

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051624\
 Data File : VY018295.D
 Acq On : 16 May 2024 19:10
 Operator : SY/MD
 Sample : P2513-07
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-15

Quant Time: May 17 01:19:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

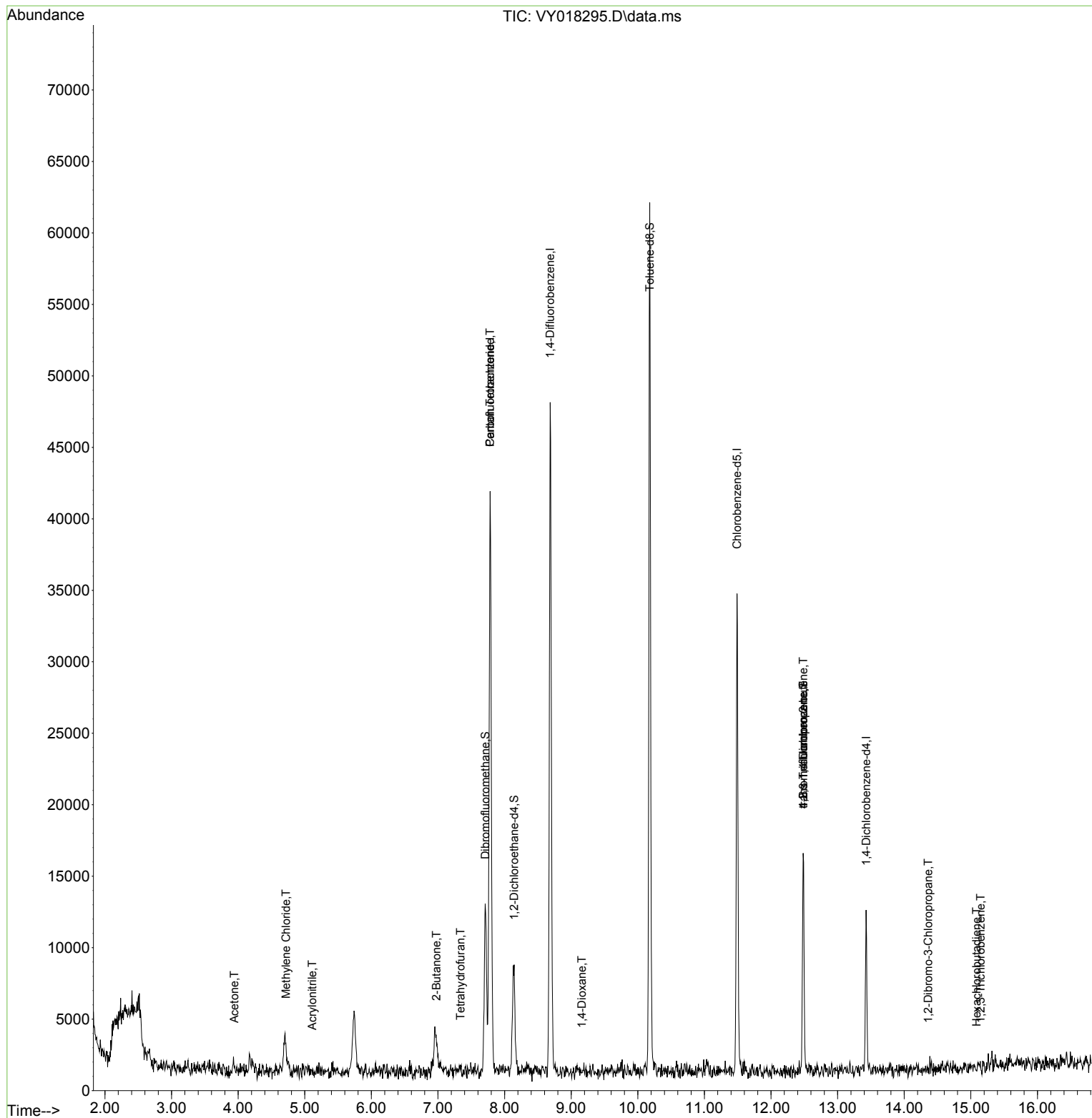
Internal Standards						
1) Pentafluorobenzene	7.783	168	30851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	41770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	18209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	5514	24.295	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	48.580%#
35) Dibromofluoromethane	7.710	113	8976	40.889	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.780%
50) Toluene-d8	10.179	98	40269	46.551	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.100%
62) 4-Bromofluorobenzene	12.483	95	4631	16.577	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	33.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	80	Below Cal	#	88
13) Acrolein	3.704	56	59	Below Cal	#	32
15) Acrylonitrile	5.113	53	79	1.342	ug/l #	72
16) Acetone	3.942	43	931	20.555	ug/l #	75
20) Methylene Chloride	4.716	84	1535	4.795	ug/l #	82
25) 2-Butanone	6.978	43	228	3.149	ug/l #	41
29) Tetrahydrofuran	7.338	42	49	1.025	ug/l #	26
31) Cyclohexane	7.783	56	814	Below Cal	#	46
38) Carbon Tetrachloride	7.783	117	3380	9.830	ug/l #	18
49) 1,4-Dioxane	9.161	88	53	31.384	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	2362	105.351	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2362	202.977	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.361	75	61	13.372	ug/l #	1
94) Hexachlorobutadiene	15.086	225	29	1.167	ug/l #	19
96) 1,2,3-Trichlorobenzene	15.147	180	38	1.028	ug/l #	12

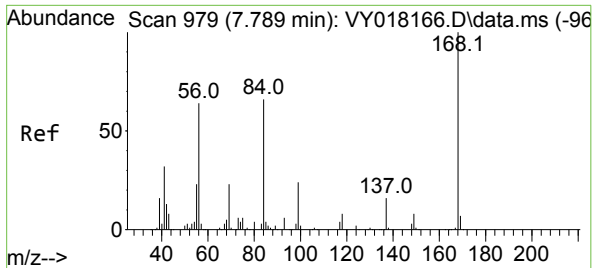
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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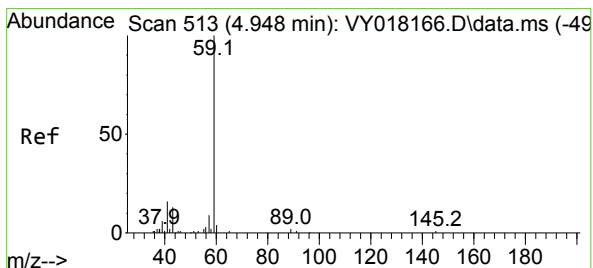
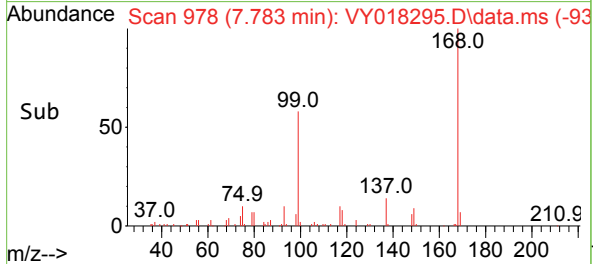
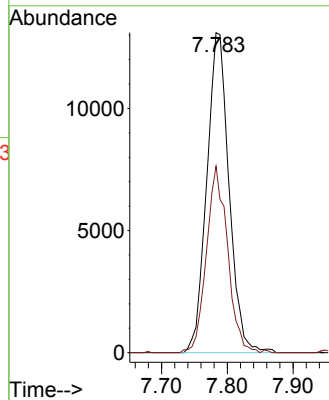
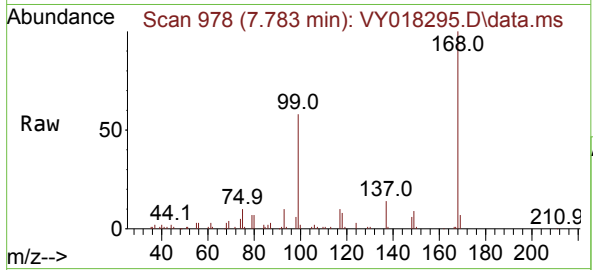




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

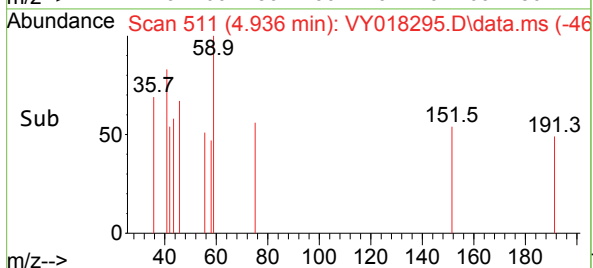
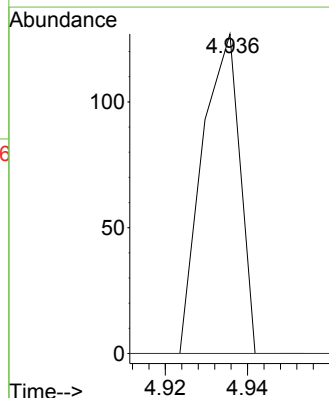
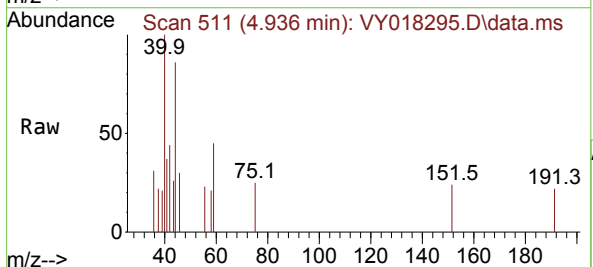
Instrument :
MSVOA_Y
ClientSampleId :
TP-15

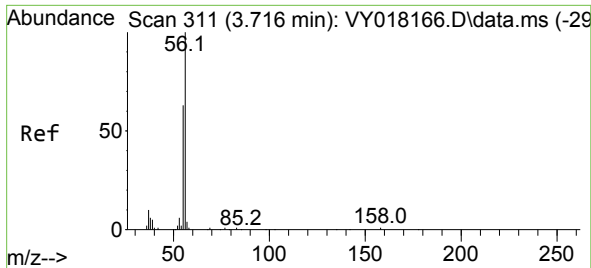
Tgt Ion:168 Resp: 30851
Ion Ratio Lower Upper
168 100
99 58.2 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.012 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

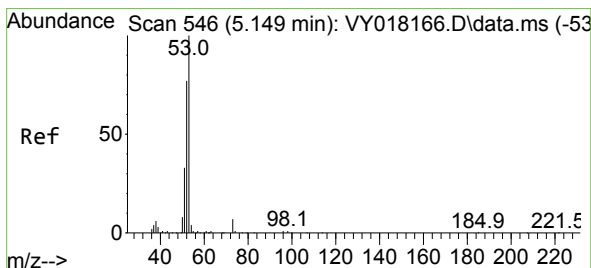
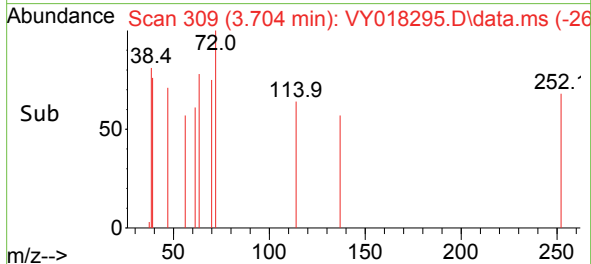
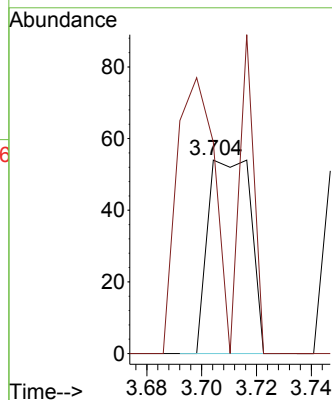
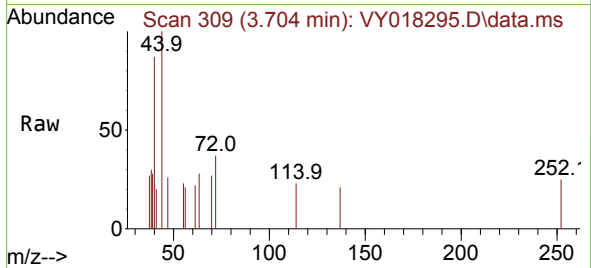




#13
Acrolein
Concen: Below Cal
RT: 3.704 min Scan# 309
Delta R.T. -0.012 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

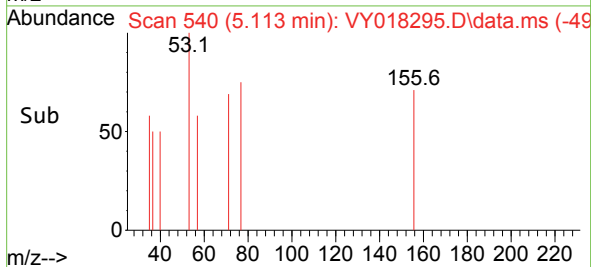
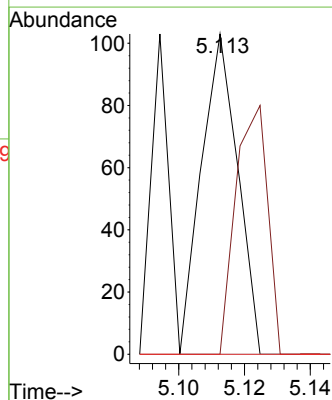
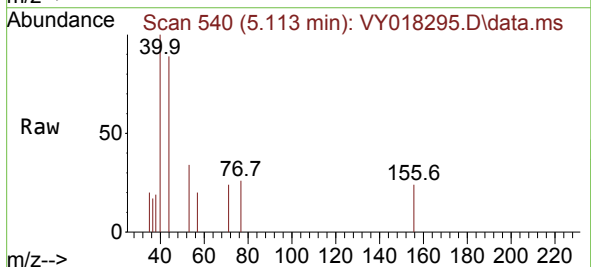
Instrument :
MSVOA_Y
ClientSampleId :
TP-15

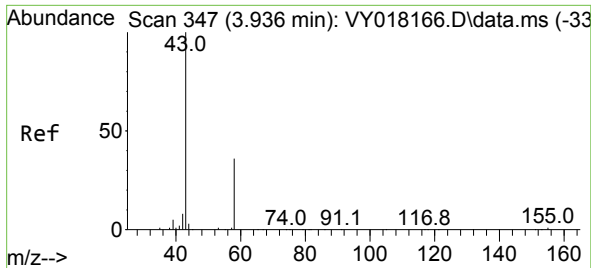
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 125.4 55.7 83.5#



#15
Acrylonitrile
Concen: 1.342 ug/l
RT: 5.113 min Scan# 540
Delta R.T. -0.037 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

Tgt Ion: 53 Resp: 79
Ion Ratio Lower Upper
53 100
52 68.4 64.7 97.1
51 0.0 28.4 42.6#





#16

Acetone

Concen: 20.555 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY018295.D

Acq: 16 May 2024 19:10

Instrument :

MSVOA_Y

ClientSampleId :

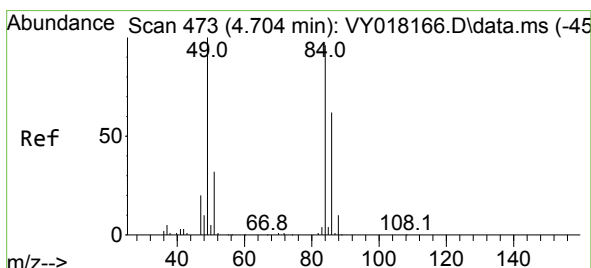
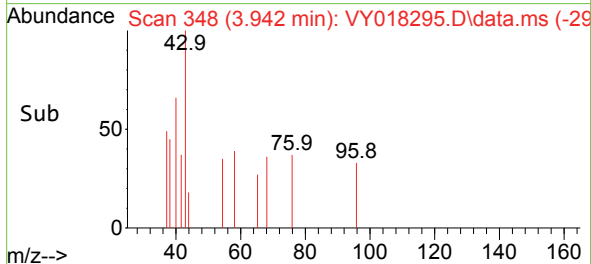
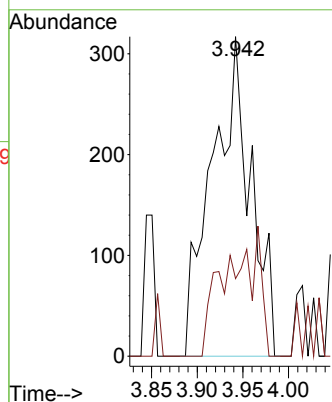
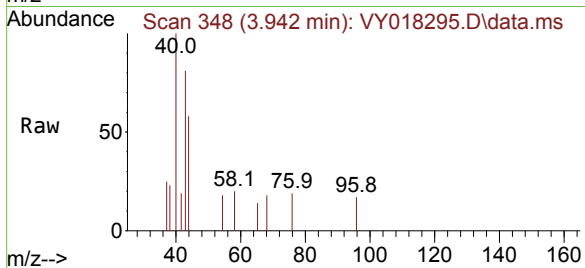
TP-15

Tgt Ion: 43 Resp: 931

Ion Ratio Lower Upper

43 100

58 24.3 31.7 47.5#



#20

Methylene Chloride

Concen: 4.795 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.012 min

Lab File: VY018295.D

Acq: 16 May 2024 19:10

Tgt Ion: 84 Resp: 1535

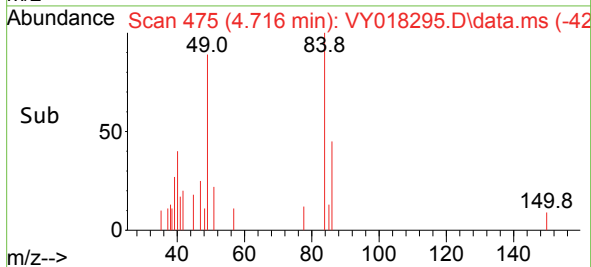
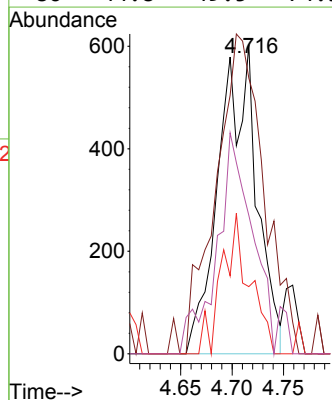
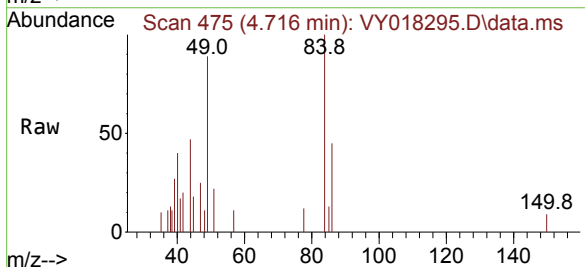
Ion Ratio Lower Upper

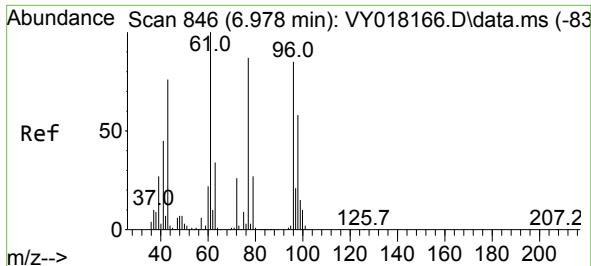
84 100

49 89.2 84.4 126.6

51 21.7 26.0 39.0#

86 44.8 49.5 74.3#

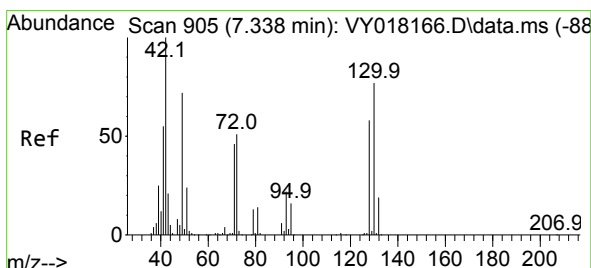
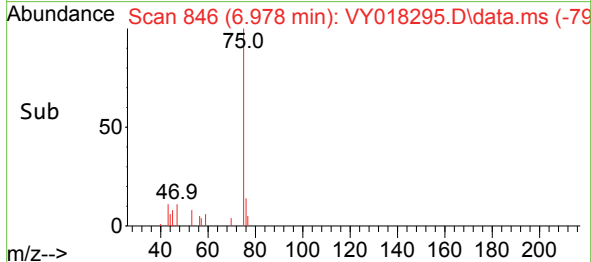
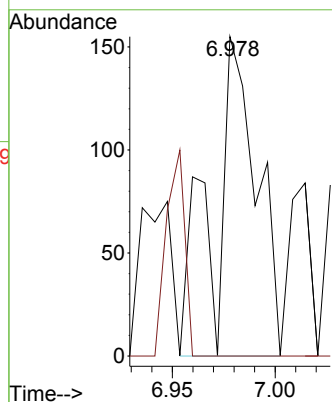
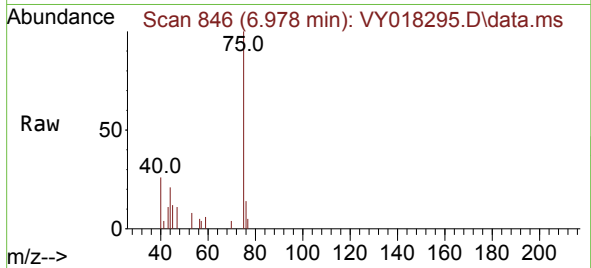




#25
2-Butanone
Concen: 3.149 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

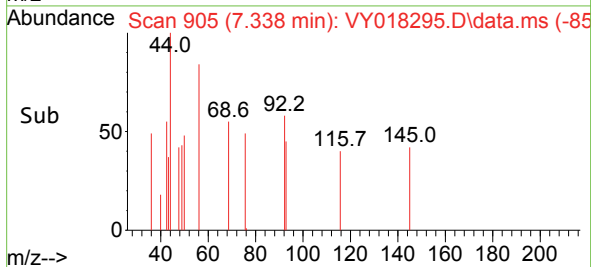
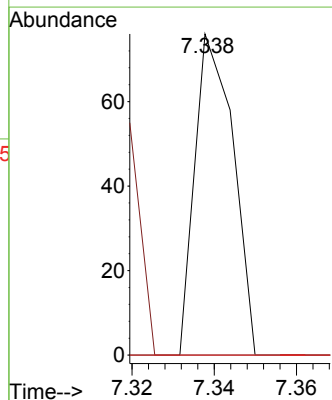
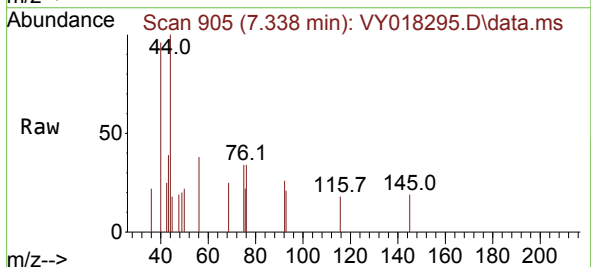
Instrument :
MSVOA_Y
ClientSampleId :
TP-15

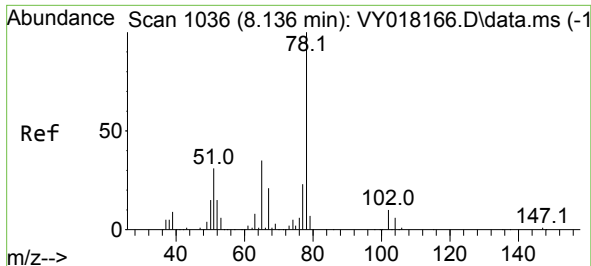
Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 1.025 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

Tgt Ion: 42 Resp: 49
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 24.295 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY018295.D

Acq: 16 May 2024 19:10

Instrument :

MSVOA_Y

ClientSampleId :

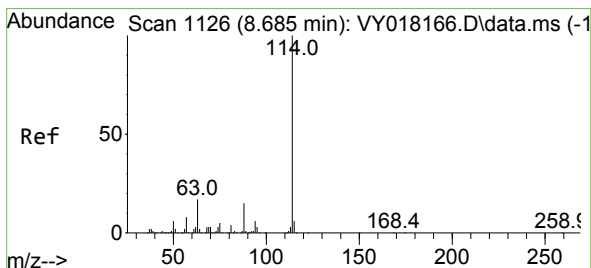
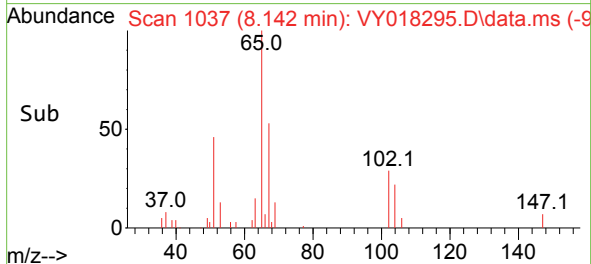
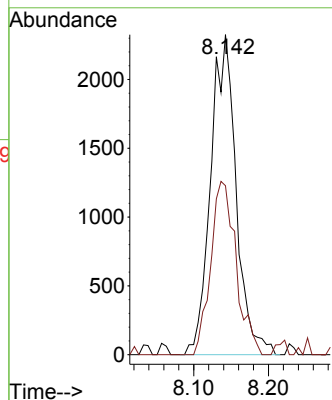
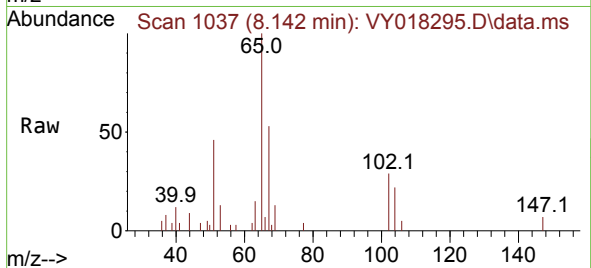
TP-15

Tgt Ion: 65 Resp: 5514

Ion Ratio Lower Upper

65 100

67 53.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY018295.D

Acq: 16 May 2024 19:10

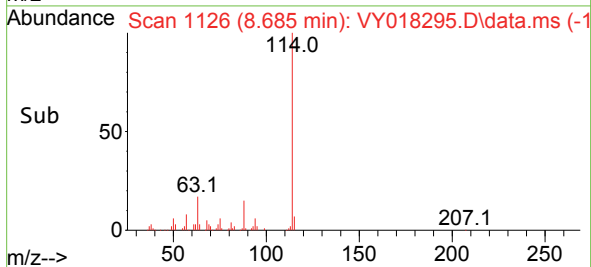
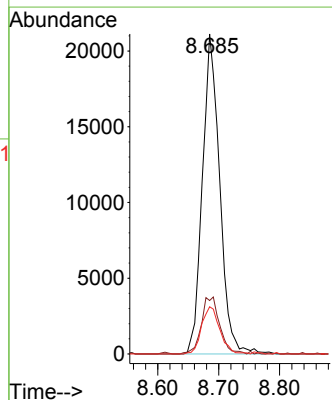
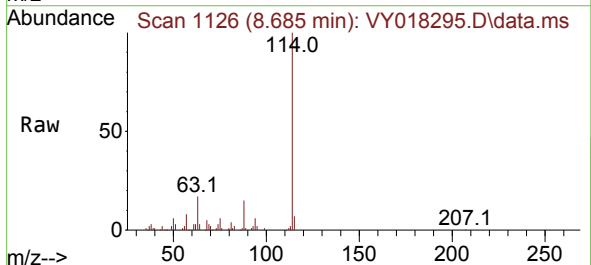
Tgt Ion: 114 Resp: 41770

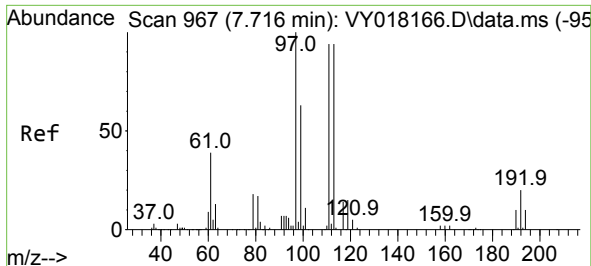
Ion Ratio Lower Upper

114 100

63 16.7 0.0 35.0

88 14.7 0.0 27.2

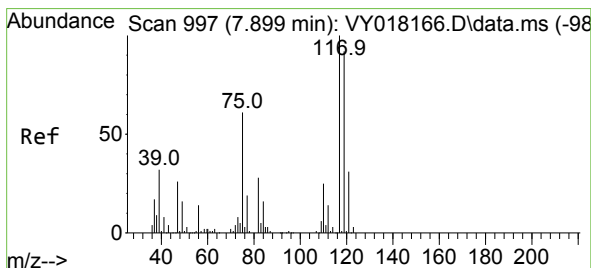
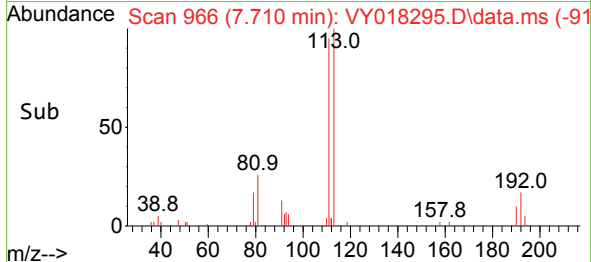
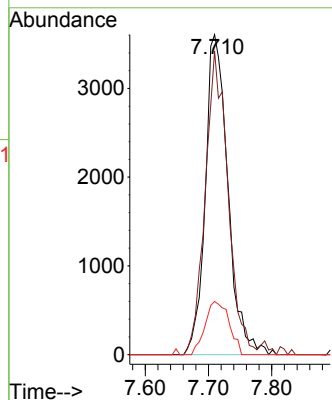
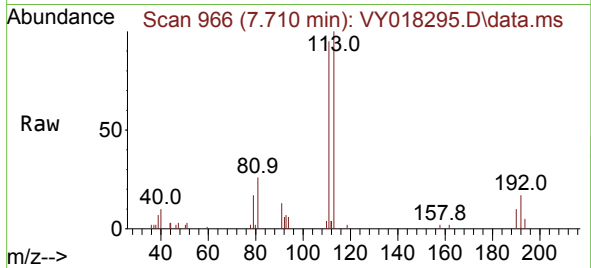




#35
Dibromofluoromethane
Concen: 40.889 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

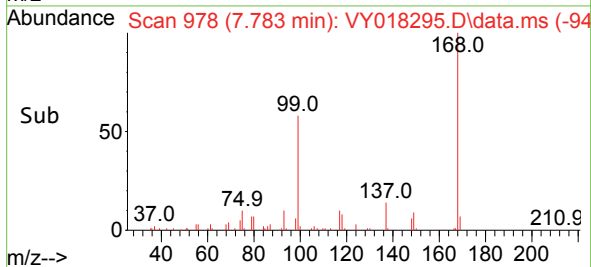
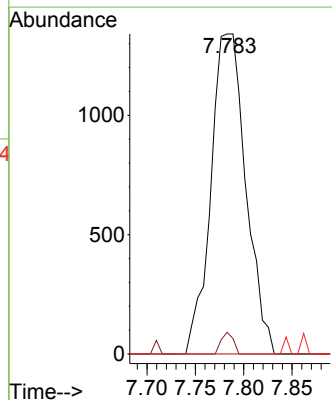
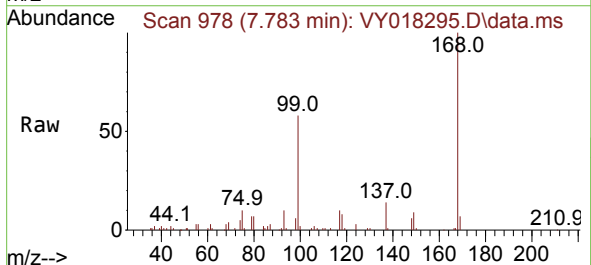
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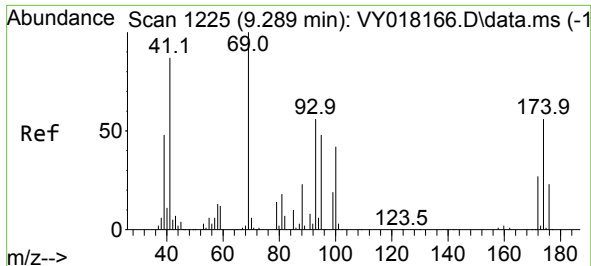
Tgt Ion:113 Resp: 8976
Ion Ratio Lower Upper
113 100
111 95.2 82.2 123.4
192 17.6 15.9 23.9



#38
Carbon Tetrachloride
Concen: 9.830 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

Tgt Ion:117 Resp: 3380
Ion Ratio Lower Upper
117 100
119 6.8 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 31.384 ug/l

RT: 9.161 min Scan# 1204

Delta R.T. -0.128 min

Lab File: VY018295.D

Acq: 16 May 2024 19:10

Instrument :

MSVOA_Y

ClientSampleId :

TP-15

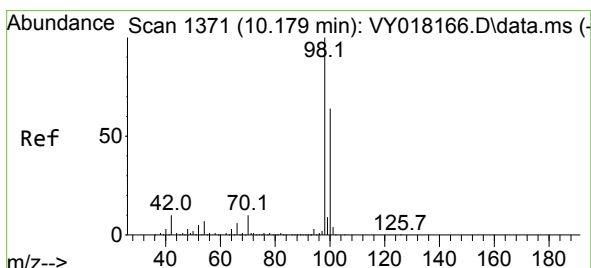
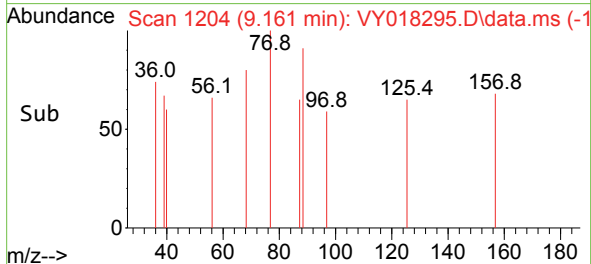
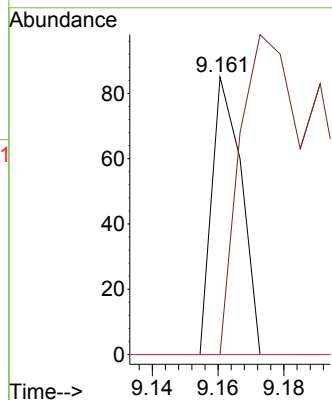
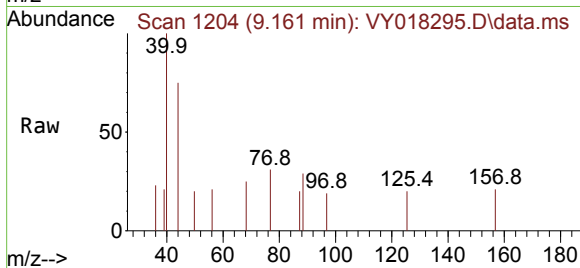
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 317.0 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 46.551 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018295.D

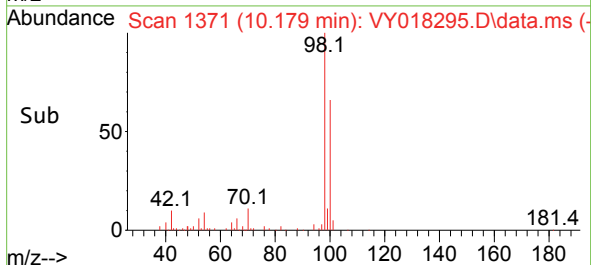
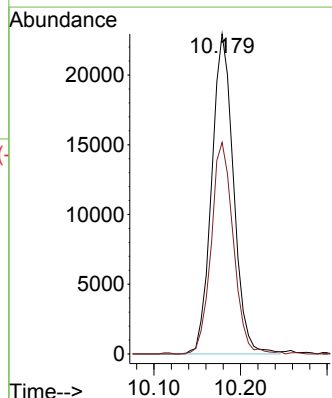
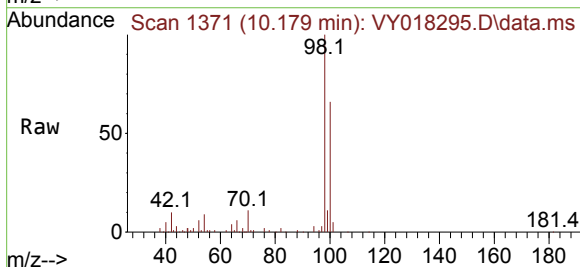
Acq: 16 May 2024 19:10

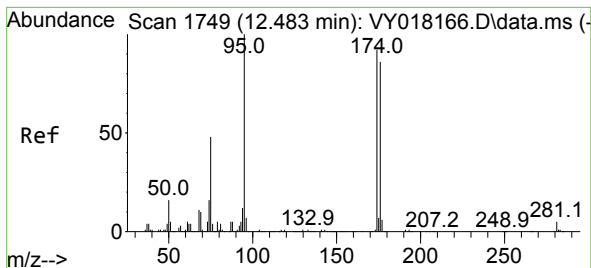
Tgt Ion: 98 Resp: 40269

Ion Ratio Lower Upper

98 100

100 67.0 52.0 78.0

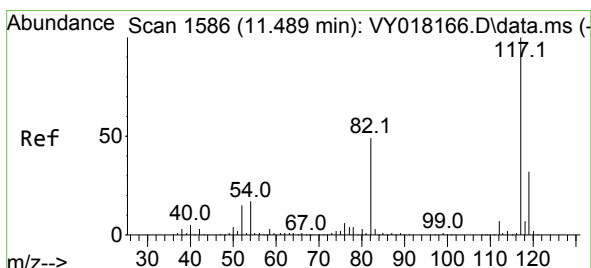
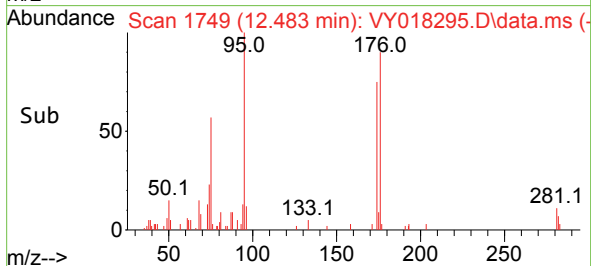
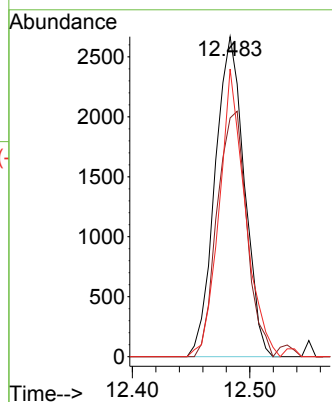
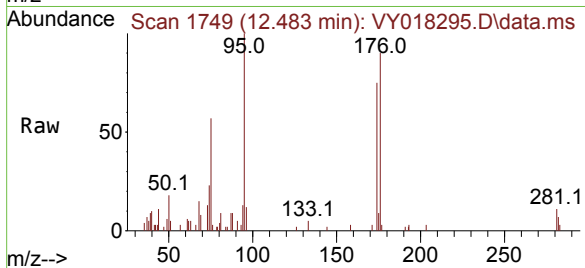




#62
4-Bromofluorobenzene
Concen: 16.577 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

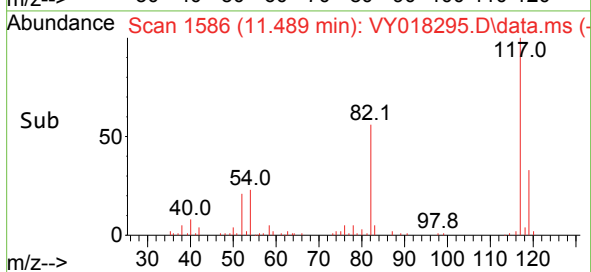
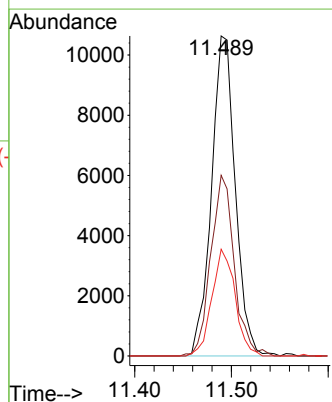
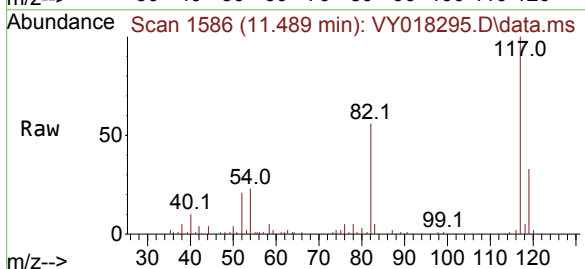
Instrument :
MSVOA_Y
ClientSampleId :
TP-15

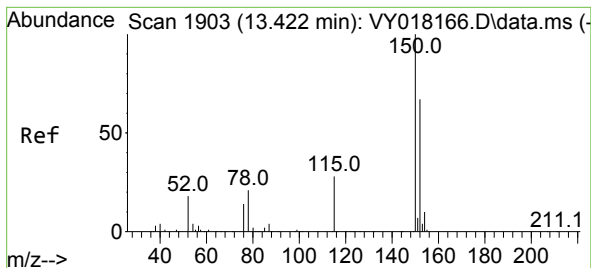
Tgt Ion:	95	Resp:	4631
Ion	Ratio	Lower	Upper
95	100		
174	77.5	0.0	175.6
176	80.0	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

Tgt Ion:	117	Resp:	18209
Ion	Ratio	Lower	Upper
117	100		
82	56.5	42.4	63.6
119	33.4	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY018295.D

Acq: 16 May 2024 19:10

Instrument :

MSVOA_Y

ClientSampleId :

TP-15

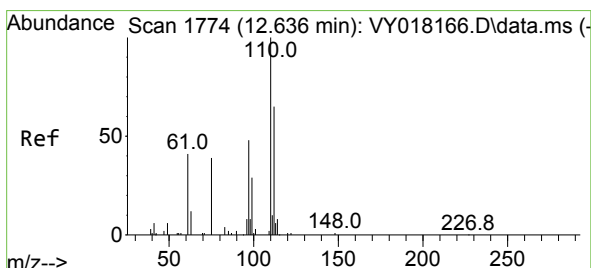
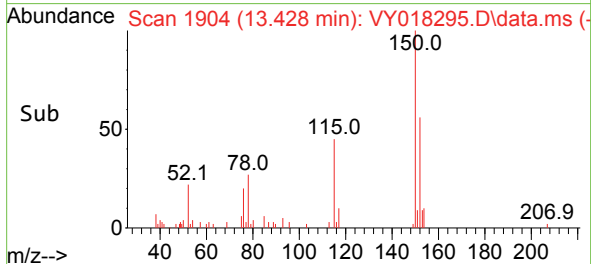
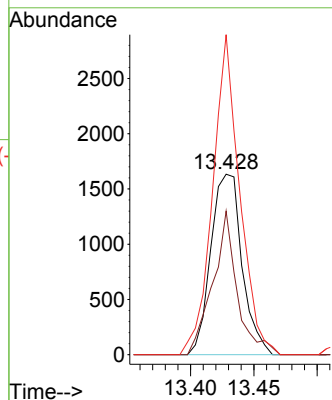
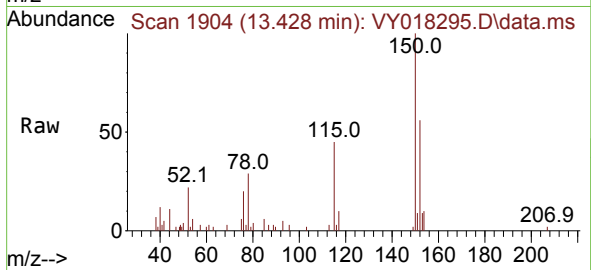
Tgt Ion:152 Resp: 2801

Ion Ratio Lower Upper

152 100

115 62.3 28.2 84.7

150 153.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 105.351 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY018295.D

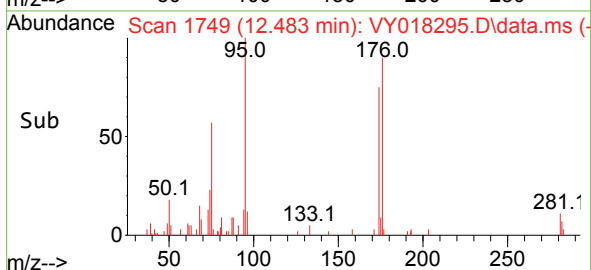
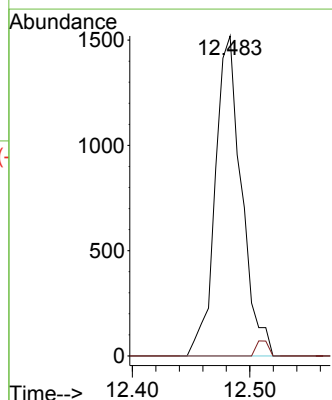
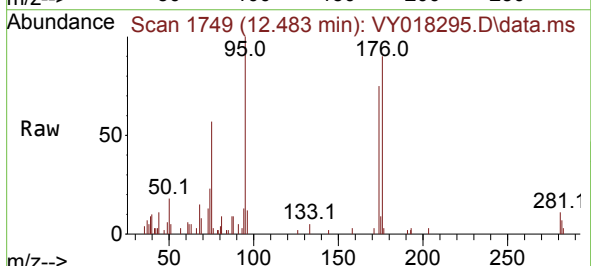
Acq: 16 May 2024 19:10

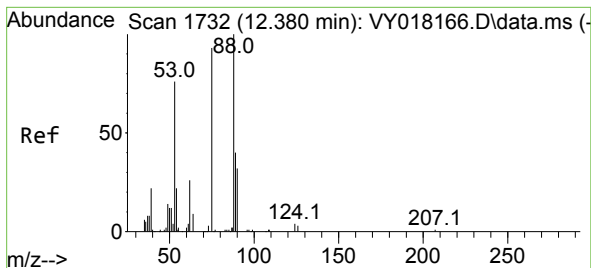
Tgt Ion: 75 Resp: 2362

Ion Ratio Lower Upper

75 100

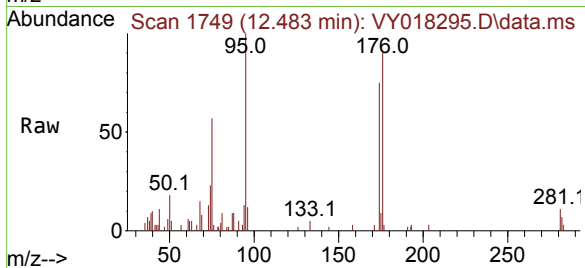
77 0.0 0.0 0.0



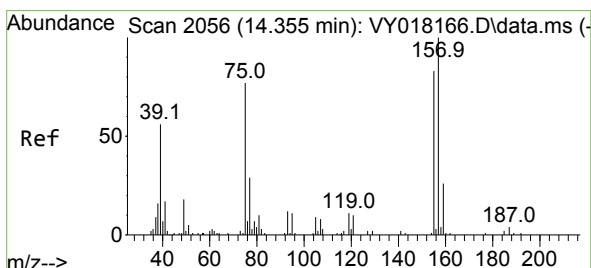
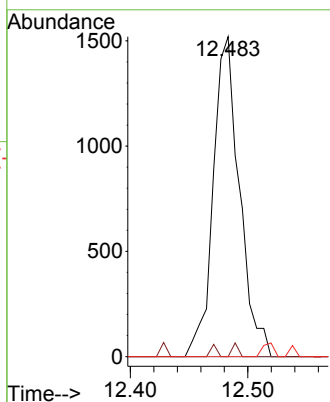
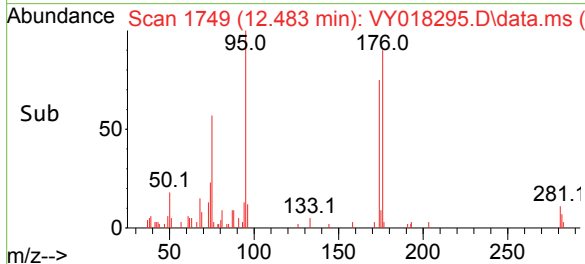


#81
trans-1,4-Dichloro-2-butene
Concen: 202.977 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

Instrument :
MSVOA_Y
ClientSampleId :
TP-15

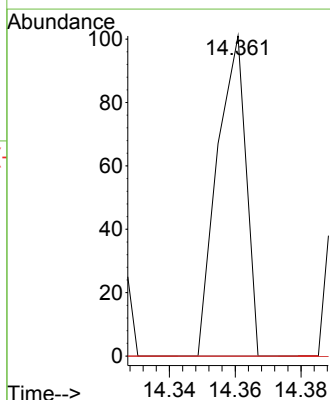
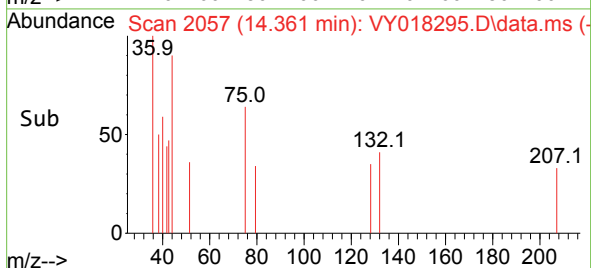
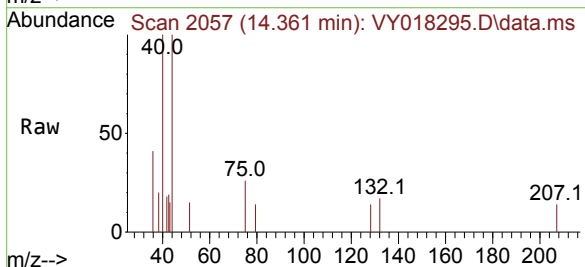


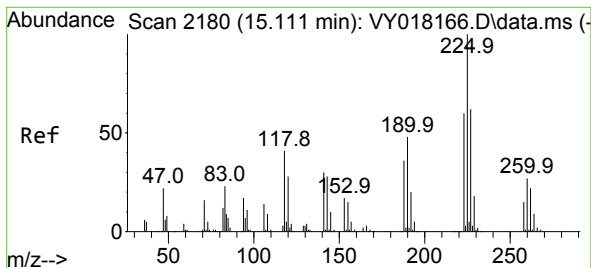
Tgt Ion: 75 Resp: 2362
Ion Ratio Lower Upper
75 100
53 1.0 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 13.372 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY018295.D
Acq: 16 May 2024 19:10

Tgt Ion: 75 Resp: 61
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#





#94

Hexachlorobutadiene

Concen: 1.167 ug/l

RT: 15.086 min Scan# 2180

Delta R.T. -0.024 min

Lab File: VY018295.D

Acq: 16 May 2024 19:10

Instrument :

MSVOA_Y

ClientSampleId :

TP-15

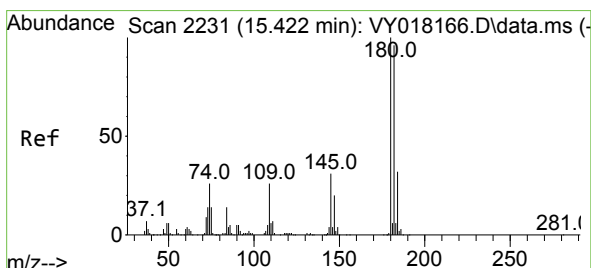
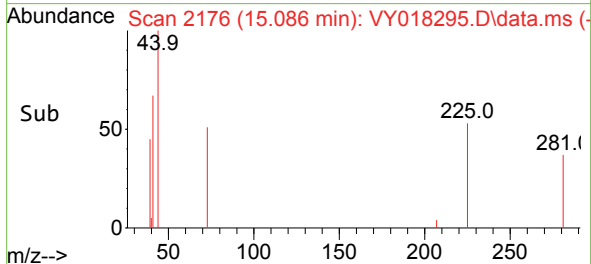
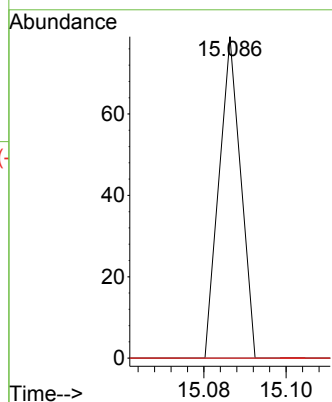
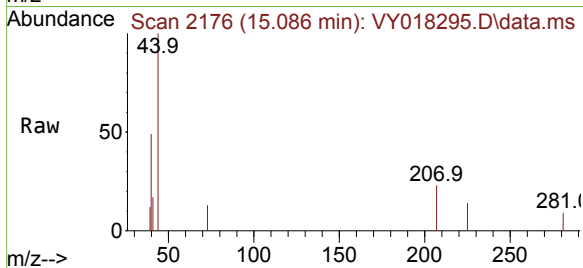
Tgt Ion:225 Resp: 29

Ion Ratio Lower Upper

225 100

223 0.0 30.4 91.2#

227 0.0 31.9 95.9#



#96

1,2,3-Trichlorobenzene

Concen: 1.028 ug/l

RT: 15.147 min Scan# 2186

Delta R.T. -0.274 min

Lab File: VY018295.D

Acq: 16 May 2024 19:10

Tgt Ion:180 Resp: 38

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.9#

145 0.0 15.4 46.1#

