

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015085.D
 Acq On : 14 Aug 2023 17:35
 Operator : SY/MD
 Sample : 03954-04
 Misc : 3.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16

Quant Time: Aug 15 02:22:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

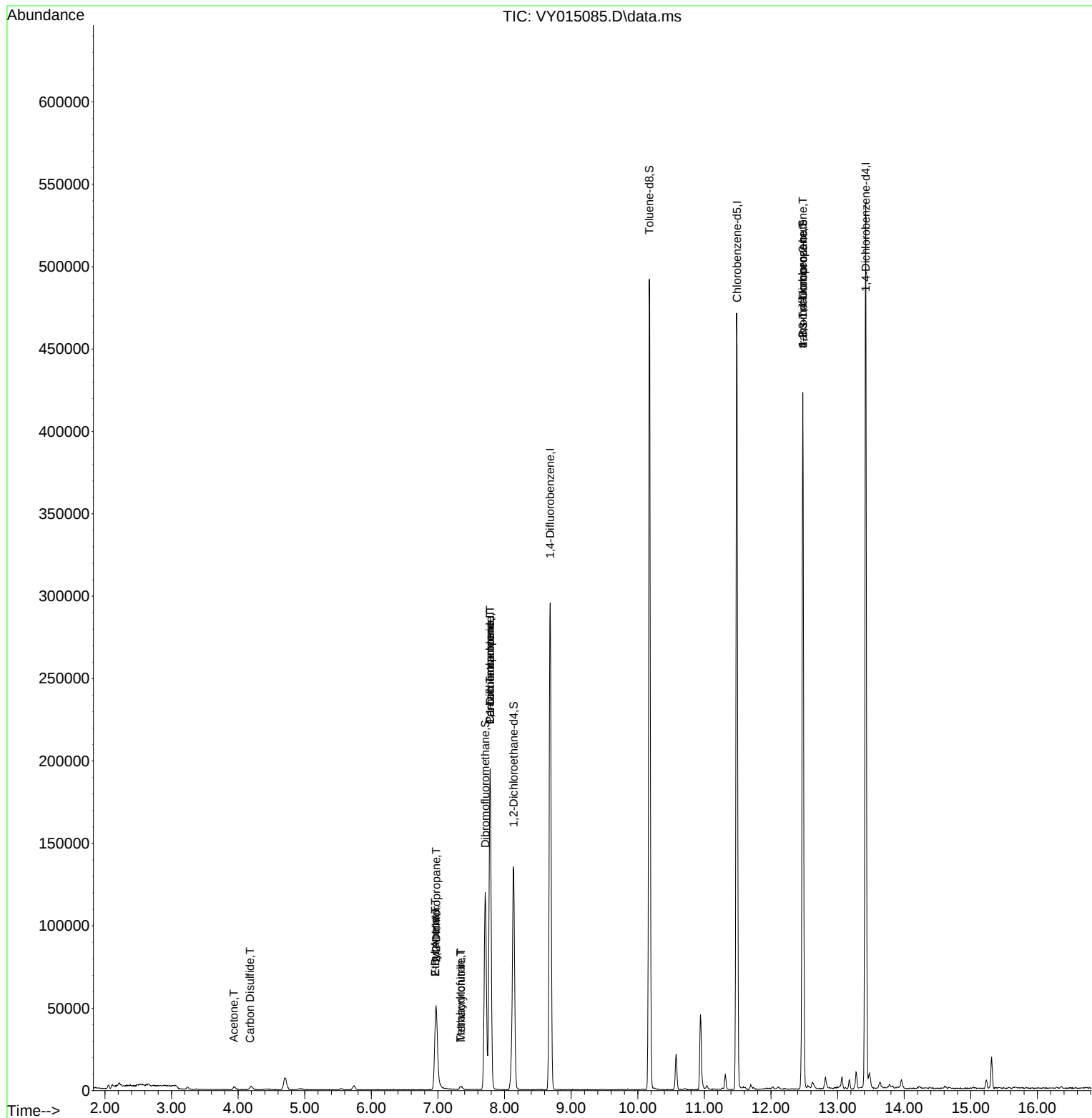
Internal Standards						
1) Pentafluorobenzene	7.783	168	151182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	263710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	259653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	101322	55.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.660%	
35) Dibromofluoromethane	7.710	113	83466	49.198	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.400%	
50) Toluene-d8	10.173	98	316166	50.062	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	12.477	95	121449	52.650	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.300%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	601	Below Cal	#	85
5) Bromomethane	2.650	94	441	Below Cal		87
11) Tert butyl alcohol	4.942	59	549	Below Cal	#	89
16) Acetone	3.936	43	3053	5.150	ug/l	91
17) Carbon Disulfide	4.180	76	2081	1.124	ug/l #	76
20) Methylene Chloride	4.698	84	5543	Below Cal	#	93
25) 2-Butanone	6.960	43	3136	3.736	ug/l #	72
26) 2,2-Dichloropropane	6.972	77	3613	1.487	ug/l #	54
29) Tetrahydrofuran	7.338	42	1665	3.317	ug/l #	79
31) Cyclohexane	7.783	56	3121	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	11828	6.302	ug/l #	50
37) Ethyl Acetate	6.960	43	3136	1.793	ug/l #	1
38) Carbon Tetrachloride	7.783	117	15488	6.972	ug/l #	16
41) Methacrylonitrile	7.344	41	956	1.060	ug/l #	44
76) 1,2,3-Trichloropropane	12.477	75	66317	41.100	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66317	90.275	ug/l #	11

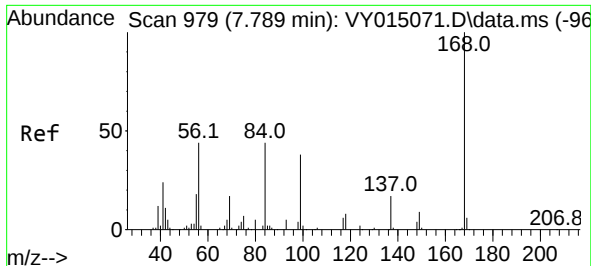
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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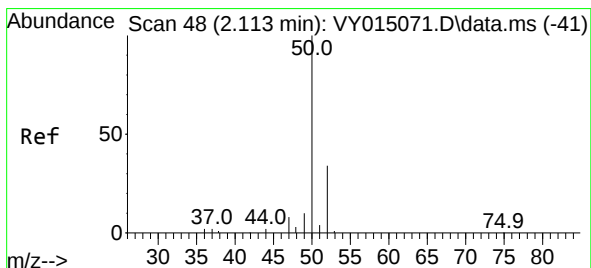
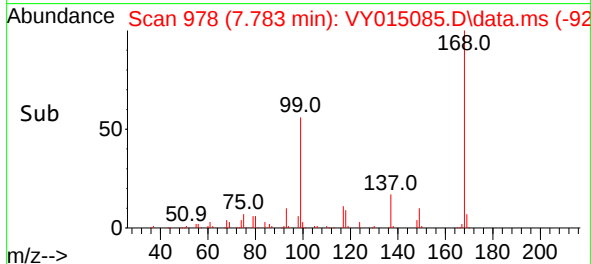
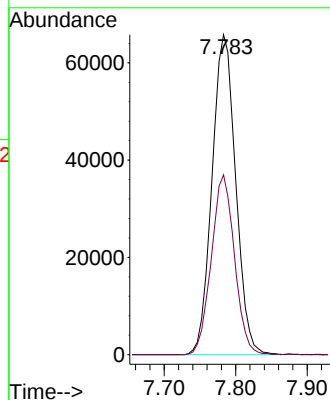
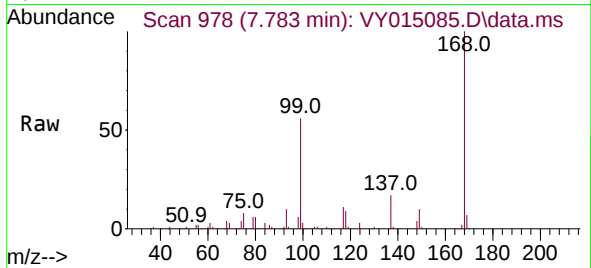




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015085.D
Acq: 14 Aug 2023 17:35

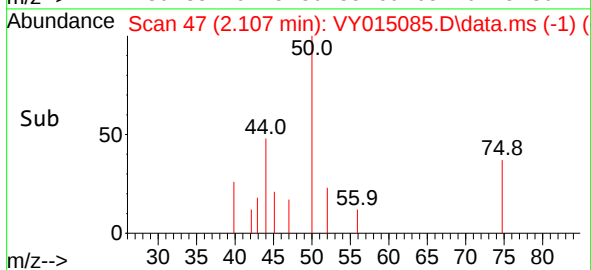
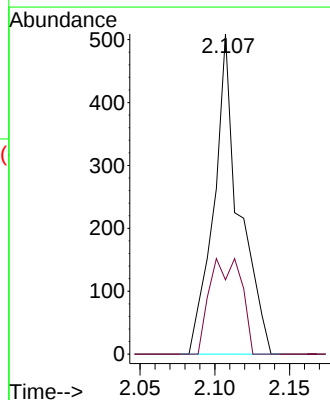
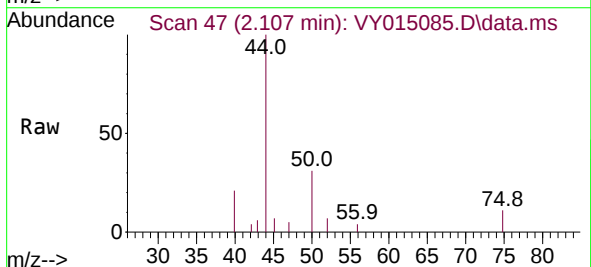
Instrument :
MSVOA_Y
ClientSampleId :
WC-16

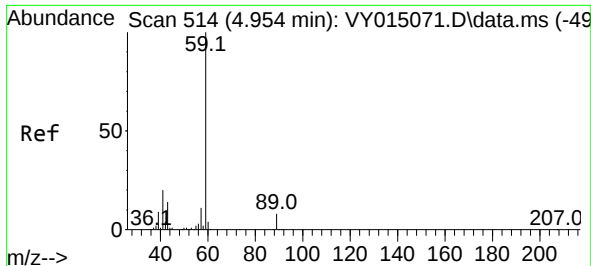
Tgt Ion:168 Resp: 151182
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015085.D
Acq: 14 Aug 2023 17:35

Tgt Ion: 50 Resp: 601
Ion Ratio Lower Upper
50 100
52 23.2 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 514

Delta R.T. -0.006 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

Instrument :

MSVOA_Y

ClientSampleId :

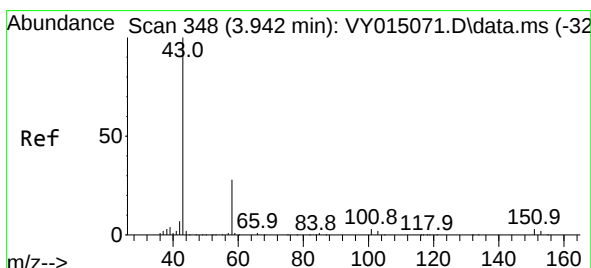
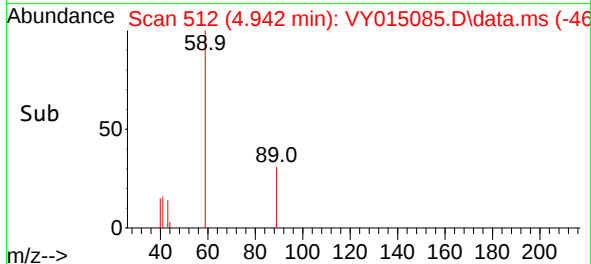
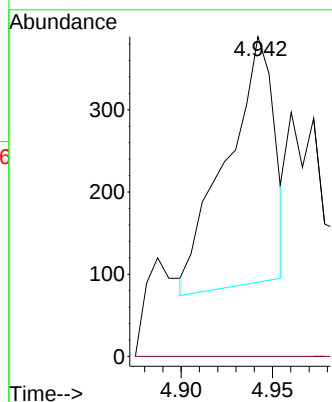
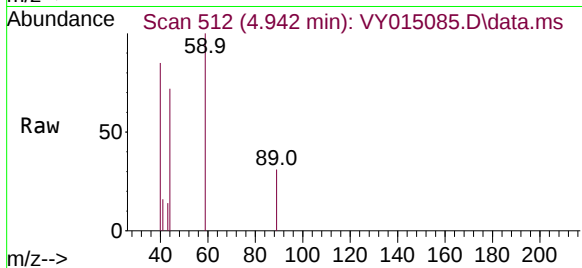
WC-16

Tgt Ion: 59 Resp: 549

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 5.150 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.006 min

Lab File: VY015085.D

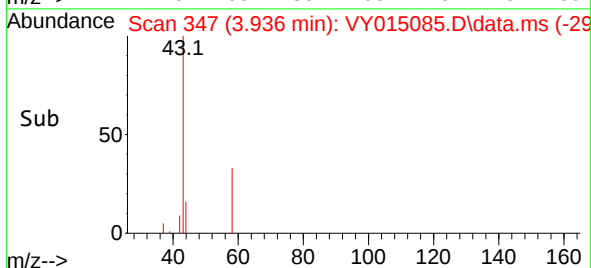
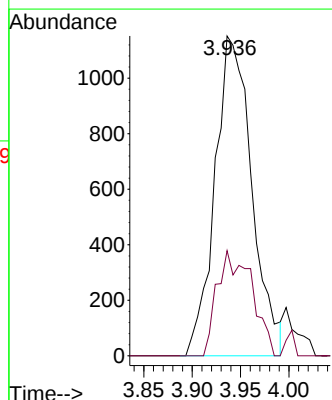
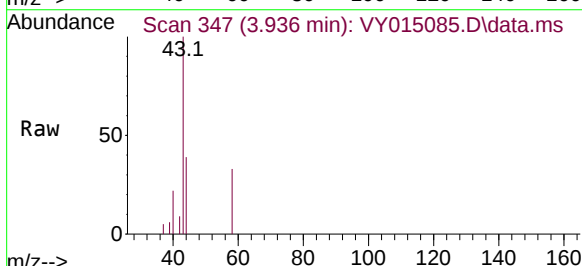
Acq: 14 Aug 2023 17:35

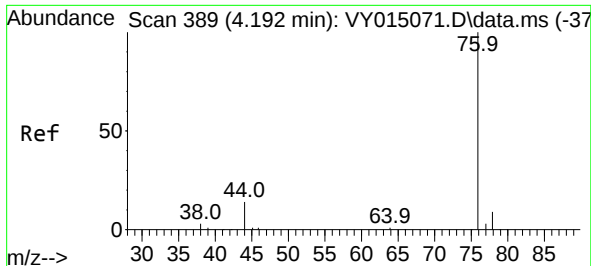
Tgt Ion: 43 Resp: 3053

Ion Ratio Lower Upper

43 100

58 32.9 22.7 34.1





#17

Carbon Disulfide

Concen: 1.124 ug/l

RT: 4.180 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

Instrument :

MSVOA_Y

ClientSampleId :

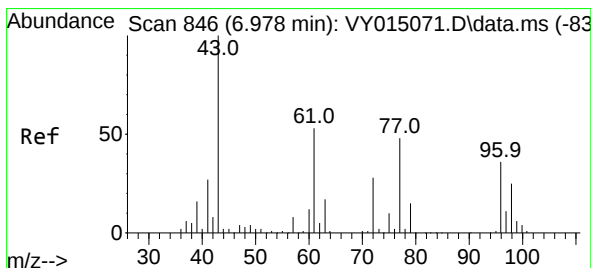
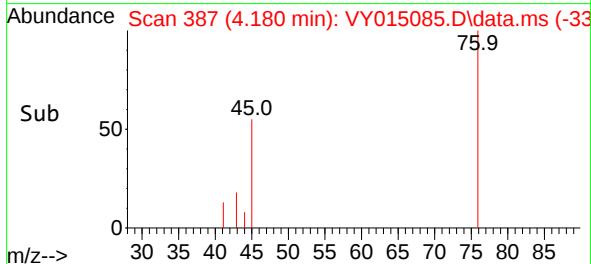
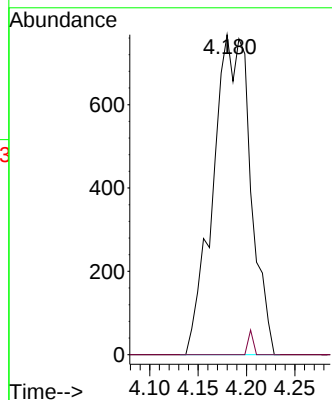
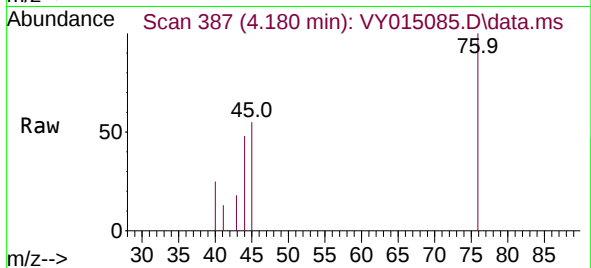
WC-16

Tgt Ion: 76 Resp: 2081

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



#25

2-Butanone

Concen: 3.736 ug/l

RT: 6.960 min Scan# 843

Delta R.T. -0.018 min

Lab File: VY015085.D

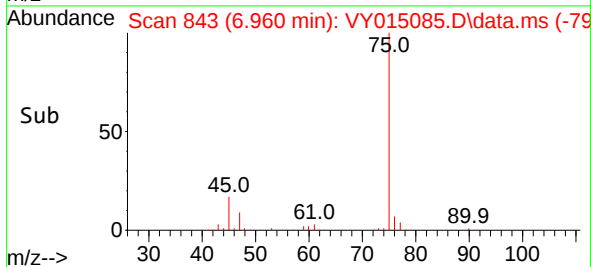
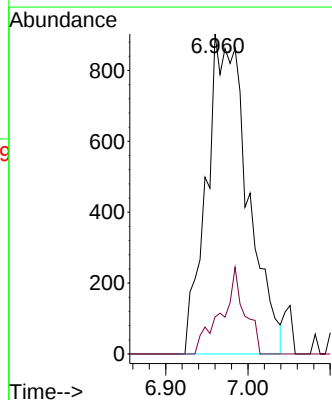
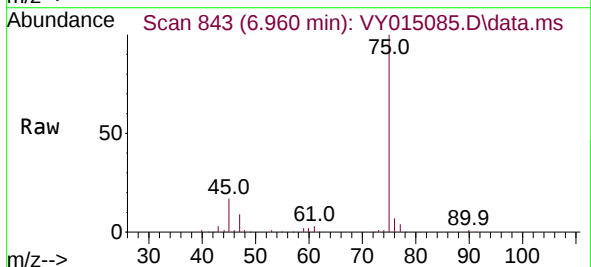
Acq: 14 Aug 2023 17:35

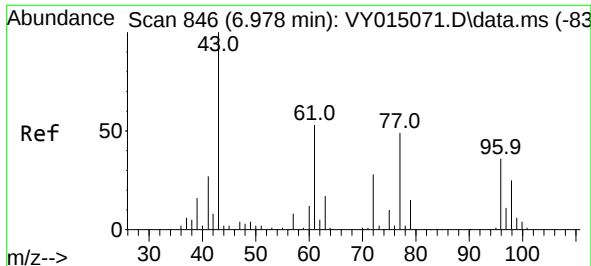
Tgt Ion: 43 Resp: 3136

Ion Ratio Lower Upper

43 100

72 11.6 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.487 ug/l

RT: 6.972 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

Instrument :

MSVOA_Y

ClientSampleId :

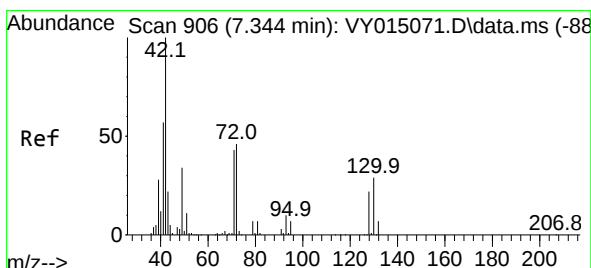
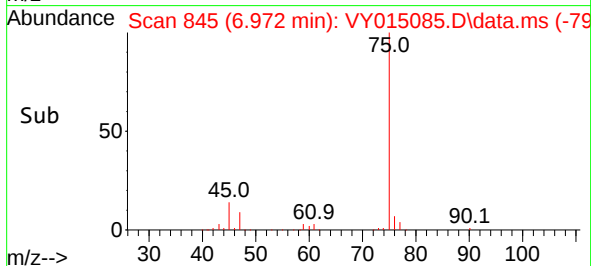
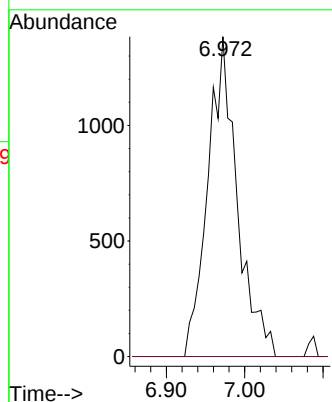
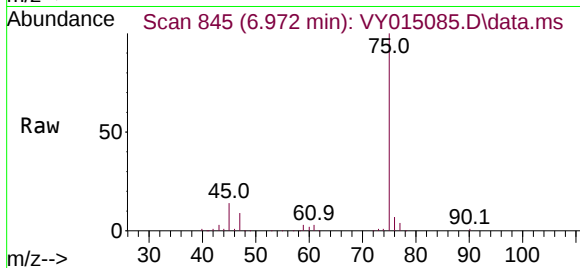
WC-16

Tgt Ion: 77 Resp: 3613

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 3.317 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

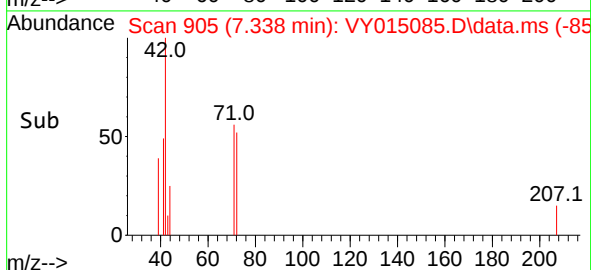
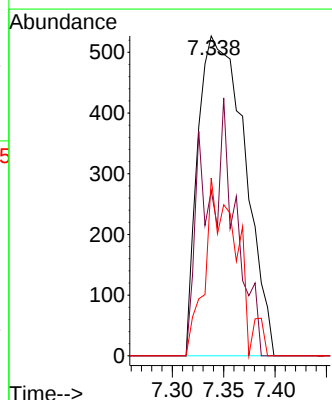
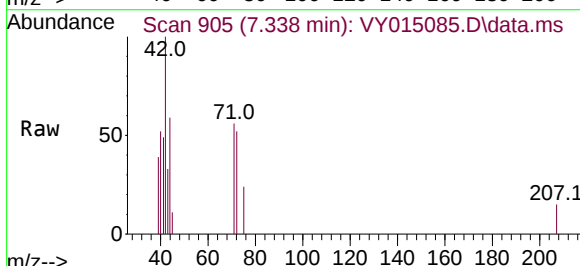
Tgt Ion: 42 Resp: 1665

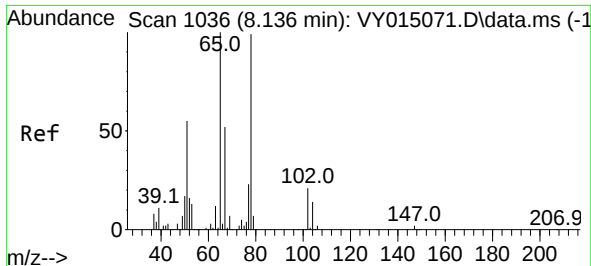
Ion Ratio Lower Upper

42 100

72 15.8 32.8 49.2#

71 38.0 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 55.831 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

Instrument :

MSVOA_Y

ClientSampleId :

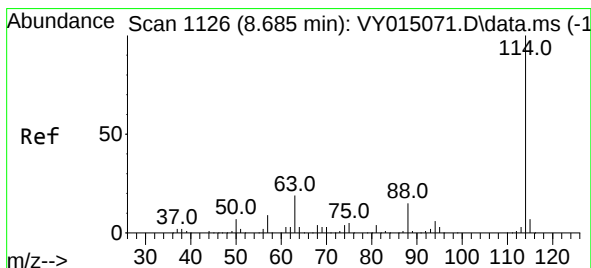
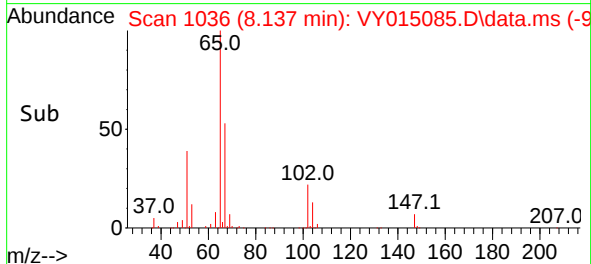
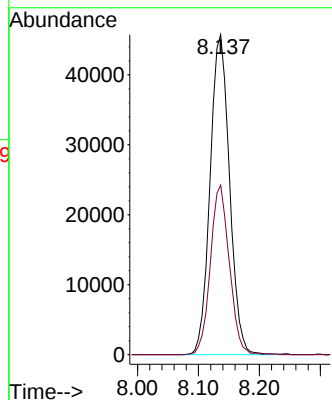
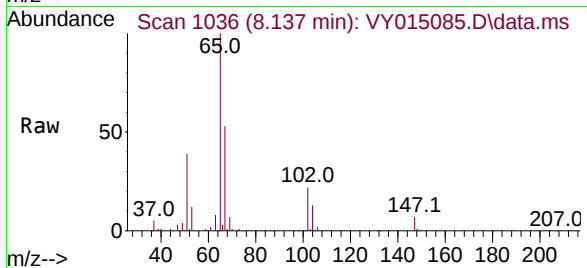
WC-16

Tgt Ion: 65 Resp: 101322

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

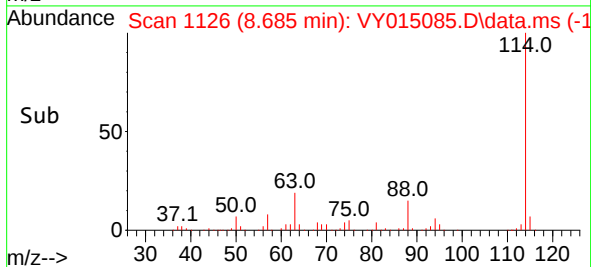
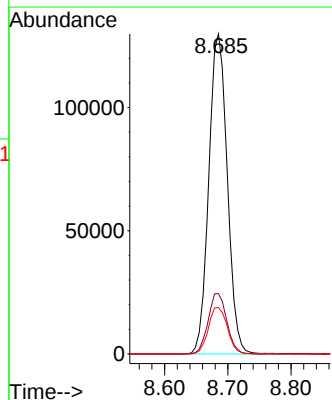
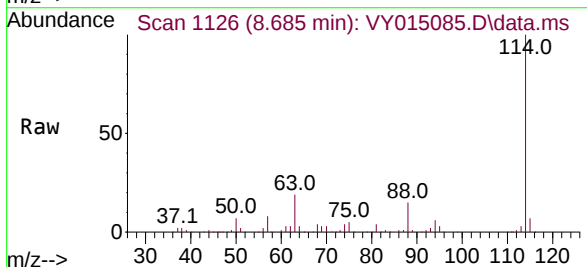
Tgt Ion: 114 Resp: 263710

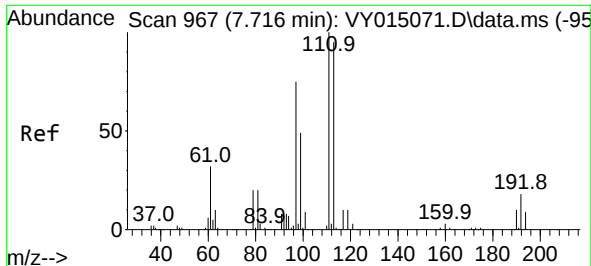
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.5 0.0 30.6

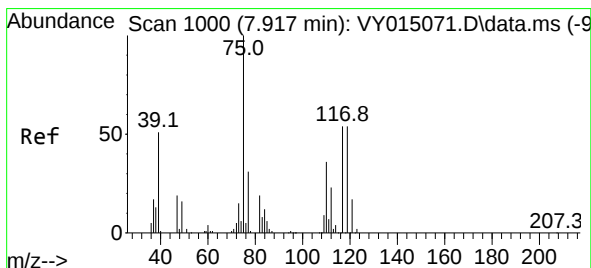
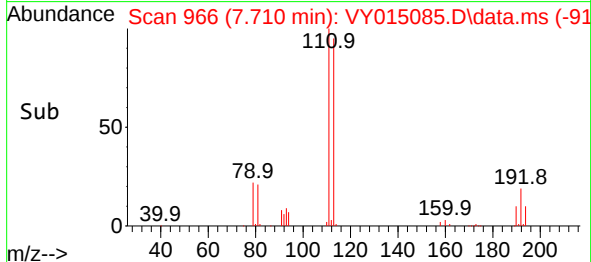
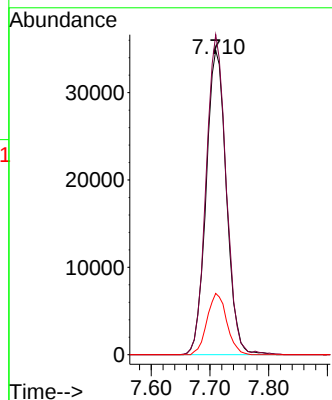
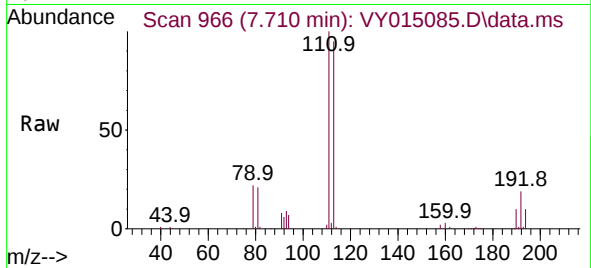




#35
Dibromofluoromethane
Concen: 49.198 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015085.D
Acq: 14 Aug 2023 17:35

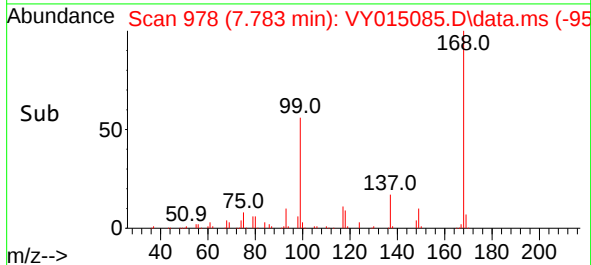
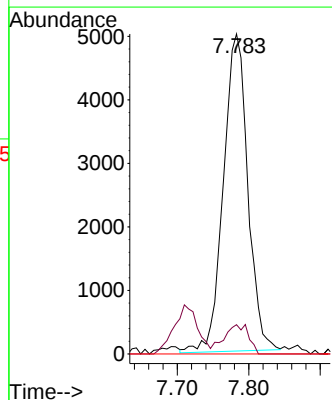
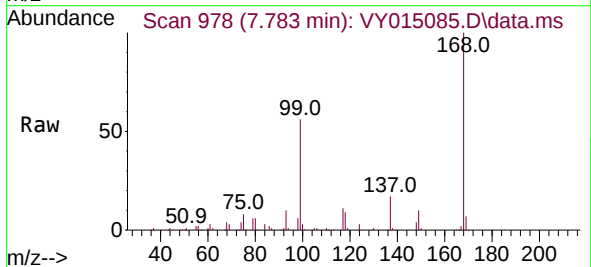
Instrument :
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ClientSampleId :
WC-16

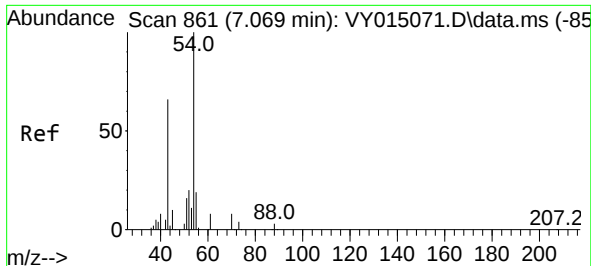
Tgt Ion:113 Resp: 83466
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.302 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015085.D
Acq: 14 Aug 2023 17:35

Tgt Ion: 75 Resp: 11828
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.793 ug/l

RT: 6.960 min Scan# 84

Delta R.T. -0.110 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

Instrument :

MSVOA_Y

ClientSampleId :

WC-16

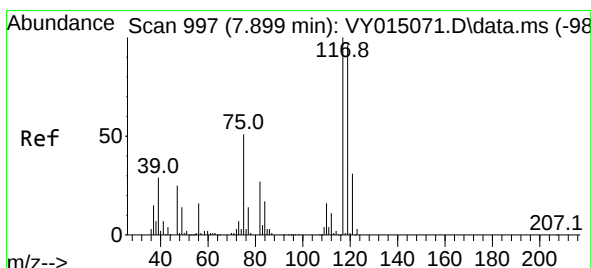
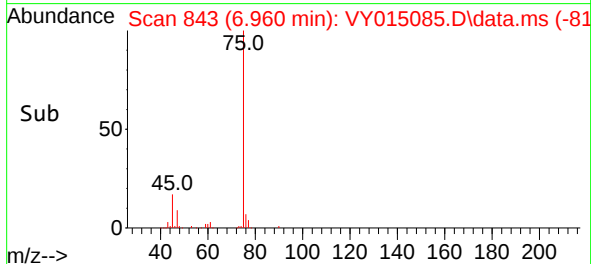
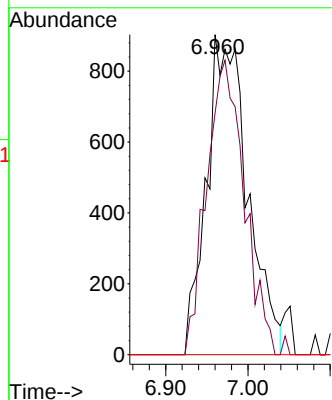
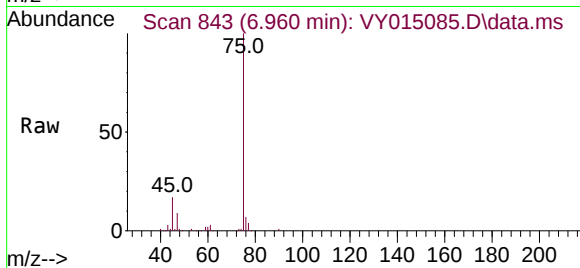
Tgt Ion: 43 Resp: 3136

Ion Ratio Lower Upper

43 100

61 84.1 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.972 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

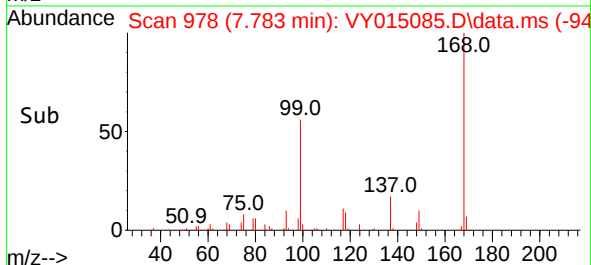
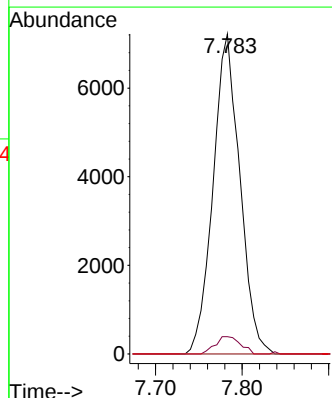
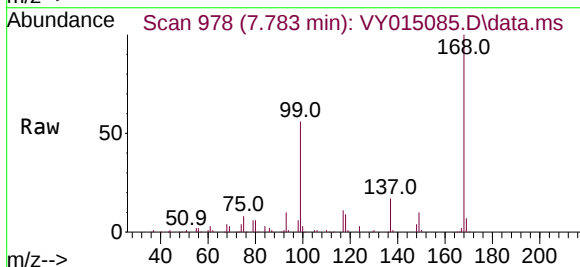
Tgt Ion: 117 Resp: 15488

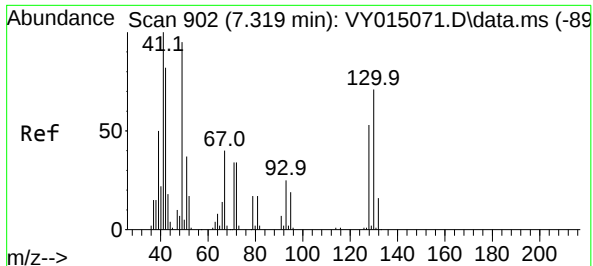
Ion Ratio Lower Upper

117 100

119 5.4 76.4 114.6#

121 0.0 25.8 38.6#

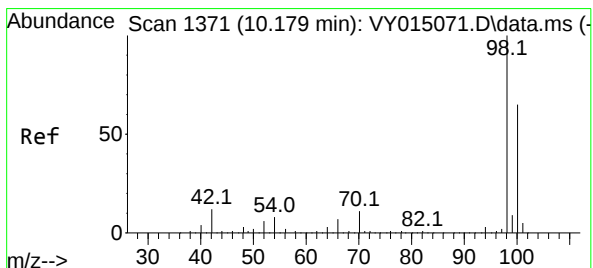
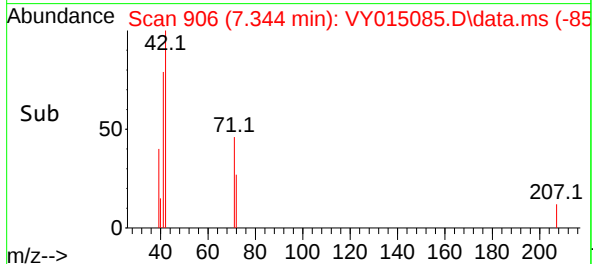
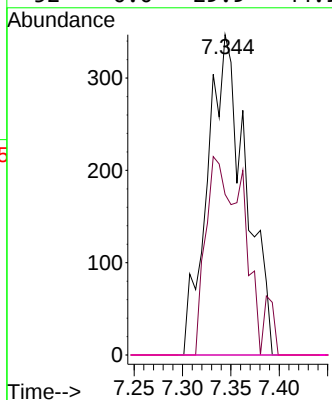
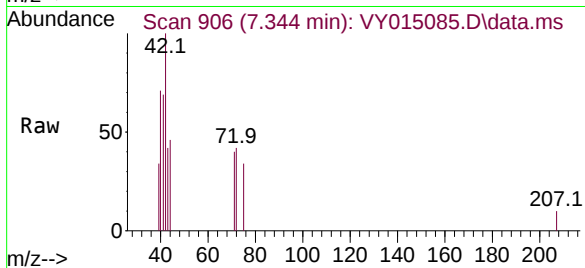




#41
Methacrylonitrile
Concen: 1.060 ug/l
RT: 7.344 min Scan# 90
Delta R.T. 0.037 min
Lab File: VY015085.D
Acq: 14 Aug 2023 17:35

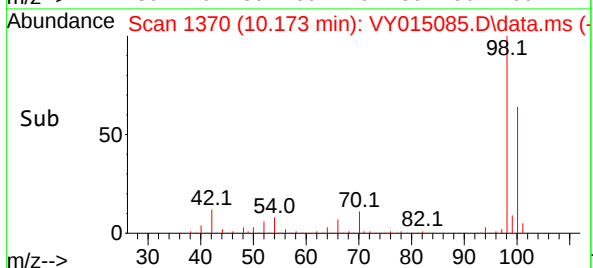
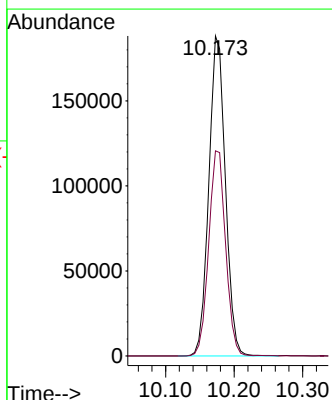
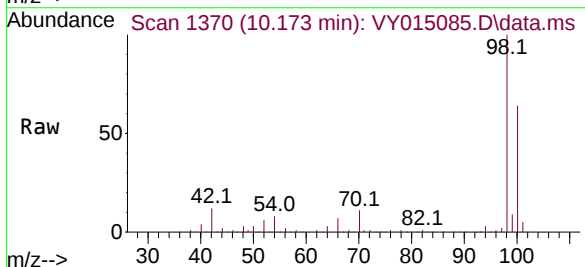
Instrument :
MSVOA_Y
ClientSampleId :
WC-16

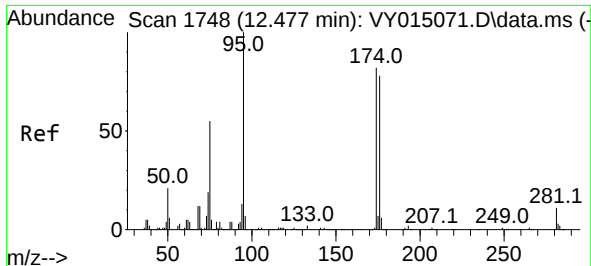
Tgt Ion: 41	Resp:	956
Ion	Ratio	Lower Upper
41	100	
39	59.2	52.1 78.1
67	0.0	66.2 99.2#
52	0.0	29.9 44.9#



#50
Toluene-d8
Concen: 50.062 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015085.D
Acq: 14 Aug 2023 17:35

Tgt Ion: 98	Resp:	316166
Ion	Ratio	Lower Upper
98	100	
100	65.3	50.1 75.1

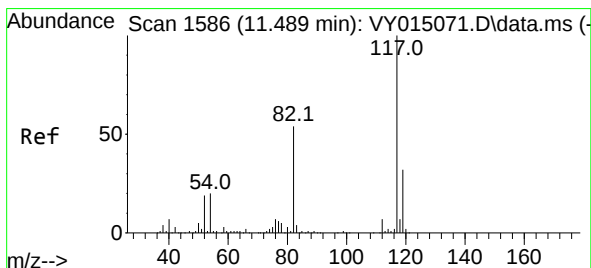
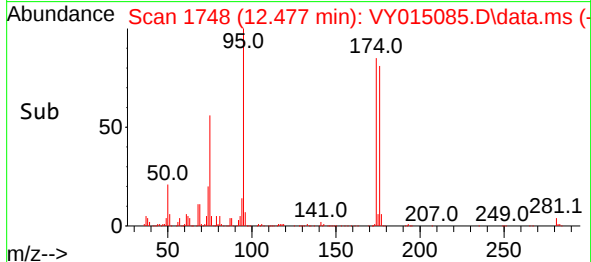
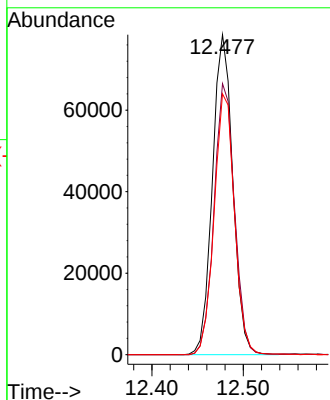
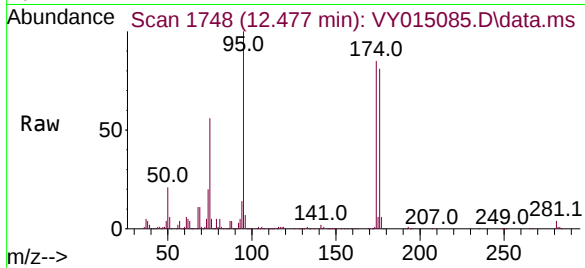




#62
4-Bromofluorobenzene
Concen: 52.650 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015085.D
Acq: 14 Aug 2023 17:35

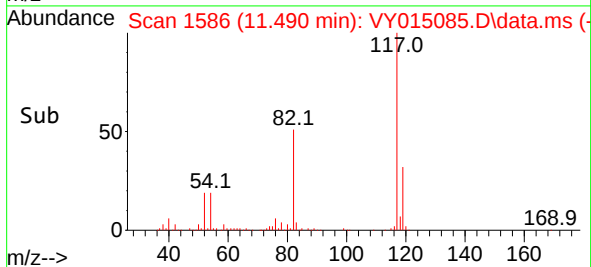
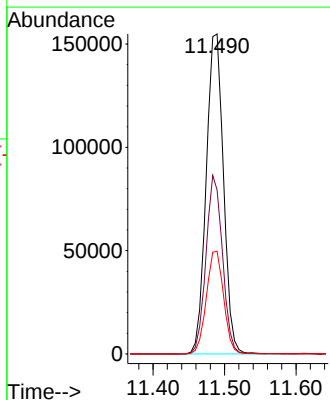
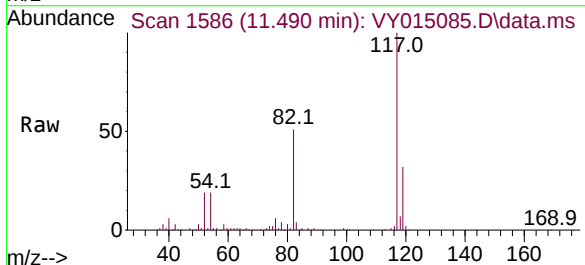
Instrument :
MSVOA_Y
ClientSampleId :
WC-16

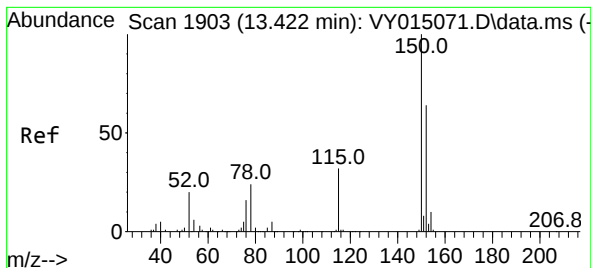
Tgt Ion: 95 Resp: 121449
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 81.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015085.D
Acq: 14 Aug 2023 17:35

Tgt Ion: 117 Resp: 259653
Ion Ratio Lower Upper
117 100
82 51.3 43.4 65.0
119 32.1 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015085.D

Acq: 14 Aug 2023 17:35

Instrument :

MSVOA_Y

ClientSampleId :

WC-16

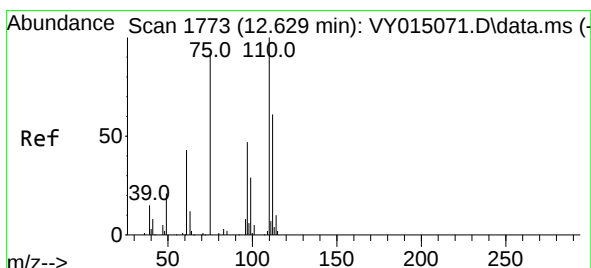
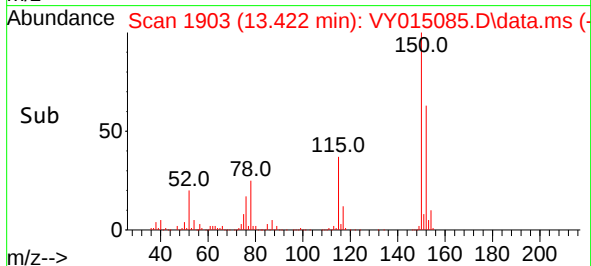
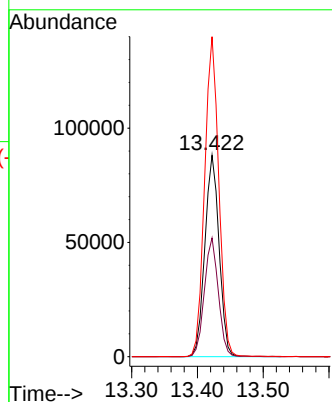
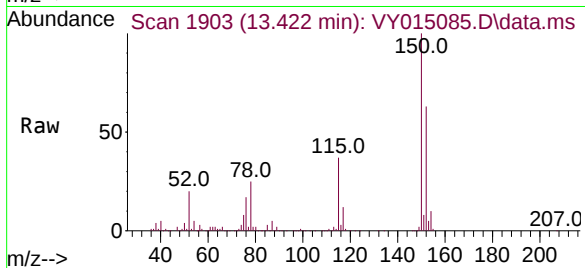
Tgt Ion:152 Resp: 132812

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 158.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.100 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015085.D

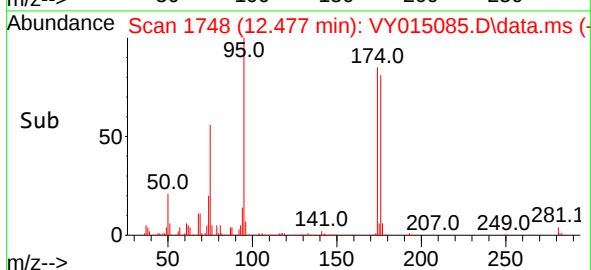
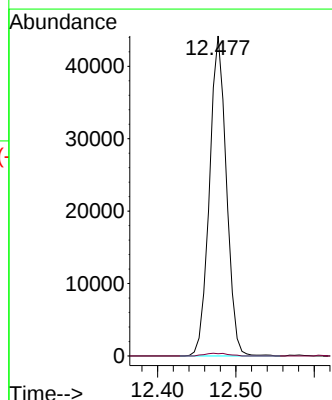
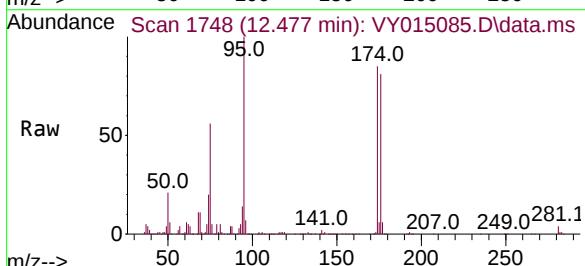
Acq: 14 Aug 2023 17:35

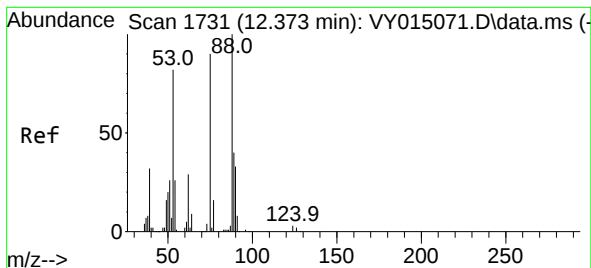
Tgt Ion: 75 Resp: 66317

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.275 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015085.D
 Acq: 14 Aug 2023 17:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-16

Tgt Ion: 75 Resp: 66317
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.1 37.4 56.0#

