

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051724\
 Data File : VY018316.D
 Acq On : 17 May 2024 18:21
 Operator : SY/MD
 Sample : P2486-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WCS-TPK

Quant Time: May 18 00:54:25 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)

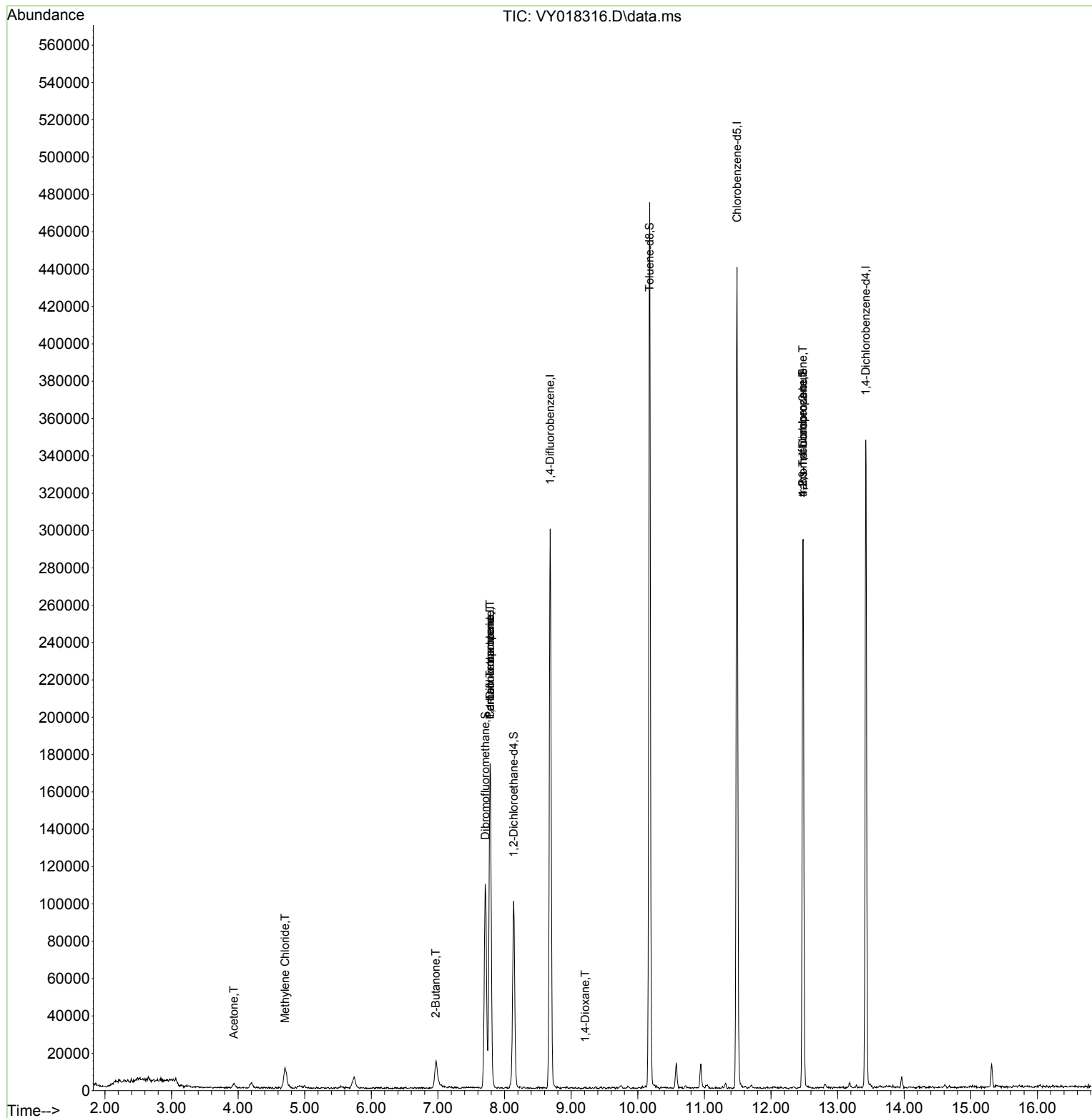
Internal Standards						
1) Pentafluorobenzene	7.783	168	134244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	264804	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	236469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	86556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	69891	70.769	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.540%	
35) Dibromofluoromethane	7.710	113	79380	57.039	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.080%	
50) Toluene-d8	10.179	98	308902	56.327	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.660%	
62) 4-Bromofluorobenzene	12.477	95	93520	52.806	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	739	Below Cal	#	68
13) Acrolein	3.711	56	29	Below Cal	#	1
16) Acetone	3.936	43	4166	21.138	ug/l #	86
20) Methylene Chloride	4.704	84	8288	5.950	ug/l	89
25) 2-Butanone	6.966	43	835	2.650	ug/l #	62
31) Cyclohexane	7.783	56	2969	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	11300	5.664	ug/l #	43
38) Carbon Tetrachloride	7.783	117	13956	6.402	ug/l #	16
49) 1,4-Dioxane	9.210	88	25	2.335	ug/l #	71
76) 1,2,3-Trichloropropane	12.477	75	47801	68.994	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47801	132.929	ug/l #	16

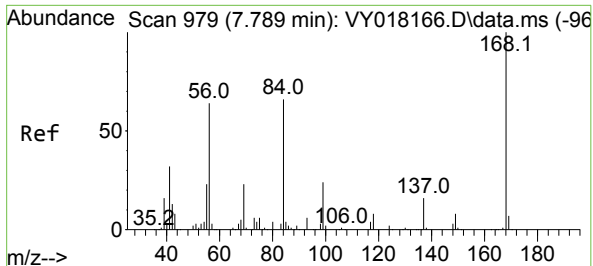
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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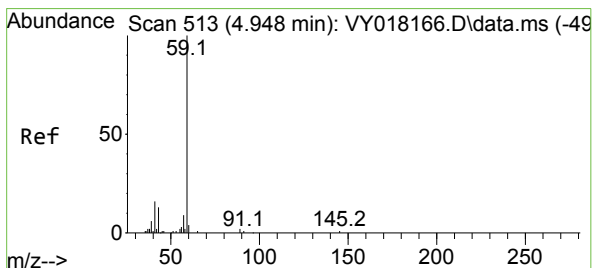
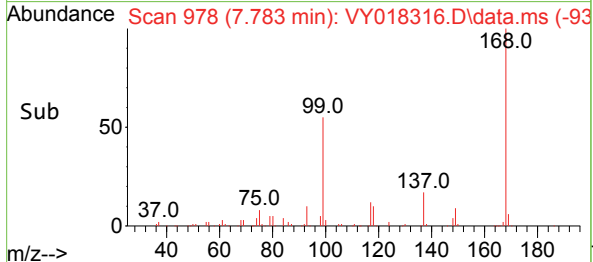
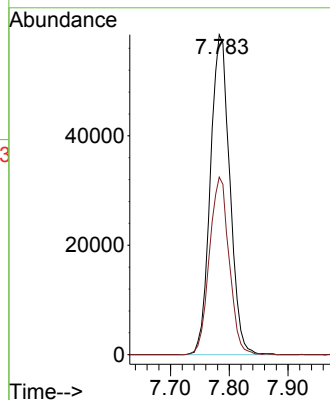
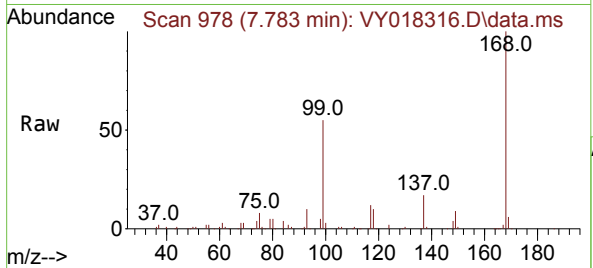




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

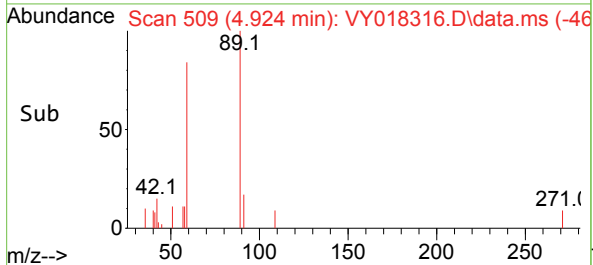
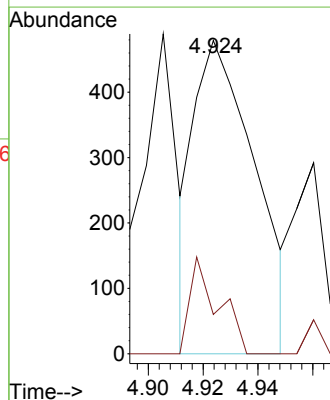
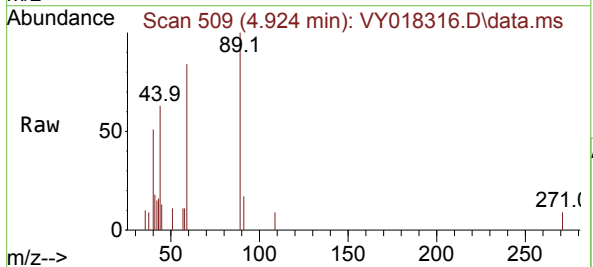
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPK

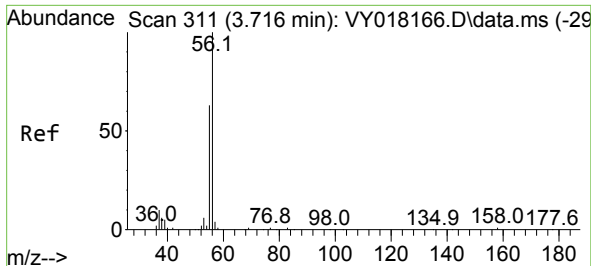
Tgt Ion:168 Resp: 134244
Ion Ratio Lower Upper
168 100
99 55.5 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

Tgt Ion: 59 Resp: 739
Ion Ratio Lower Upper
59 100
57 14.5 3.0 4.6#





#13

Acrolein

Concen: Below Cal

RT: 3.711 min Scan# 311

Delta R.T. -0.005 min

Lab File: VY018316.D

Acq: 17 May 2024 18:21

Instrument :

MSVOA_Y

ClientSampleId :

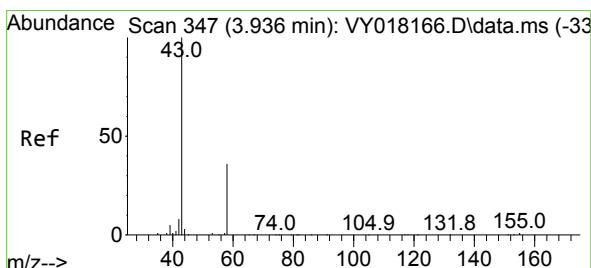
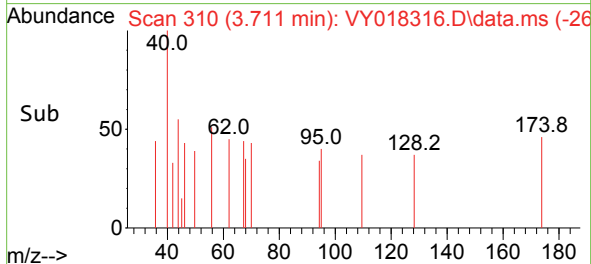
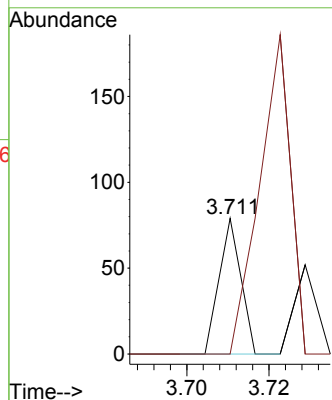
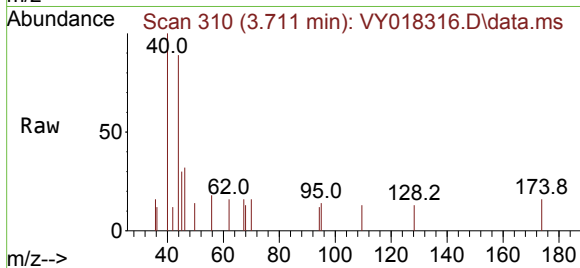
WCS-TPK

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 334.5 55.7 83.5#



#16

Acetone

Concen: 21.138 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY018316.D

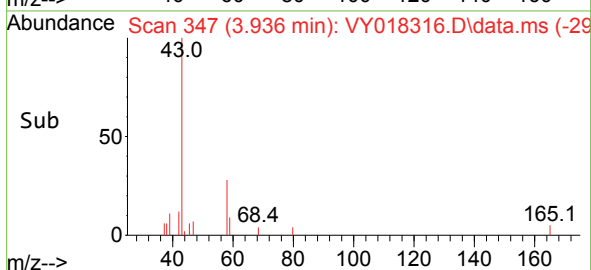
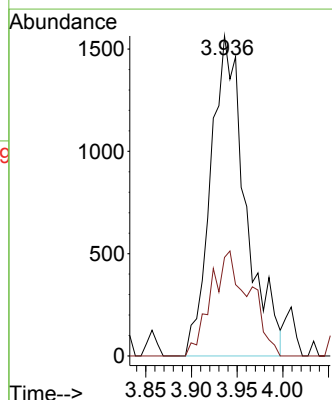
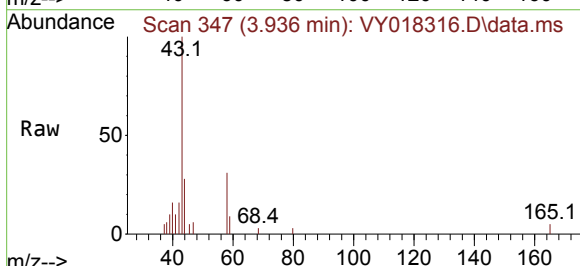
Acq: 17 May 2024 18:21

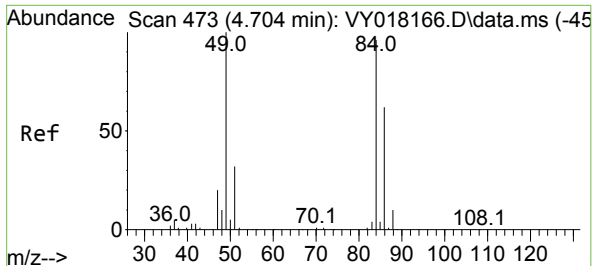
Tgt Ion: 43 Resp: 4166

Ion Ratio Lower Upper

43 100

58 30.8 31.7 47.5#

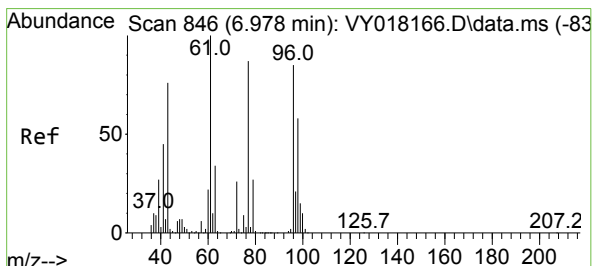
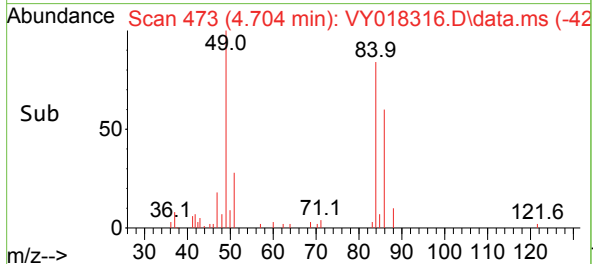
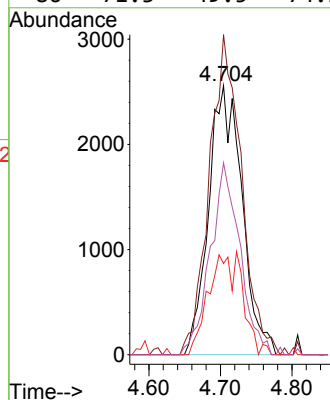
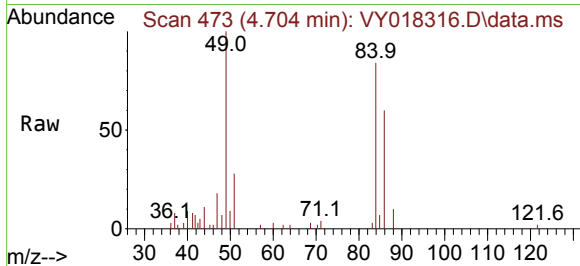




#20
Methylene Chloride
Concen: 5.950 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

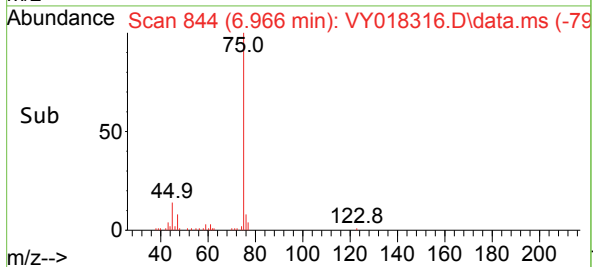
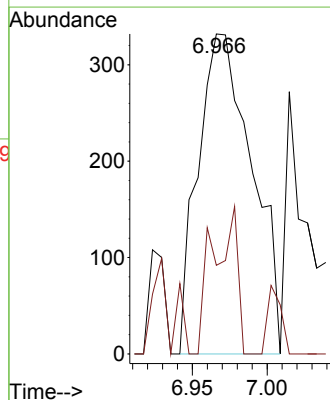
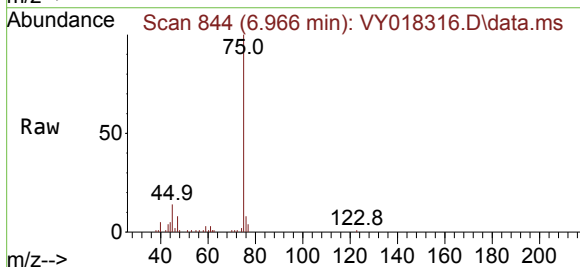
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPK

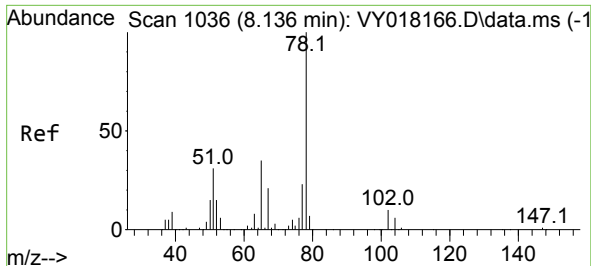
Tgt Ion:	84	Resp:	8288
Ion	Ratio	Lower	Upper
84	100		
49	119.0	84.4	126.6
51	33.9	26.0	39.0
86	71.3	49.5	74.3



#25
2-Butanone
Concen: 2.650 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

Tgt Ion:	43	Resp:	835
Ion	Ratio	Lower	Upper
43	100		
72	12.3	27.3	40.9#





#33

1,2-Dichloroethane-d4

Concen: 70.769 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY018316.D

Acq: 17 May 2024 18:21

Instrument :

MSVOA_Y

ClientSampleId :

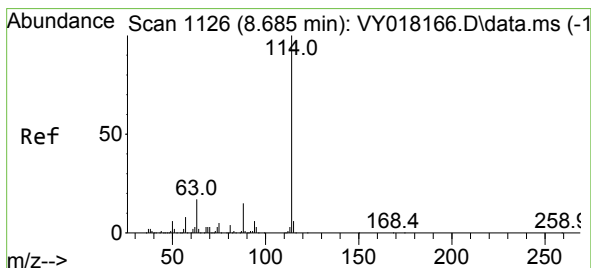
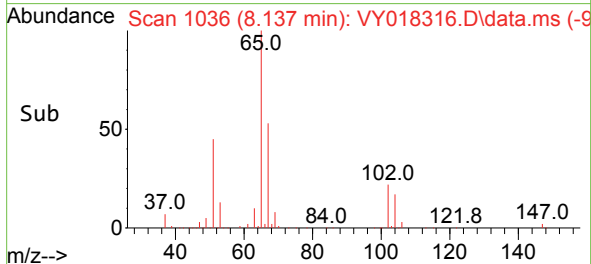
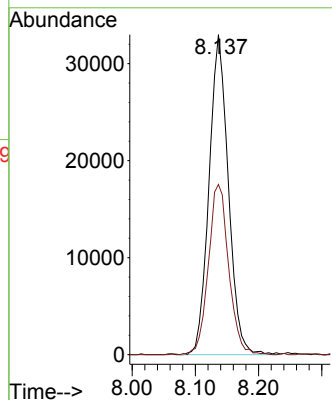
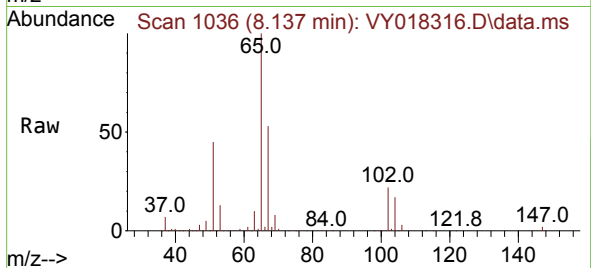
WCS-TPK

Tgt Ion: 65 Resp: 69891

Ion Ratio Lower Upper

65 100

67 55.9 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: VY018316.D

Acq: 17 May 2024 18:21

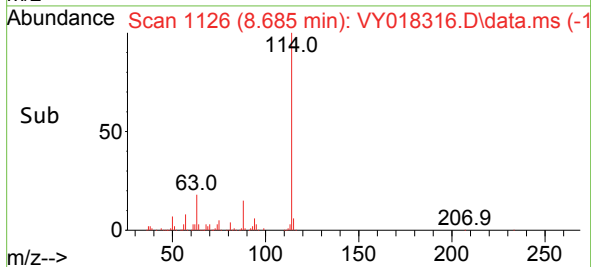
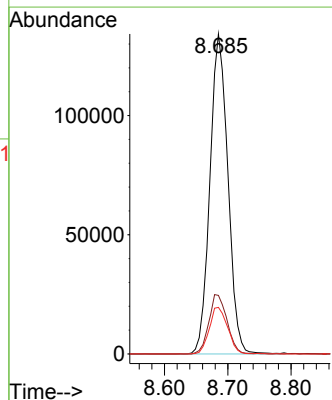
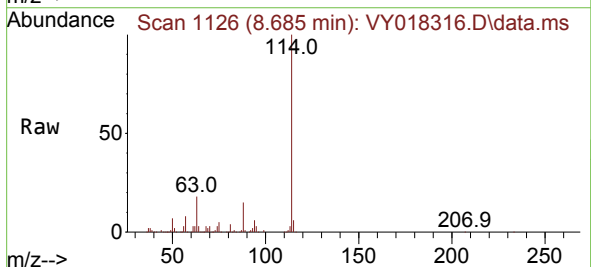
Tgt Ion: 114 Resp: 264804

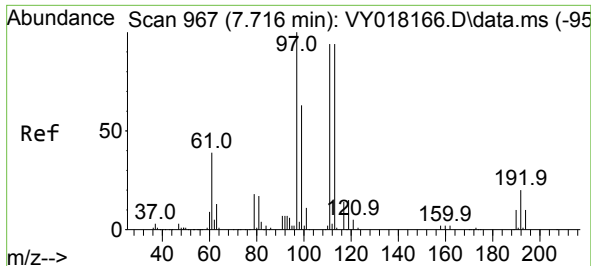
Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 14.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 57.039 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY018316.D

Acq: 17 May 2024 18:21

Instrument :

MSVOA_Y

ClientSampleId :

WCS-TPK

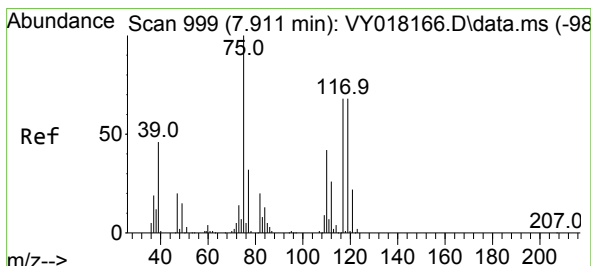
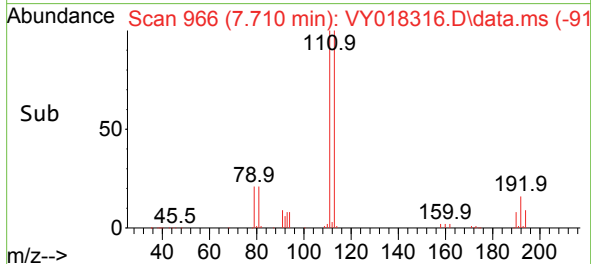
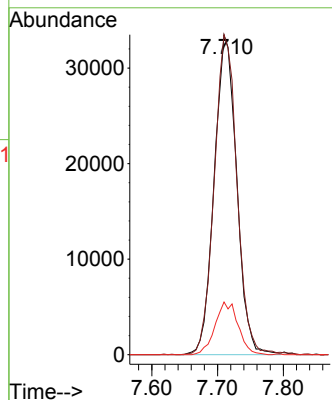
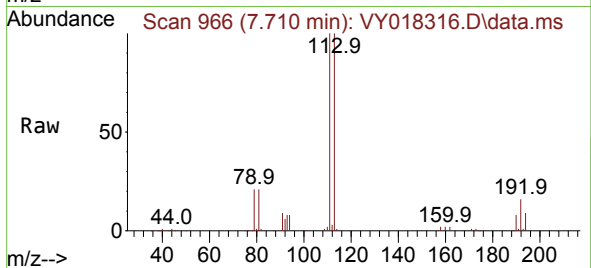
Tgt Ion:113 Resp: 79380

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 17.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.664 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.128 min

Lab File: VY018316.D

Acq: 17 May 2024 18:21

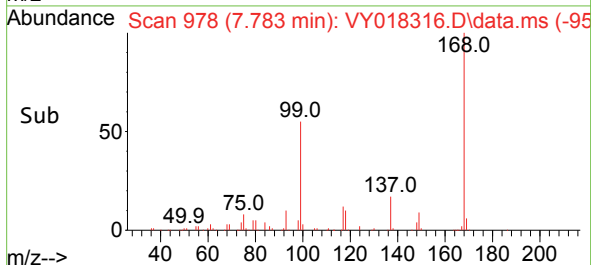
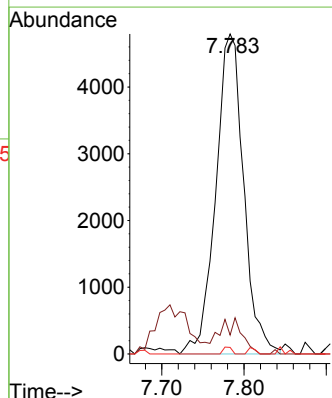
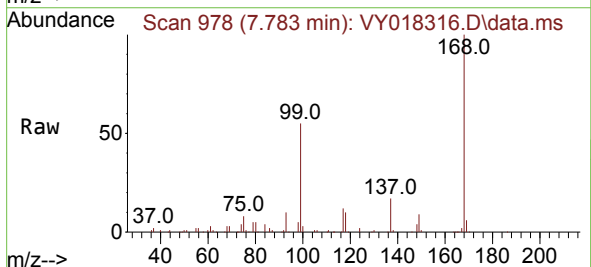
Tgt Ion: 75 Resp: 11300

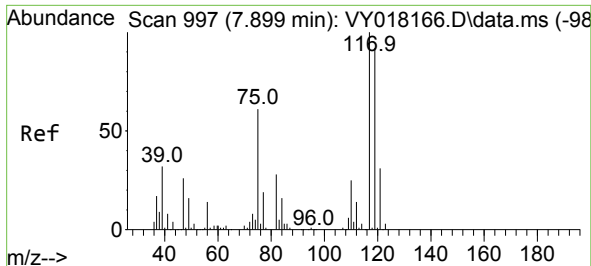
Ion Ratio Lower Upper

75 100

110 2.5 19.0 57.0#

77 0.6 25.3 37.9#

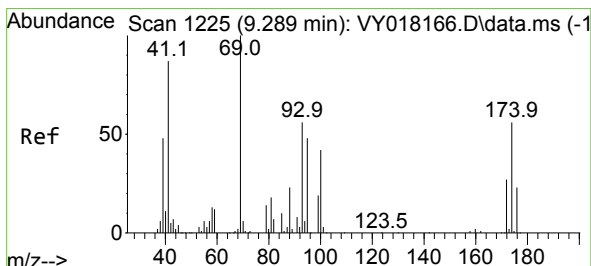
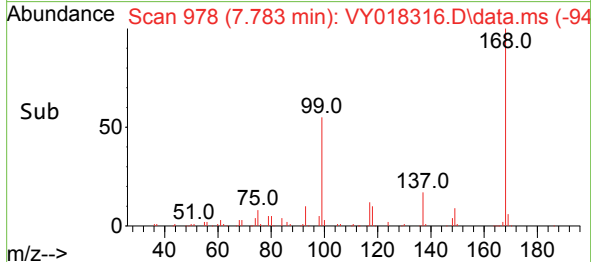
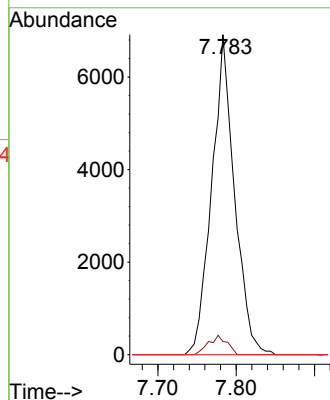
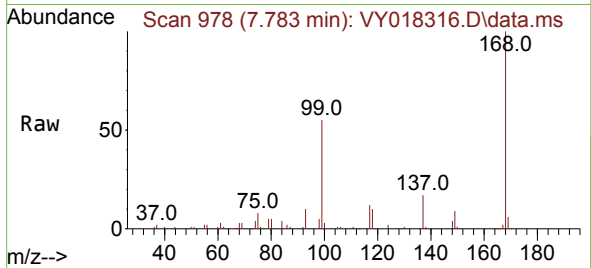




#38
Carbon Tetrachloride
Concen: 6.402 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

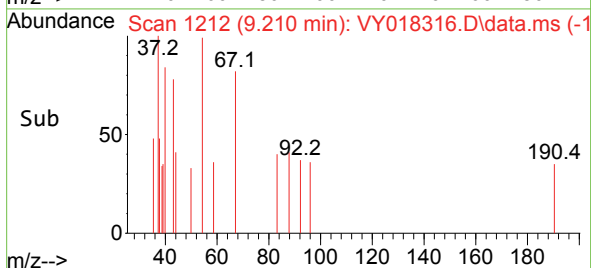
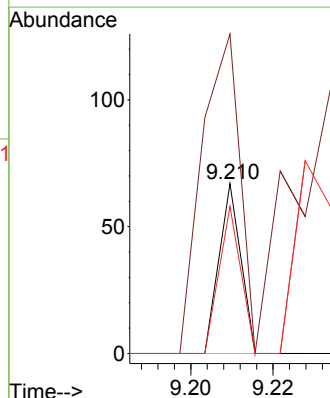
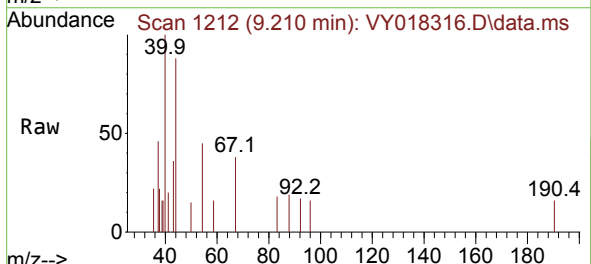
Instrument :
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ClientSampleId :
WCS-TPK

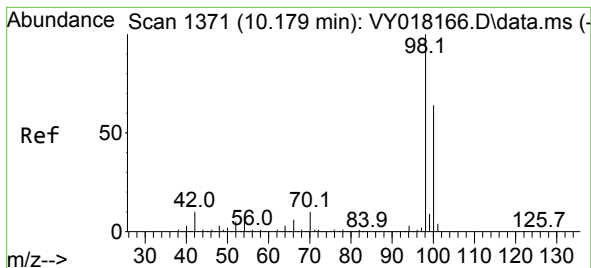
Tgt Ion:117 Resp: 13956
Ion Ratio Lower Upper
117 100
119 4.1 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 2.335 ug/l
RT: 9.210 min Scan# 1212
Delta R.T. -0.079 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 320.0 0.0 0.0#
58 84.0 49.3 73.9#

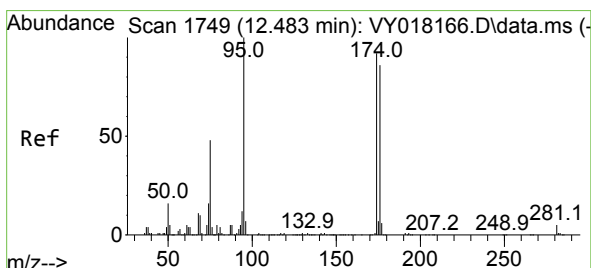
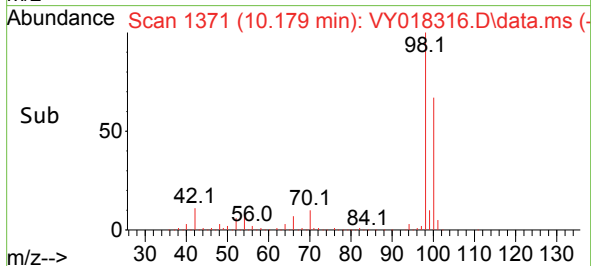
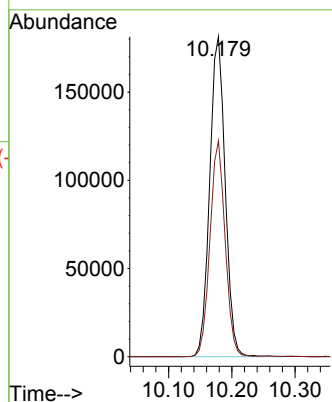
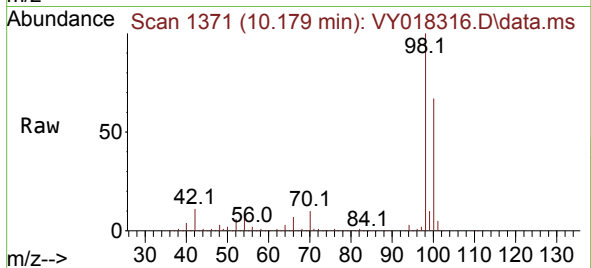




#50
Toluene-d8
Concen: 56.327 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

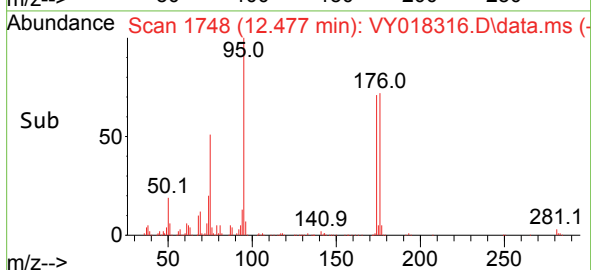
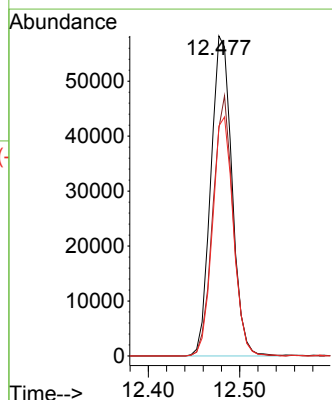
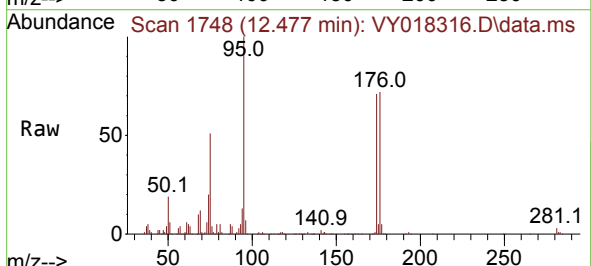
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPK

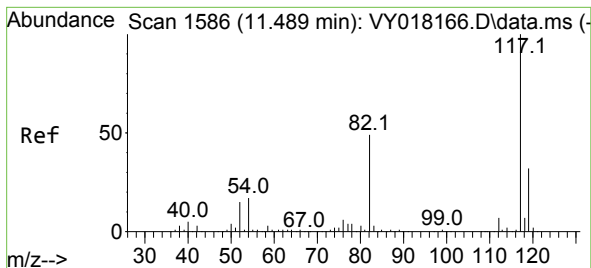
Tgt Ion: 98 Resp: 308902
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 52.806 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

Tgt Ion: 95 Resp: 93520
Ion Ratio Lower Upper
95 100
174 77.5 0.0 175.6
176 73.8 0.0 171.4

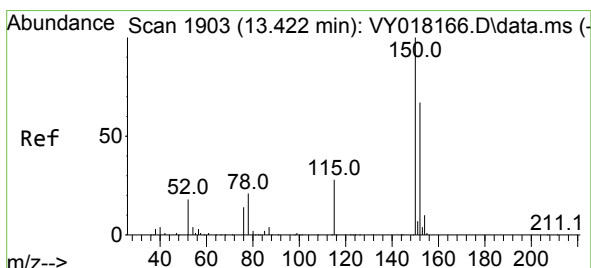
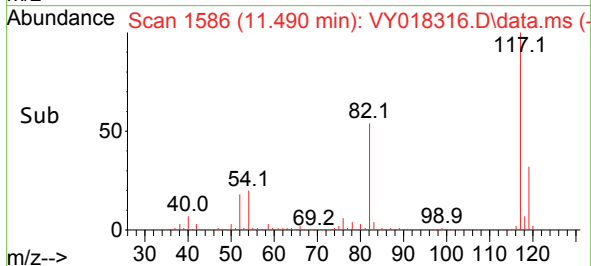
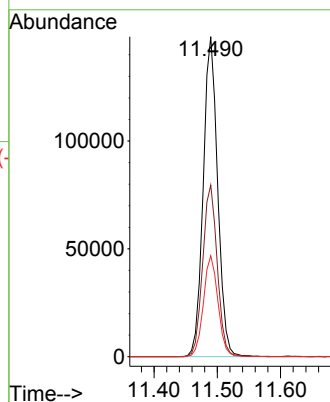
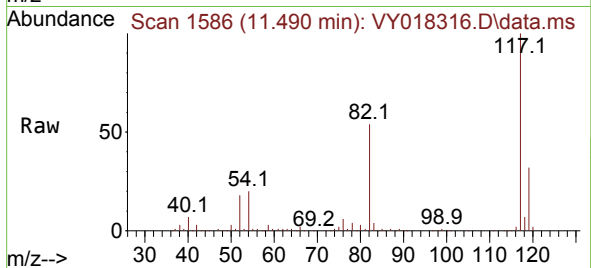




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

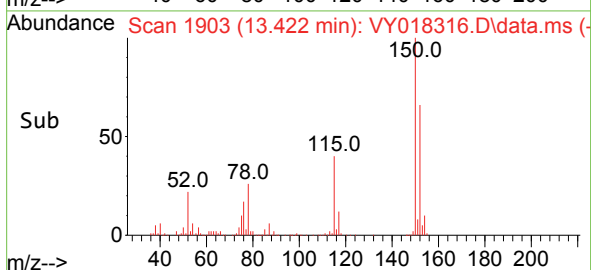
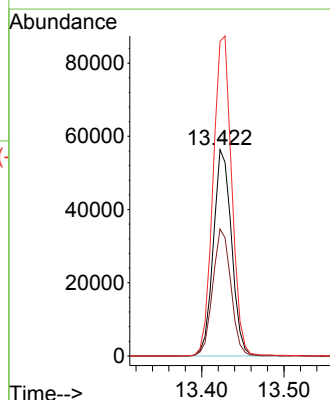
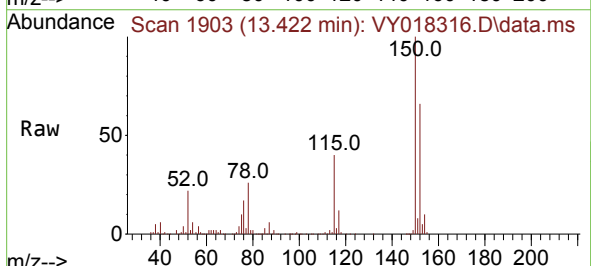
Instrument :
MSVOA_Y
ClientSampleId :
WCS-TPK

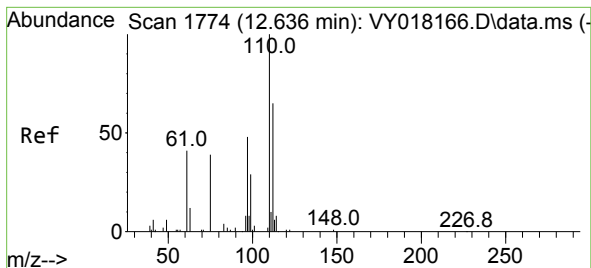
Tgt Ion:117 Resp: 236469
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 31.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018316.D
Acq: 17 May 2024 18:21

Tgt Ion:152 Resp: 86556
Ion Ratio Lower Upper
152 100
115 61.3 28.2 84.7
150 158.9 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 68.994 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY018316.D

Acq: 17 May 2024 18:21

Instrument :

MSVOA_Y

ClientSampleId :

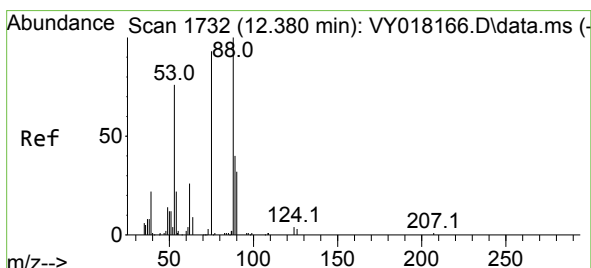
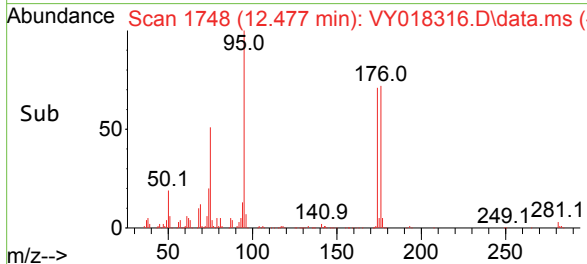
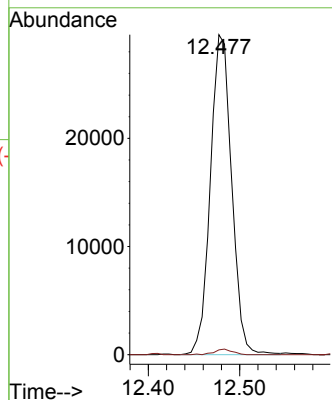
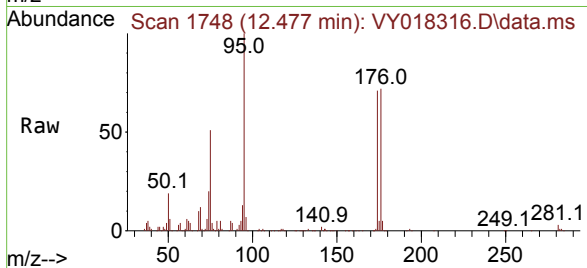
WCS-TPK

Tgt Ion: 75 Resp: 47801

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.929 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY018316.D

Acq: 17 May 2024 18:21

Tgt Ion: 75 Resp: 47801

Ion Ratio Lower Upper

75 100

53 0.1 66.8 100.2#

89 0.1 35.8 53.6#

