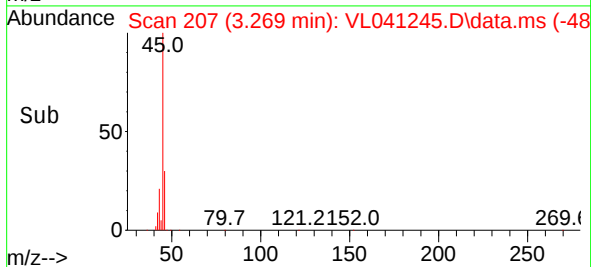
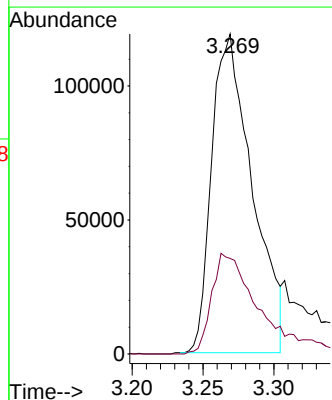
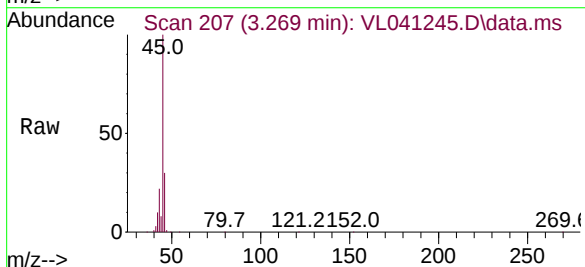
Acq: 8 May 2024 15:51

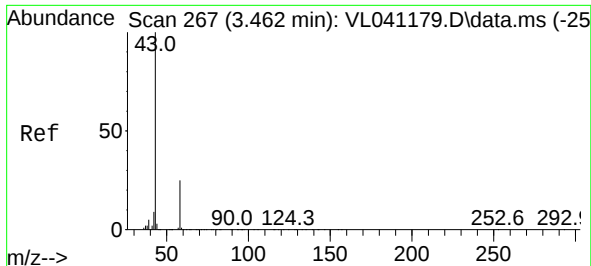
Tgt Ion: 45 Resp: 236756

Ion Ratio Lower Upper

45 100

46 41.1 14.8 59.0





#15

Acetone

Concen: 2.223 ppbv

RT: 3.497 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL041245.D

Acq: 8 May 2024 15:51

Instrument :

MSVOA_L

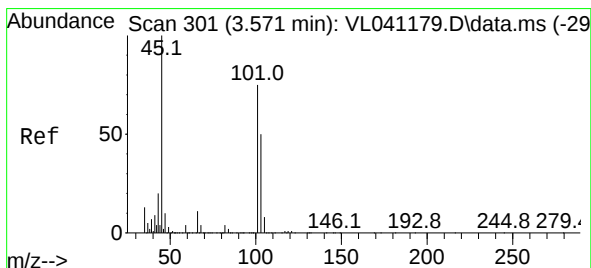
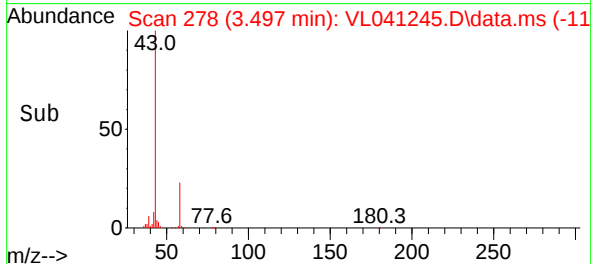
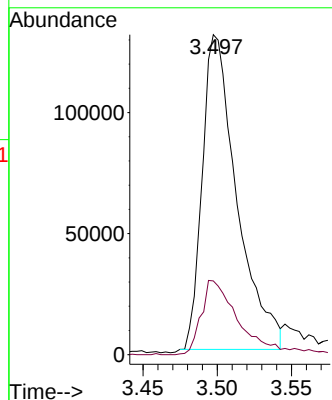
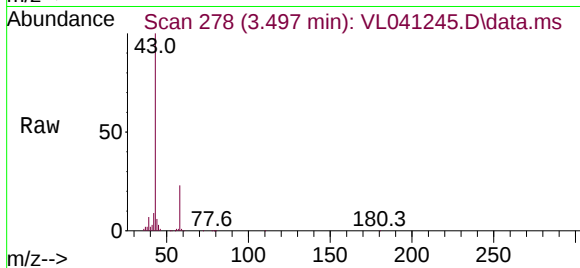
ClientSampleId :

Tgt Ion: 43 Resp: 210874

Ion Ratio Lower Upper

43 100

58 26.6 21.4 32.0



#19

Isopropyl Alcohol

Concen: 2.007 ppbv

RT: 3.603 min Scan# 311

Delta R.T. 0.013 min

Lab File: VL041245.D

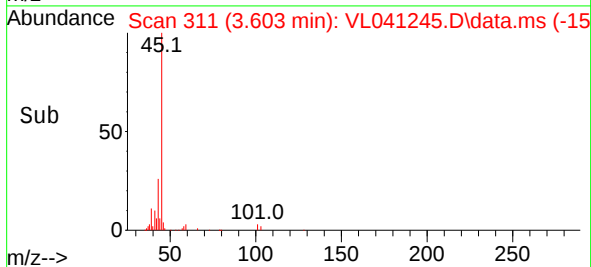
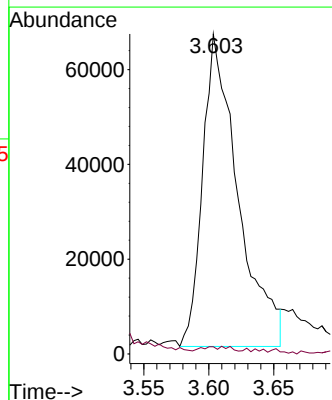
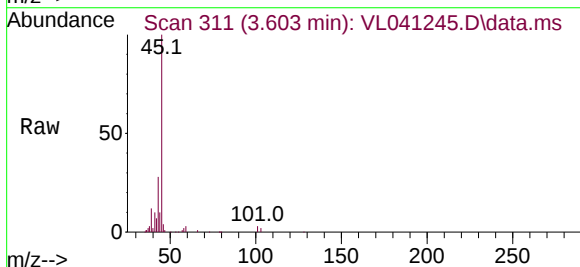
Acq: 8 May 2024 15:51

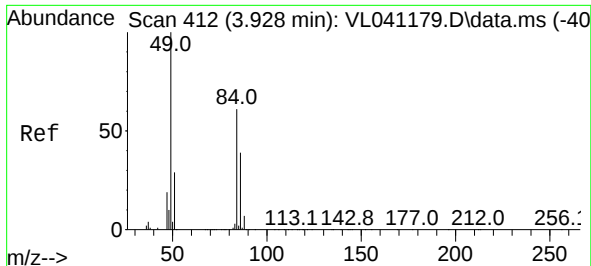
Tgt Ion: 45 Resp: 124910

Ion Ratio Lower Upper

45 100

58 2.2 26.8 40.2#





#20

Methylene Chloride

Concen: 9.329 ppbv

RT: 3.960 min Scan# 41

Delta R.T. 0.010 min

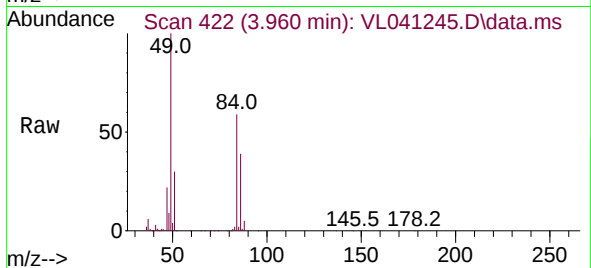
Lab File: VL041245.D

Acq: 8 May 2024 15:51

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 84 Resp: 307658

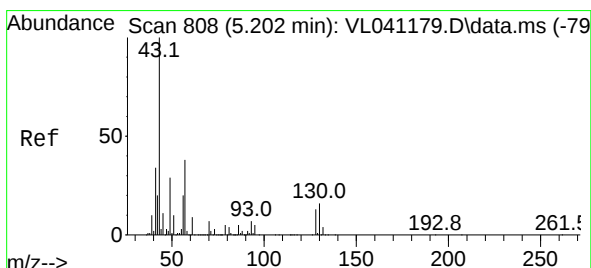
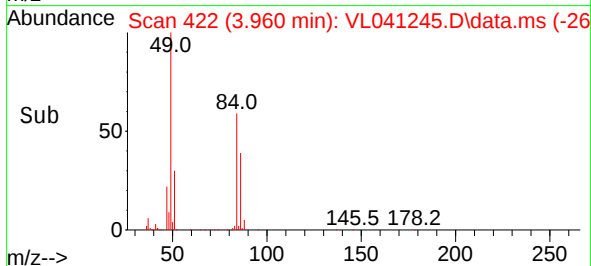
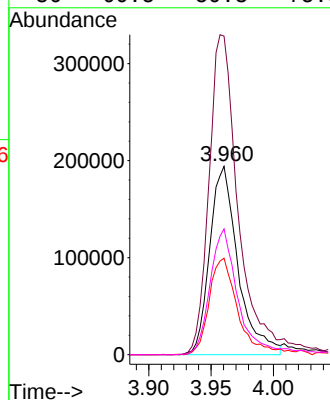
Ion Ratio Lower Upper

84 100

49 169.1 130.4 195.6

51 51.0 38.0 57.0

86 66.5 50.3 75.5



#25

Ethyl Acetate

Concen: 0.935 ppbv

RT: 5.240 min Scan# 820

Delta R.T. 0.019 min

Lab File: VL041245.D

Acq: 8 May 2024 15:51

Tgt Ion: 43 Resp: 176971

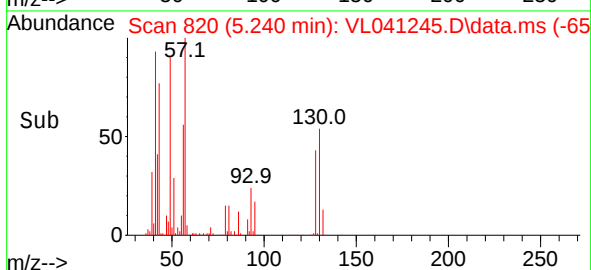
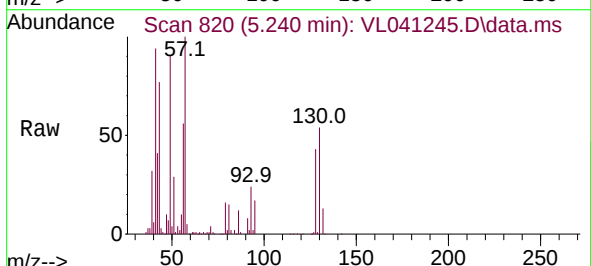
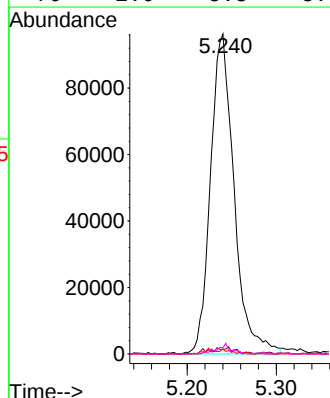
Ion Ratio Lower Upper

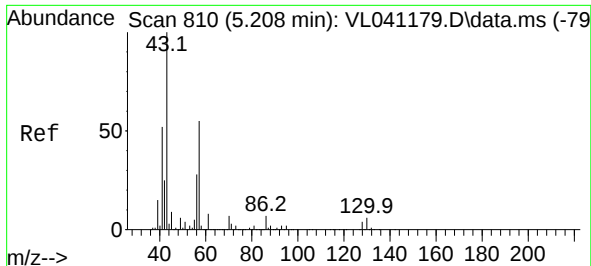
43 100

45 2.1 8.2 12.2#

61 1.4 7.7 11.5#

70 2.0 5.8 8.6#





#26

Hexane

Concen: 2.705 ppbv

RT: 5.237 min Scan# 81

Delta R.T. 0.006 min

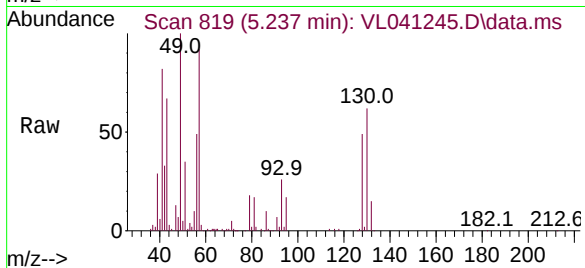
Lab File: VL041245.D

Acq: 8 May 2024 15:51

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 57 Resp: 228492

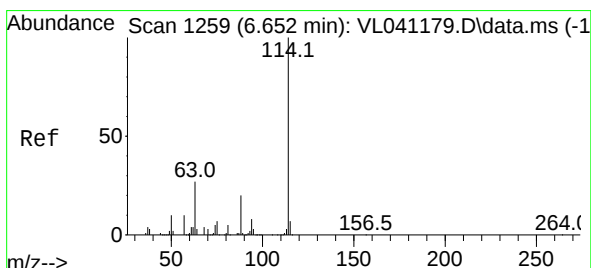
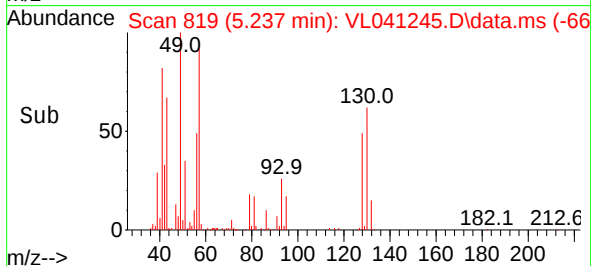
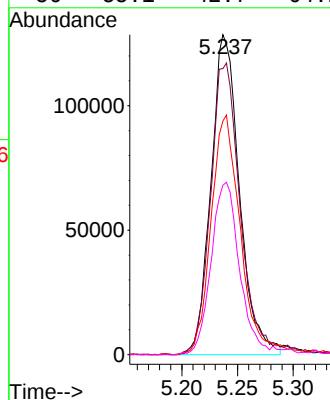
Ion Ratio Lower Upper

57 100

41 97.3 75.8 113.8

43 79.0 187.0 280.4#

56 55.1 42.7 64.1



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.680 min Scan# 1268

Delta R.T. 0.006 min

Lab File: VL041245.D

Acq: 8 May 2024 15:51

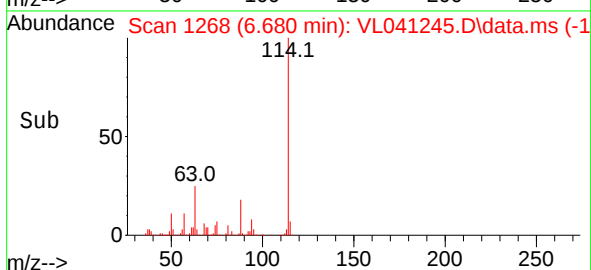
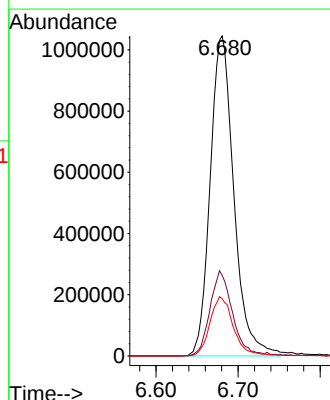
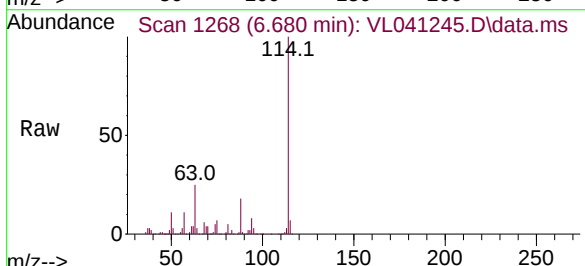
Tgt Ion:114 Resp: 2101899

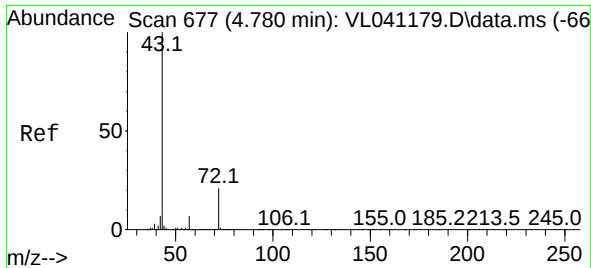
Ion Ratio Lower Upper

114 100

63 25.8 21.8 32.6

88 18.5 15.2 22.8

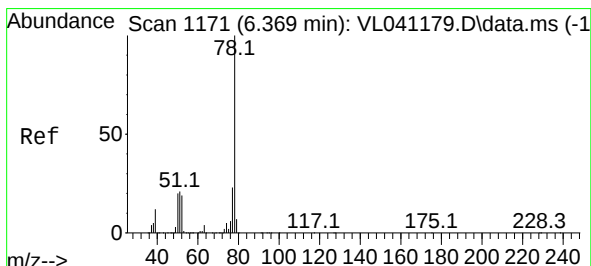
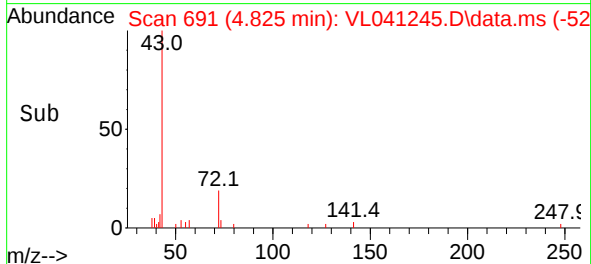
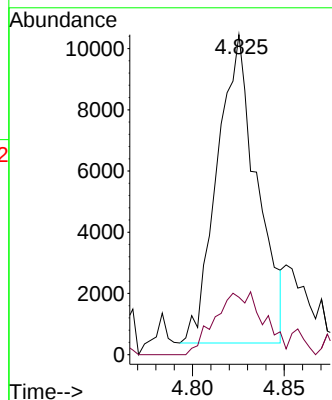
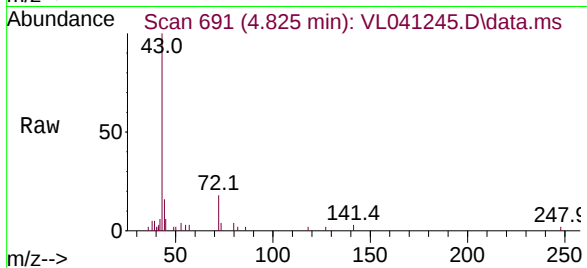




#34
2-Butanone
Concen: 0.142 ppbv
RT: 4.825 min Scan# 61
Delta R.T. 0.022 min
Lab File: VL041245.D
Acq: 8 May 2024 15:51

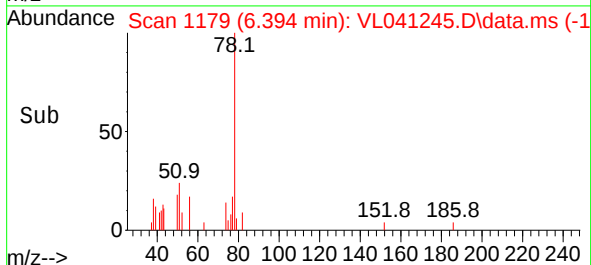
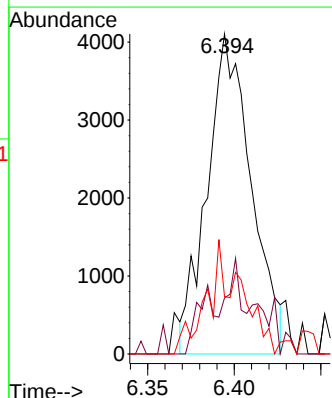
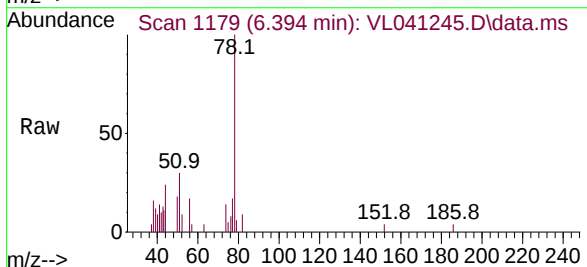
Instrument :
MSVOA_L
ClientSampleId :

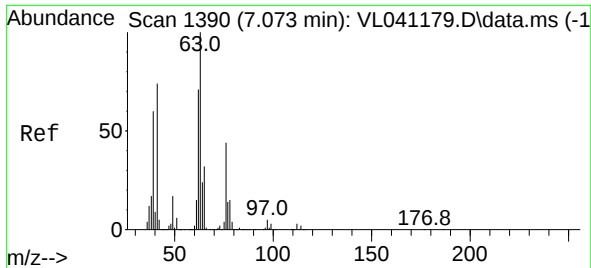
Tgt Ion: 43 Resp: 15214
Ion Ratio Lower Upper
43 100
72 29.2 17.3 25.9#



#36
Benzene
Concen: 0.041 ppbv
RT: 6.394 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VL041245.D
Acq: 8 May 2024 15:51

Tgt Ion: 78 Resp: 7269
Ion Ratio Lower Upper
78 100
77 19.4 18.3 27.5
50 15.8 15.9 23.9#





#39

1,2-Dichloropropane

Concen: 7.756 ppbv

RT: 6.677 min Scan# 11

Delta R.T. -0.415 min

Lab File: VL041245.D

Acq: 8 May 2024 15:51

Instrument :

MSVOA_L

ClientSampleId :

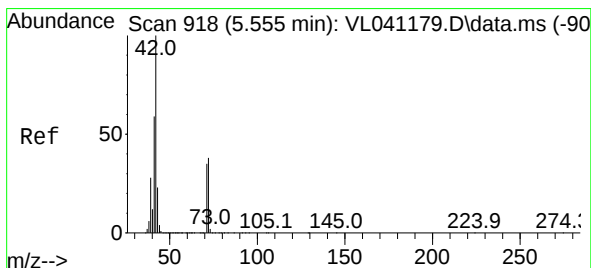
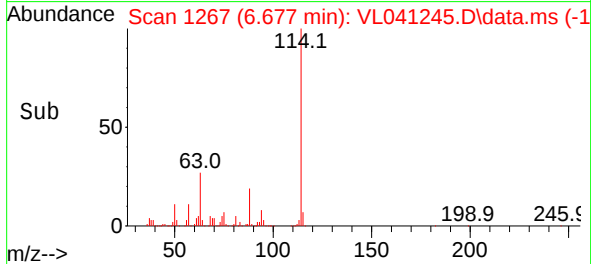
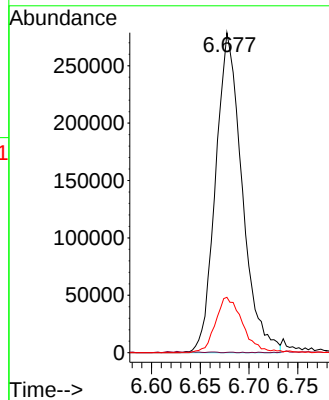
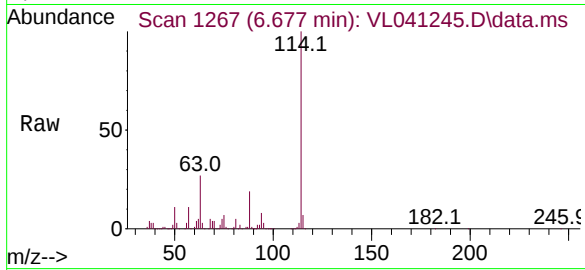
Tgt Ion: 63 Resp: 527248

Ion Ratio Lower Upper

63 100

41 0.0 59.4 89.0#

62 17.3 56.8 85.2#



#41

Tetrahydrofuran

Concen: 1.106 ppbv

RT: 5.240 min Scan# 820

Delta R.T. -0.338 min

Lab File: VL041245.D

Acq: 8 May 2024 15:51

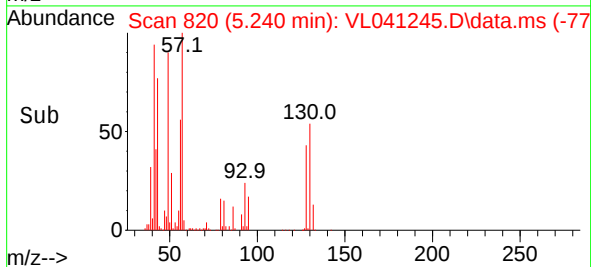
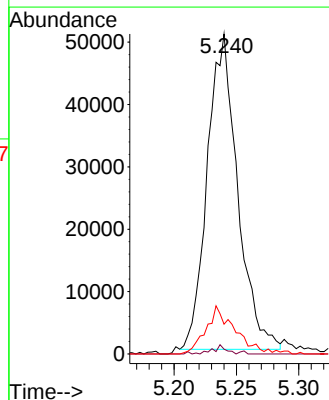
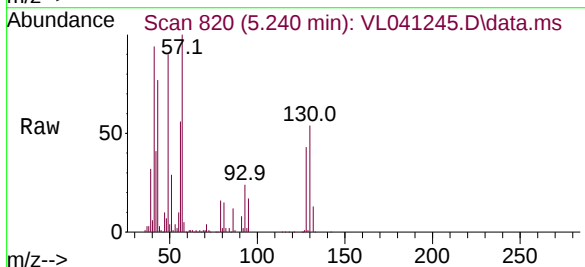
Tgt Ion: 42 Resp: 85626

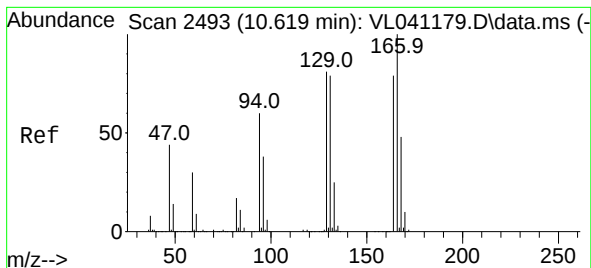
Ion Ratio Lower Upper

42 100

72 1.4 29.4 44.0#

71 14.9 29.1 43.7#





#52

Tetrachloroethene

Concen: 0.040 ppbv

RT: 10.639 min Scan# 2499

Delta R.T. 0.003 min

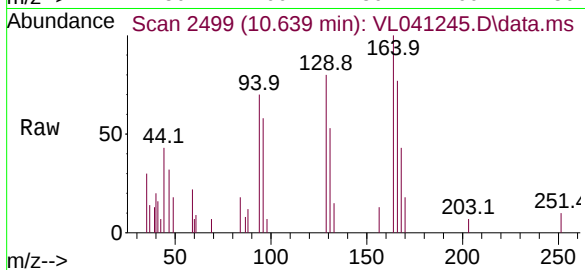
Lab File: VL041245.D

Acq: 8 May 2024 15:51

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:164 Resp: 2475

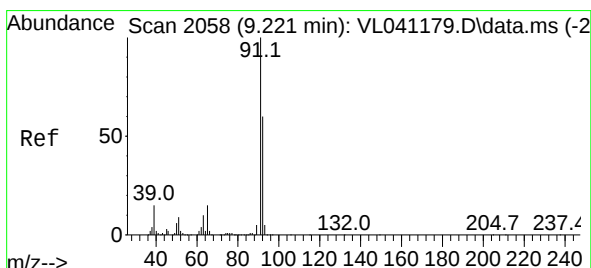
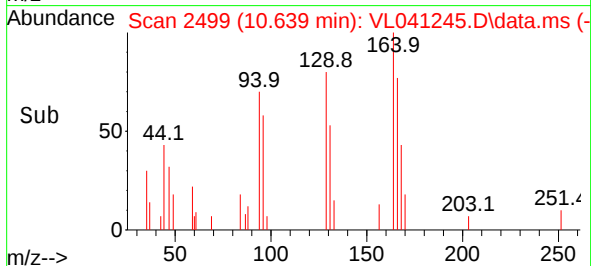
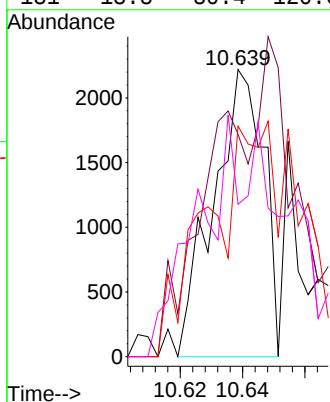
Ion Ratio Lower Upper

164 100

166 62.5 101.1 151.7#

129 68.3 81.7 122.5#

131 13.8 80.4 120.6#



#53

Toluene

Concen: 0.075 ppbv

RT: 9.246 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VL041245.D

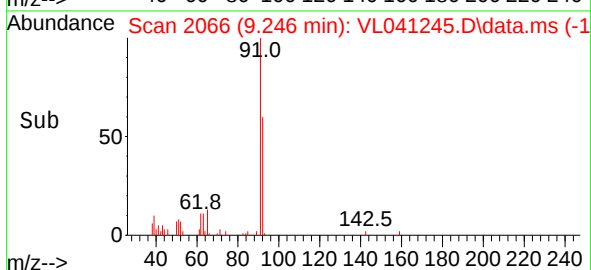
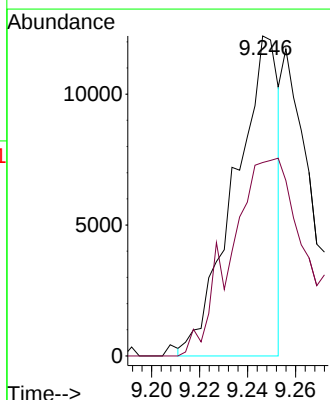
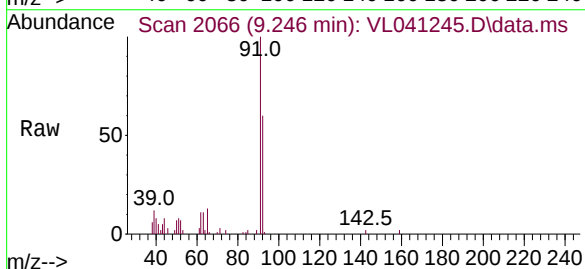
Acq: 8 May 2024 15:51

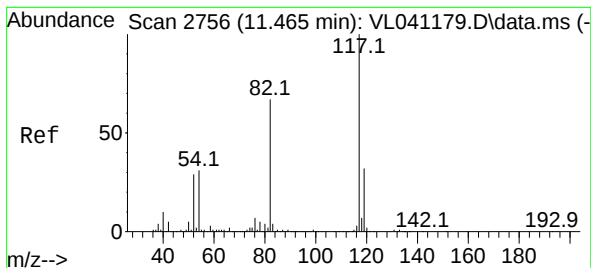
Tgt Ion: 91 Resp: 15436

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.4#

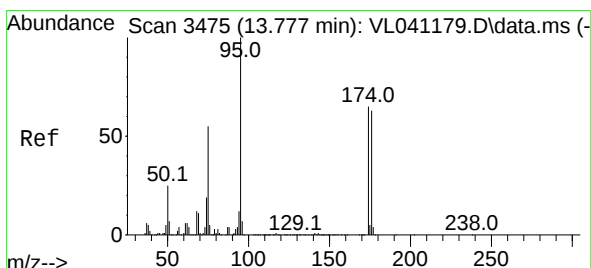
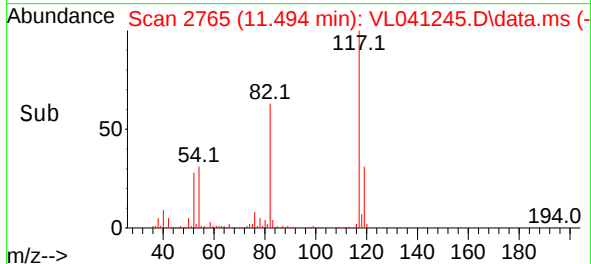
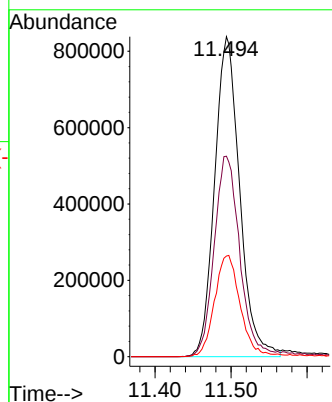
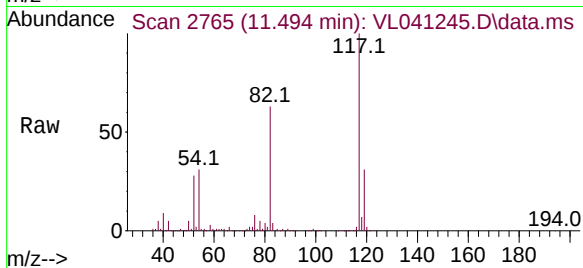




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041245.D
Acq: 8 May 2024 15:51

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 1917809
Ion Ratio Lower Upper
117 100
82 66.2 53.6 80.4
119 33.1 27.2 40.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.997 ppbv
RT: 13.806 min Scan# 3484
Delta R.T. 0.010 min
Lab File: VL041245.D
Acq: 8 May 2024 15:51

Tgt Ion: 95 Resp: 1447366
Ion Ratio Lower Upper
95 100
174 67.0 53.6 80.4
175 4.7 4.2 6.4

