

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015325.D
 Acq On : 24 Aug 2023 20:25
 Operator : SY/MD
 Sample : 04147-03
 Misc : 3.42g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 03:26:43 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)

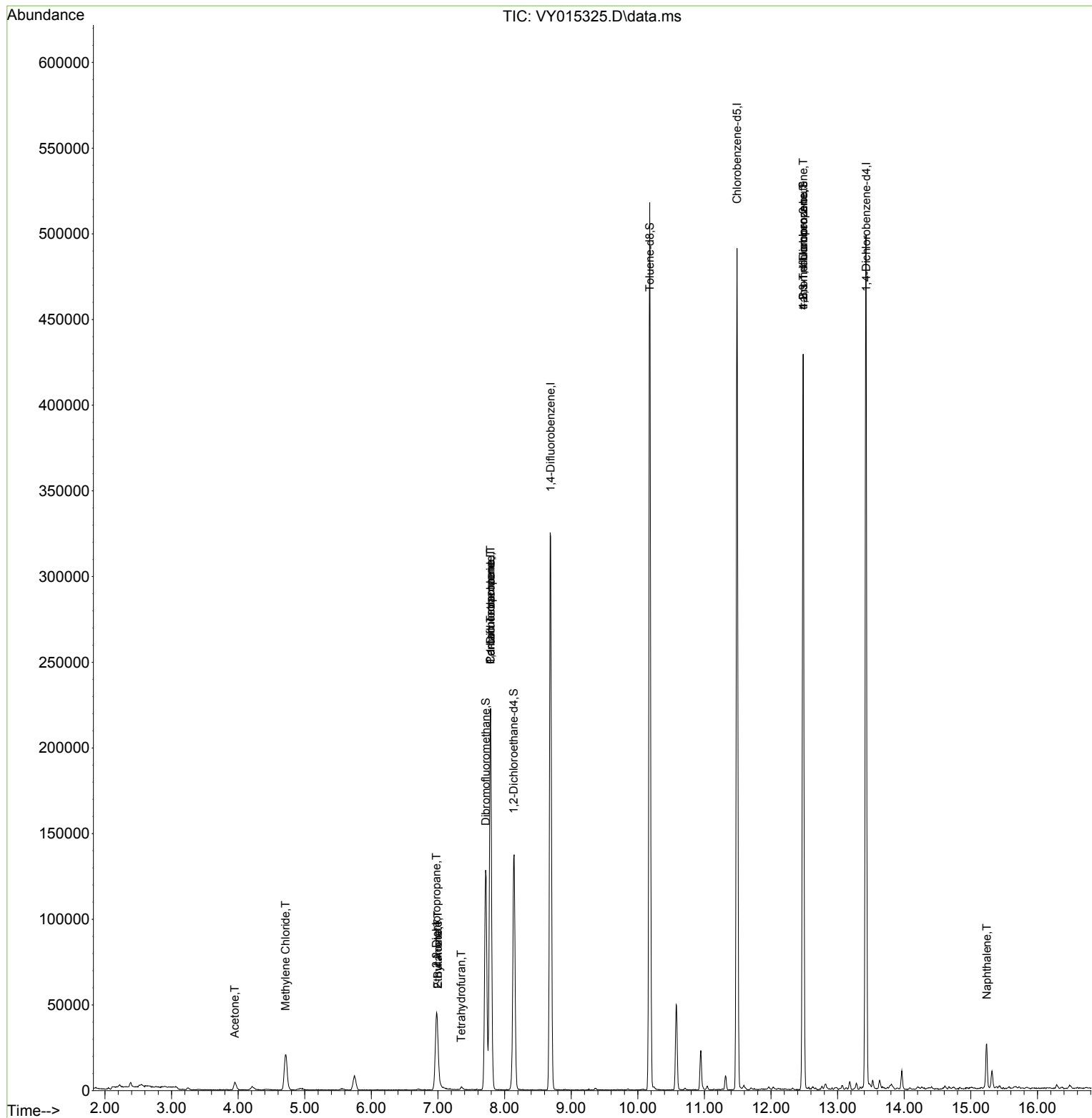
Internal Standards						
1) Pentafluorobenzene	7.789	168	173902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	286374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	262556	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108877	52.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.320%	
35) Dibromofluoromethane	7.716	113	90830	49.301	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.600%	
50) Toluene-d8	10.179	98	332612	48.498	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.000%	
62) 4-Bromofluorobenzene	12.483	95	119805	47.827	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	283	Below Cal	#	87
5) Bromomethane	2.650	94	278	Below Cal	#	71
11) Tert butyl alcohol	4.966	59	1843	Below Cal	#	96
13) Acrolein	3.735	56	67	Below Cal	#	14
16) Acetone	3.948	43	8214	12.045	ug/l	92
20) Methylene Chloride	4.710	84	16555	6.353	ug/l	89
25) 2-Butanone	6.996	43	7603	7.874	ug/l #	86
26) 2,2-Dichloropropane	6.978	77	3387	1.212	ug/l #	54
29) Tetrahydrofuran	7.350	42	1030	1.784	ug/l #	91
31) Cyclohexane	7.795	56	3517	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13200	6.476	ug/l #	51
37) Ethyl Acetate	6.996	43	7603	4.002	ug/l #	65
38) Carbon Trachloride	7.789	117	16844	6.983	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	64793	40.595	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64793	89.166	ug/l #	11
95) Naphthalene	15.239	128	22071	3.617	ug/l	100

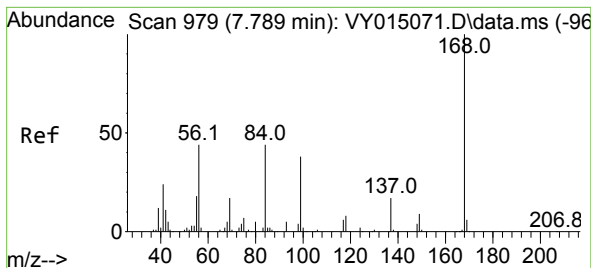
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

Instrument :

MSVOA_Y

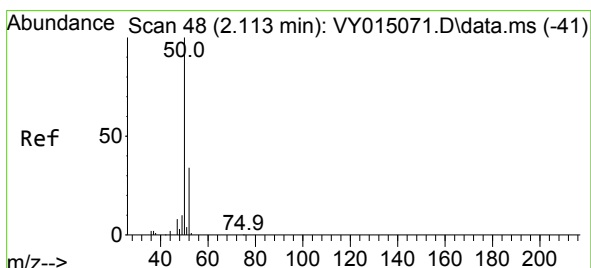
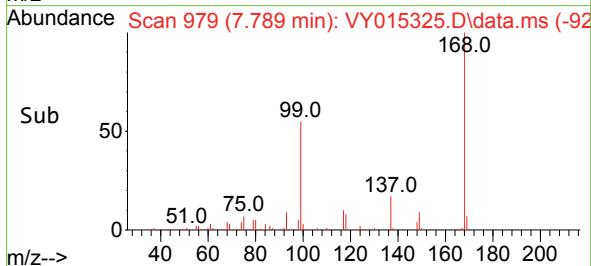
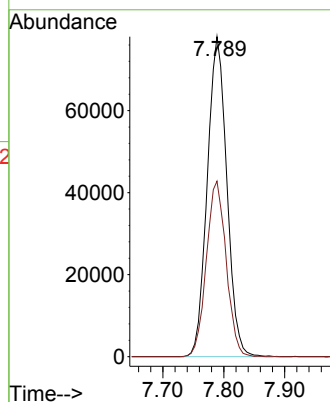
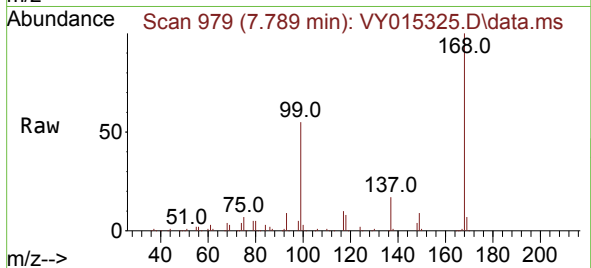
ClientSampleId :

Tgt Ion:168 Resp: 173902

Ion Ratio Lower Upper

168 100

99 54.9 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. 0.000 min

Lab File: VY015325.D

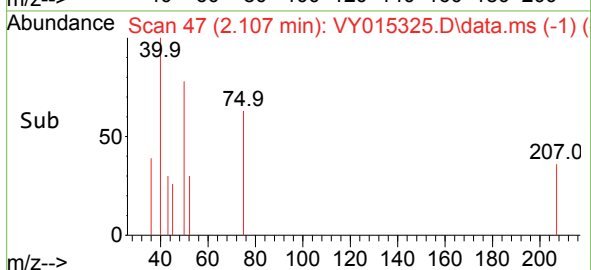
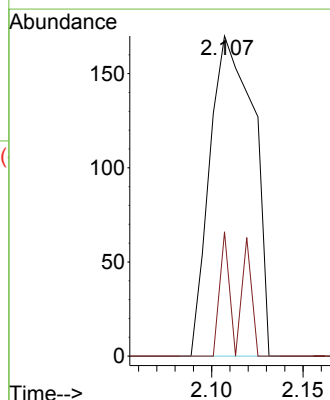
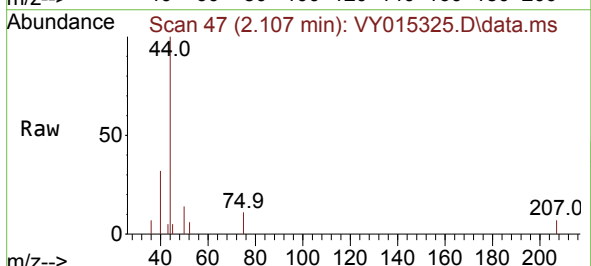
Acq: 24 Aug 2023 20:25

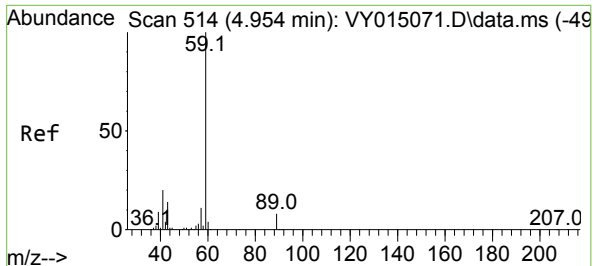
Tgt Ion: 50 Resp: 283

Ion Ratio Lower Upper

50 100

52 38.8 25.4 38.2#

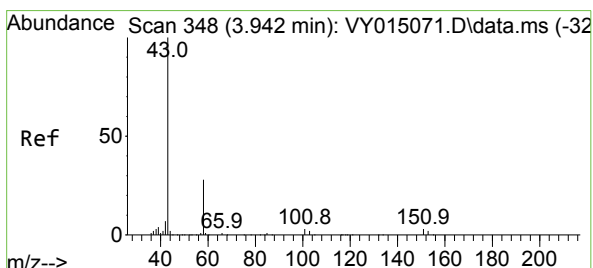
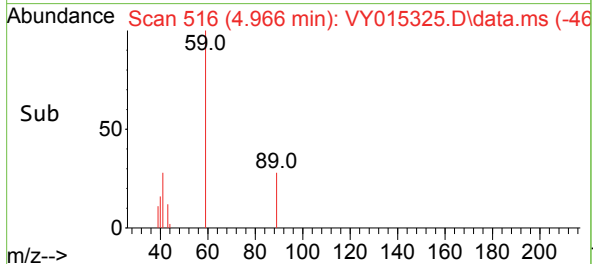
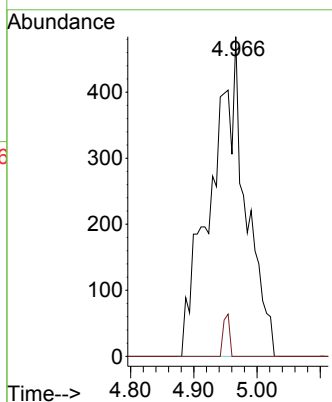
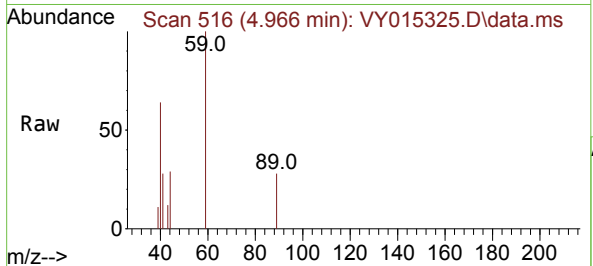




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

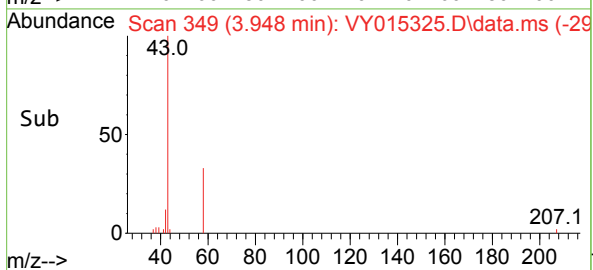
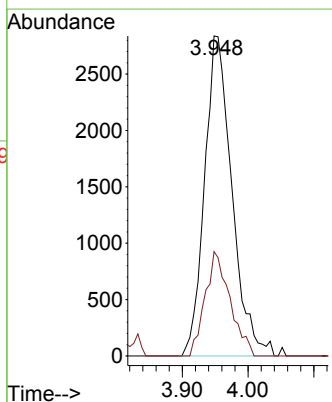
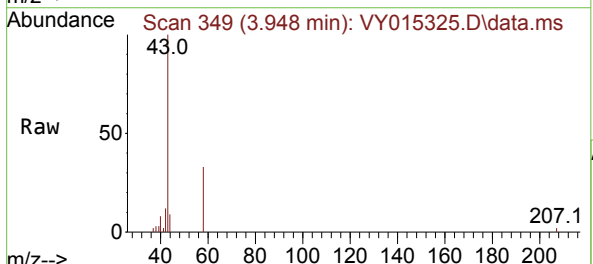
Instrument :
MSVOA_Y
ClientSampleId :

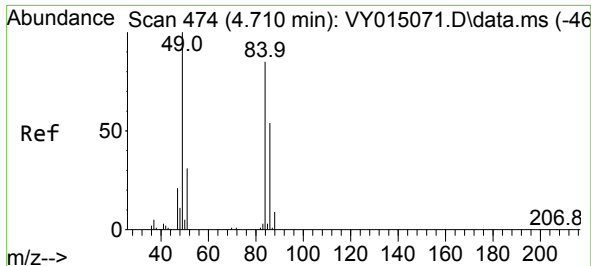
Tgt Ion: 59 Resp: 1843
Ion Ratio Lower Upper
59 100
57 2.4 3.0 4.4#



#16
Acetone
Concen: 12.045 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

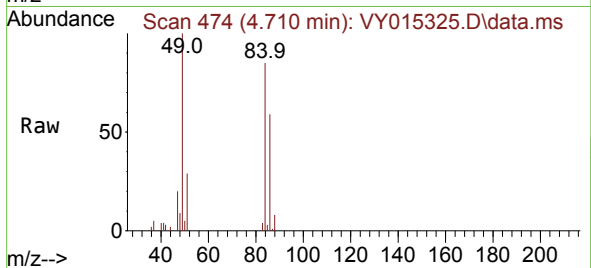
Tgt Ion: 43 Resp: 8214
Ion Ratio Lower Upper
43 100
58 32.6 22.7 34.1



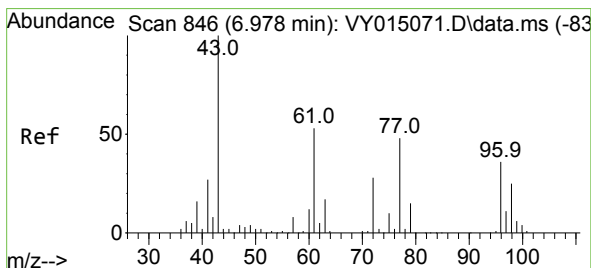
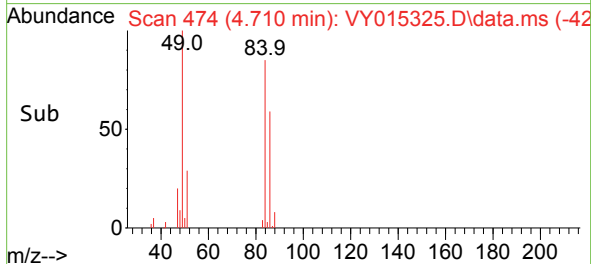
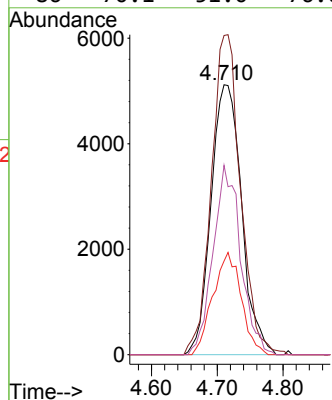


#20
Methylene Chloride
Concen: 6.353 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

Instrument :
MSVOA_Y
ClientSampleId :

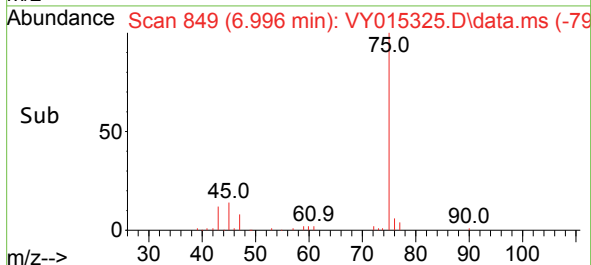
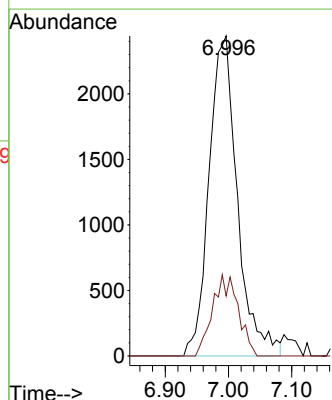
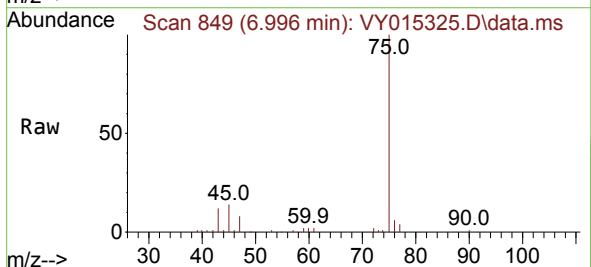


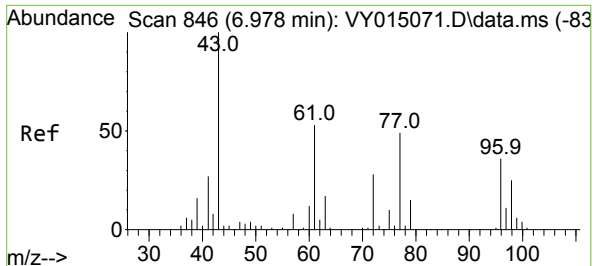
Tgt Ion:	84	Resp:	16555
Ion	Ratio	Lower	Upper
84	100		
49	118.3	106.9	160.3
51	34.7	33.2	49.8
86	70.1	51.0	76.6



#25
2-Butanone
Concen: 7.874 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.018 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

Tgt Ion:	43	Resp:	7603
Ion	Ratio	Lower	Upper
43	100		
72	18.8	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 1.212 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.006 min

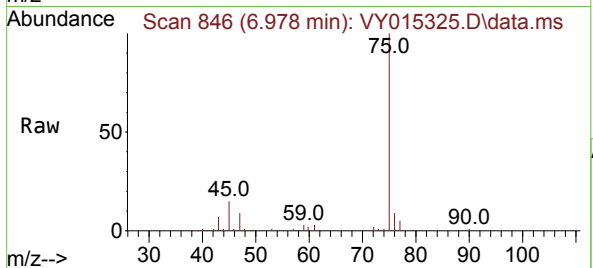
Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

Instrument :

MSVOA_Y

ClientSampleId :

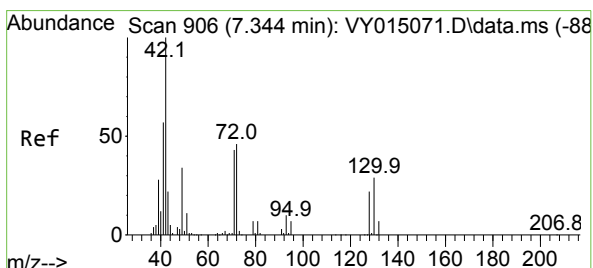
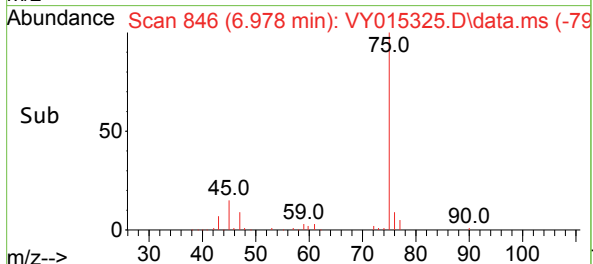
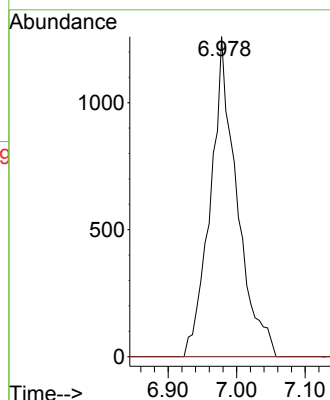


Tgt Ion: 77 Resp: 3387

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#29

Tetrahydrofuran

Concen: 1.784 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

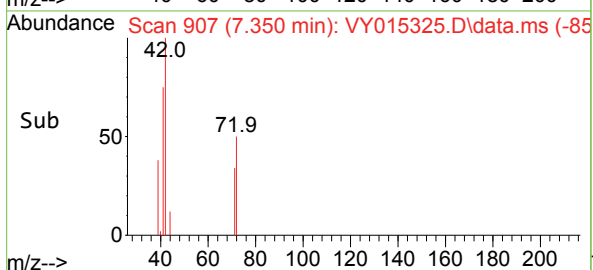
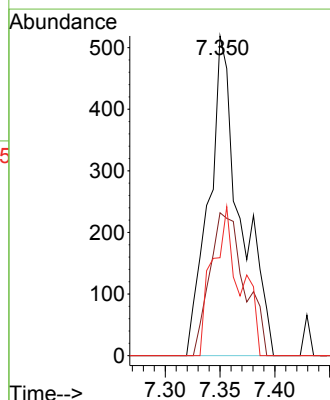
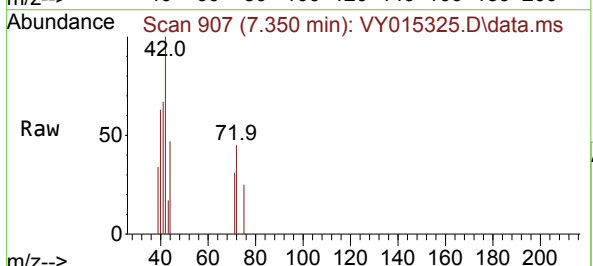
Tgt Ion: 42 Resp: 1030

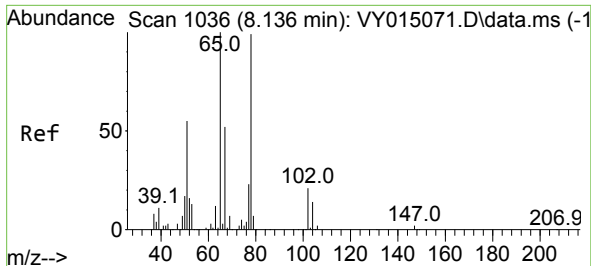
Ion Ratio Lower Upper

42 100

72 49.8 32.8 49.2#

71 41.4 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 52.156 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

Instrument :

MSVOA_Y

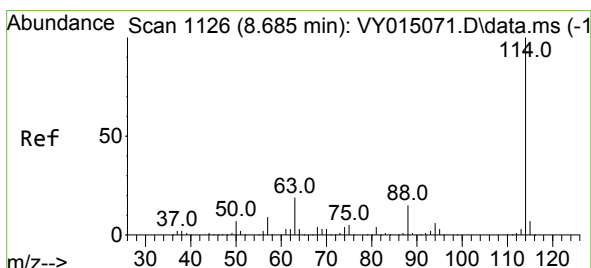
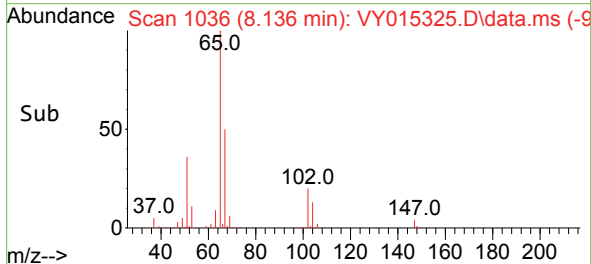
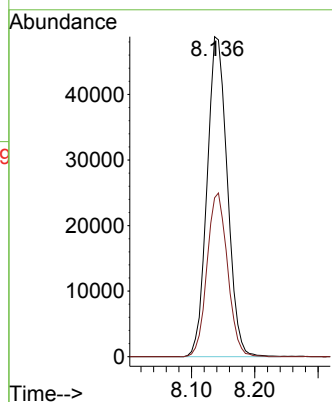
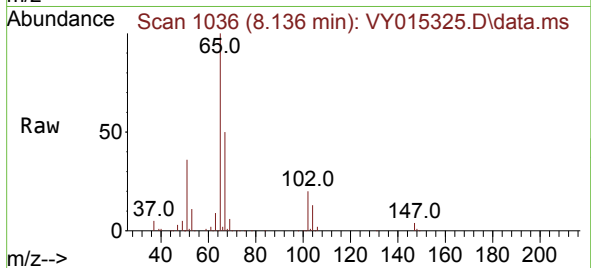
ClientSampleId :

Tgt Ion: 65 Resp: 108877

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

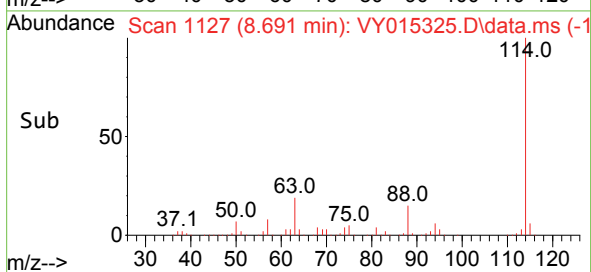
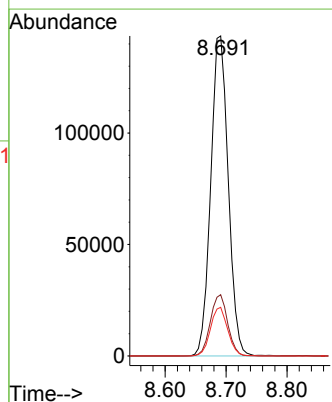
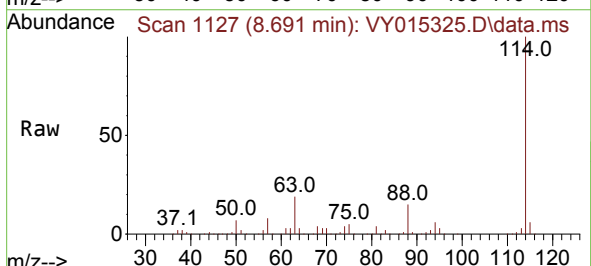
Tgt Ion: 114 Resp: 286374

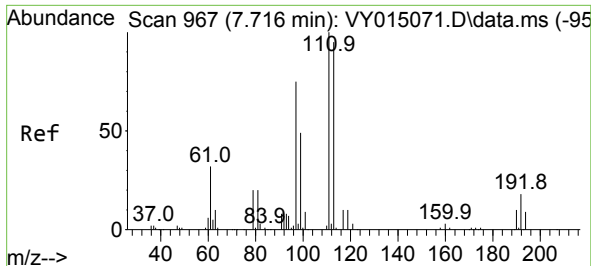
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.2 0.0 30.6

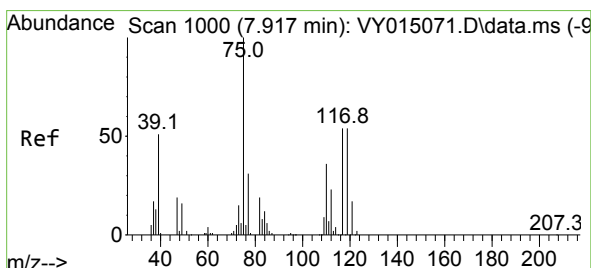
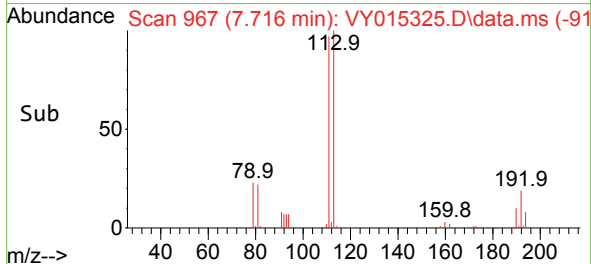
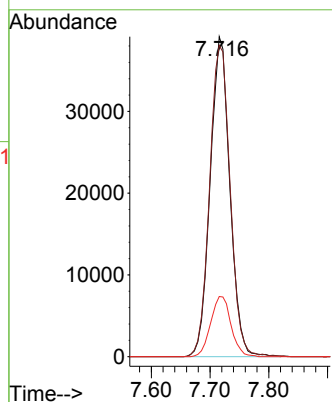
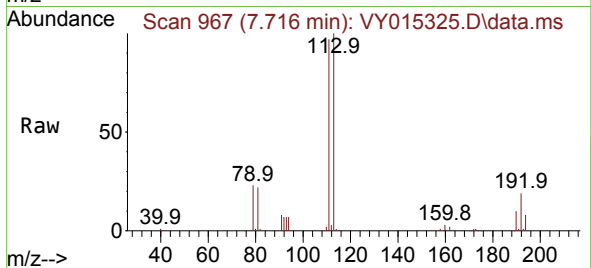




#35
Dibromofluoromethane
Concen: 49.301 ug/l
RT: 7.716 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

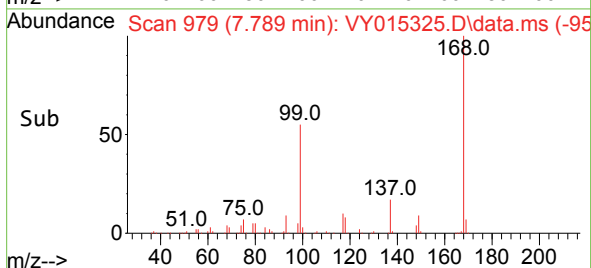
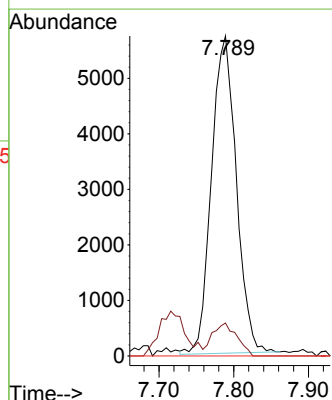
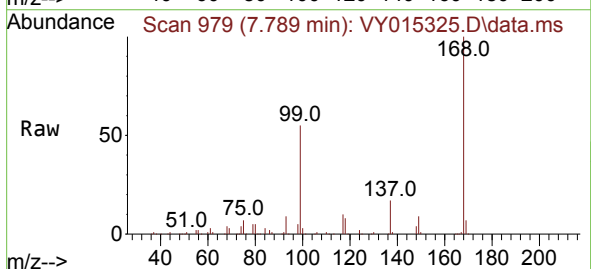
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ClientSampleId :

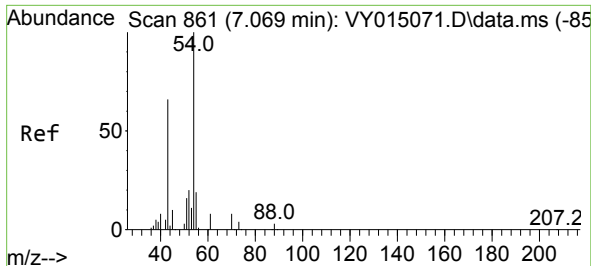
Tgt Ion:113 Resp: 90830
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.476 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

Tgt Ion: 75 Resp: 13200
Ion Ratio Lower Upper
75 100
110 10.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.002 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.073 min

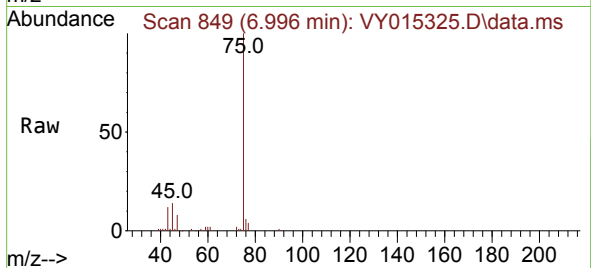
Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

Instrument :

MSVOA_Y

ClientSampleId :



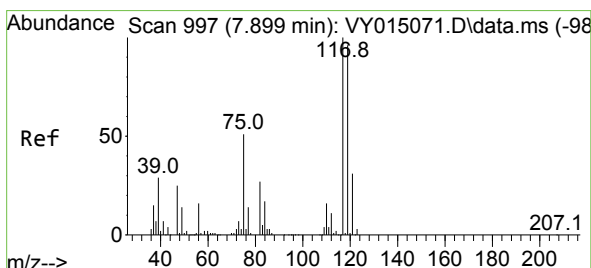
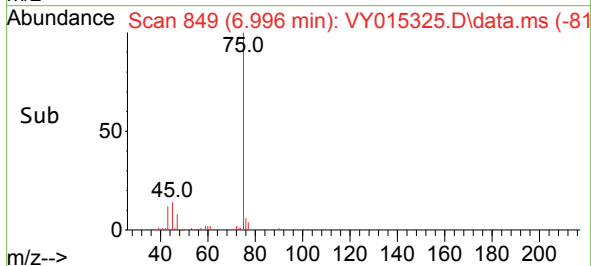
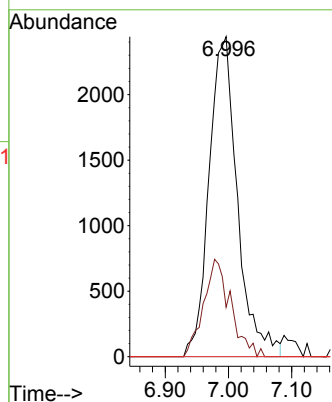
Tgt Ion: 43 Resp: 7603

Ion Ratio Lower Upper

43 100

61 29.1 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.983 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

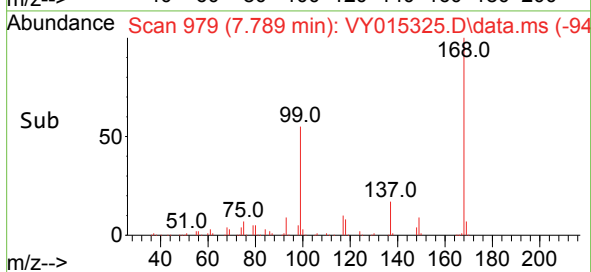
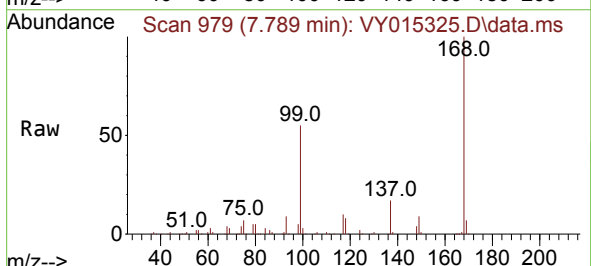
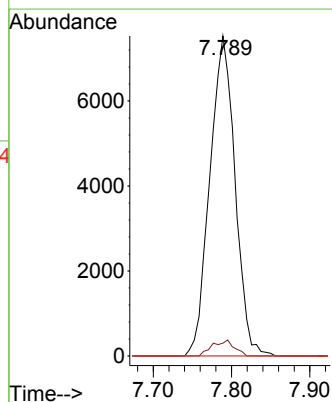
Tgt Ion: 117 Resp: 16844

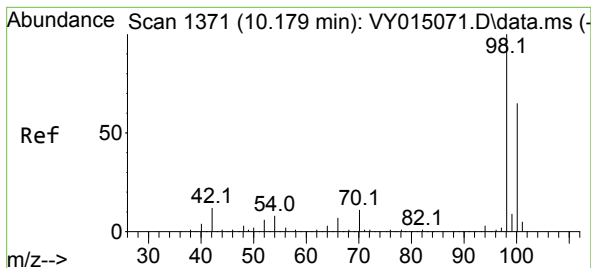
Ion Ratio Lower Upper

117 100

119 4.0 76.4 114.6#

121 0.0 25.8 38.6#

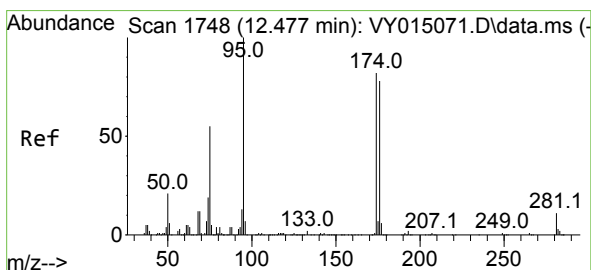
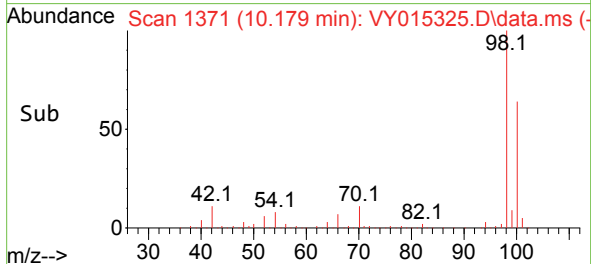
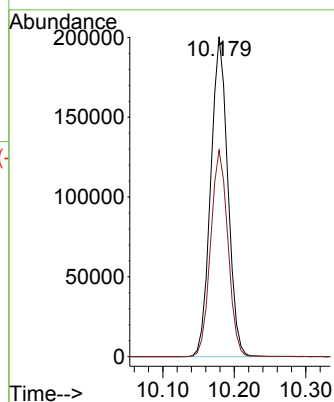
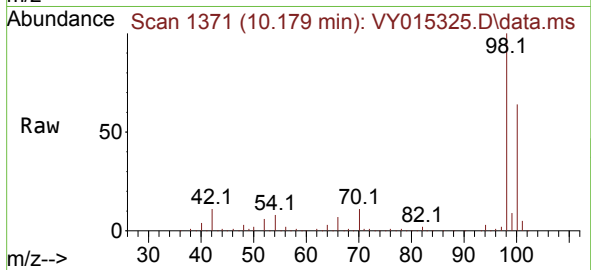




#50
Toluene-d8
Concen: 48.498 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

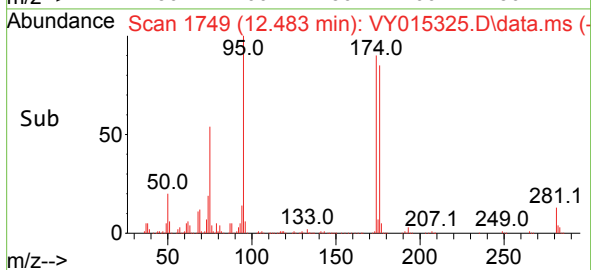
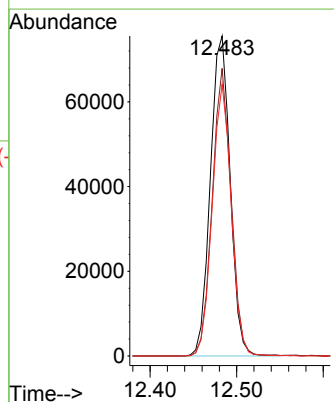
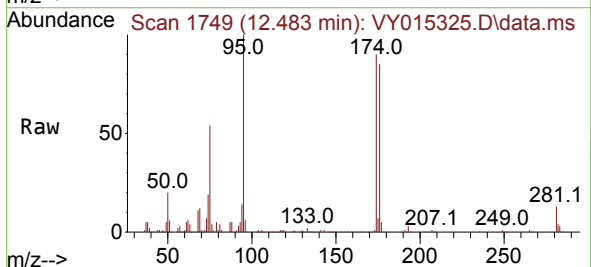
Instrument :
MSVOA_Y
ClientSampleId :

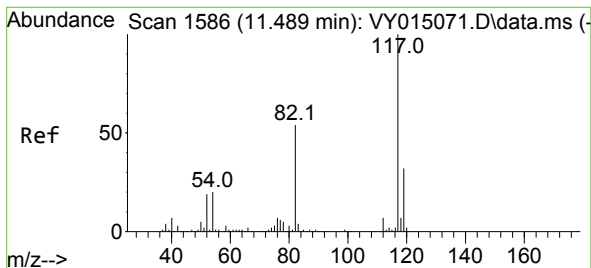
Tgt Ion: 98 Resp: 332612
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.827 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

Tgt Ion: 95 Resp: 119805
Ion Ratio Lower Upper
95 100
174 85.6 0.0 178.2
176 81.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

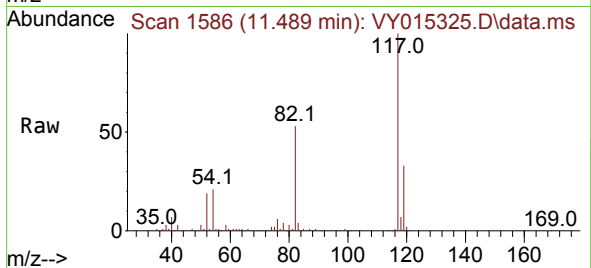
Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

Instrument :

MSVOA_Y

ClientSampleId :



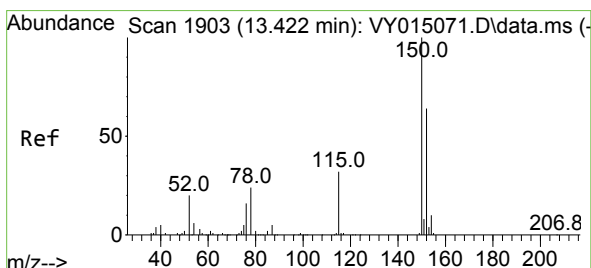
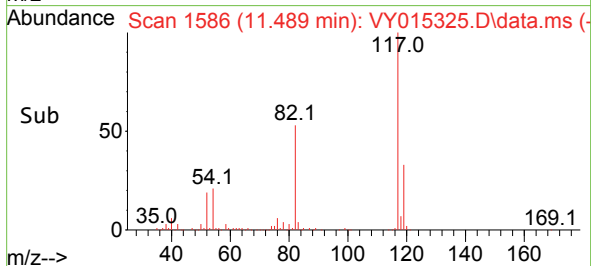
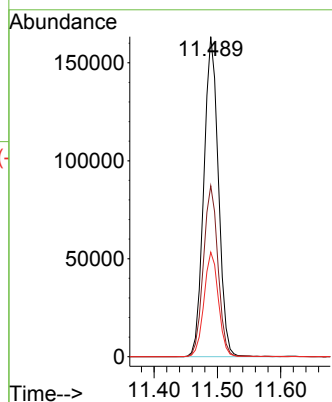
Tgt Ion:117 Resp: 262556

Ion Ratio Lower Upper

117 100

82 53.4 43.4 65.0

119 32.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015325.D

Acq: 24 Aug 2023 20:25

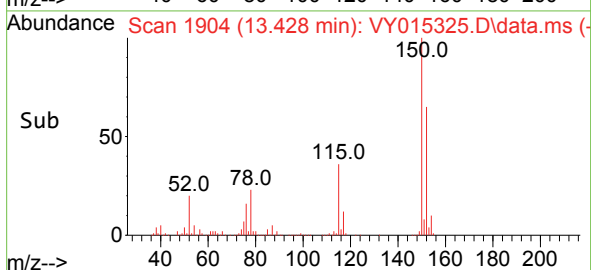
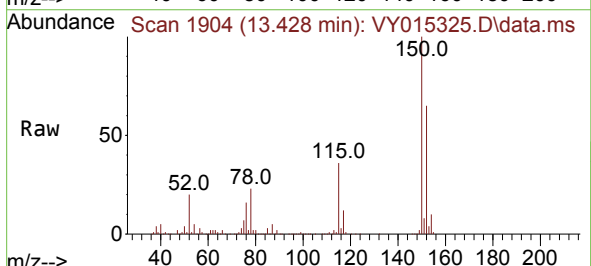
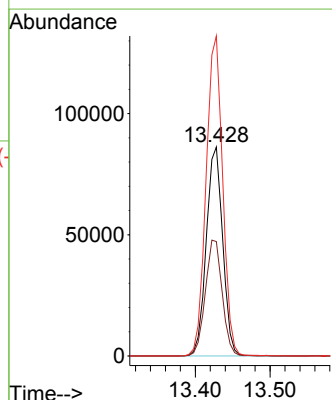
Tgt Ion:152 Resp: 131373

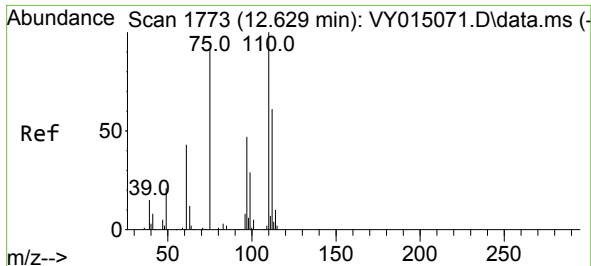
Ion Ratio Lower Upper

152 100

115 57.1 28.8 86.5

150 154.8 0.0 348.8

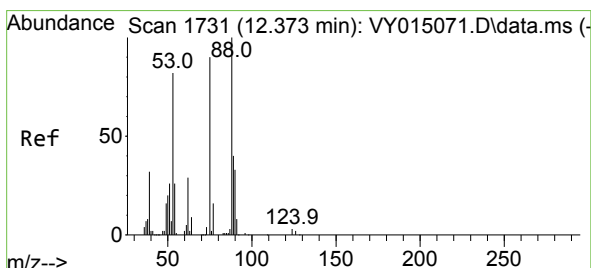
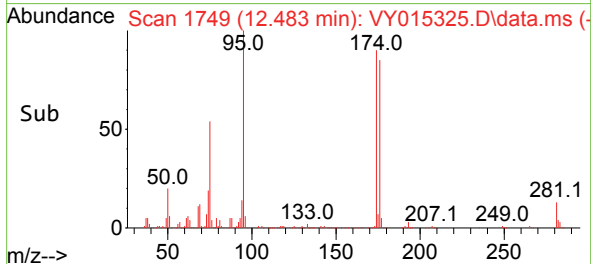
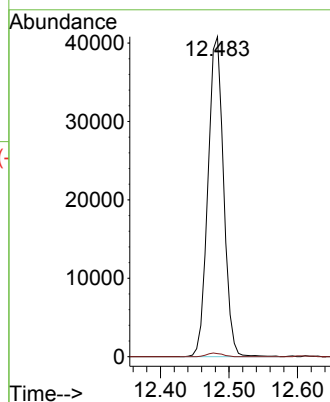
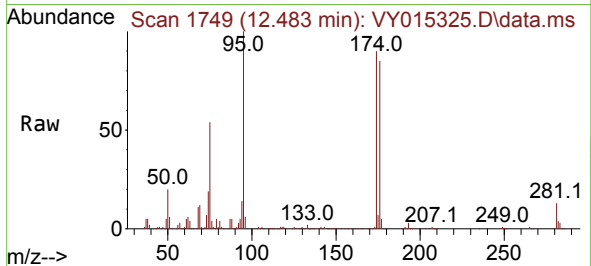




#76
1,2,3-Trichloropropane
Concen: 40.595 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

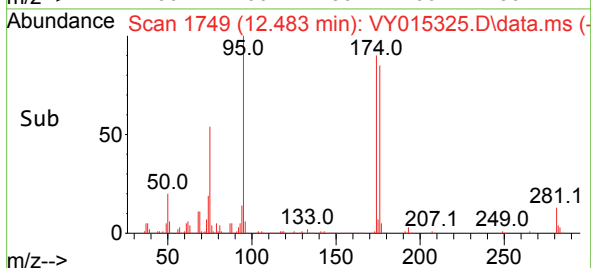
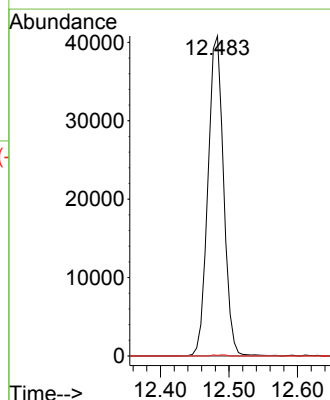
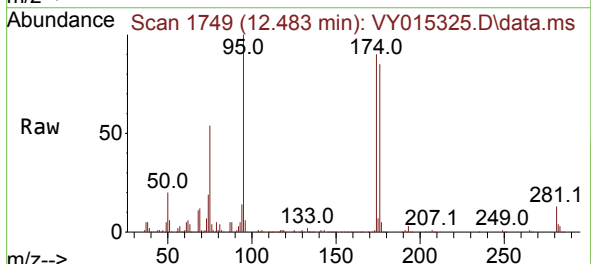
Instrument :
MSVOA_Y
ClientSampleId :

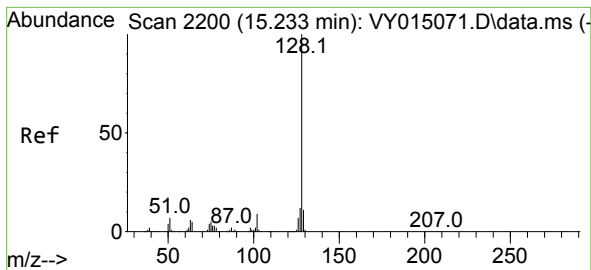
Tgt Ion: 75 Resp: 64793
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.166 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

Tgt Ion: 75 Resp: 64793
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.3 37.4 56.0#





#95
Naphthalene
Concen: 3.617 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015325.D
Acq: 24 Aug 2023 20:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	11.0	8.6	13.0

