

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015247.D
 Acq On : 22 Aug 2023 16:15
 Operator : SY/MD
 Sample : 04082-09
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 362

Quant Time: Aug 23 00:50:07 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)

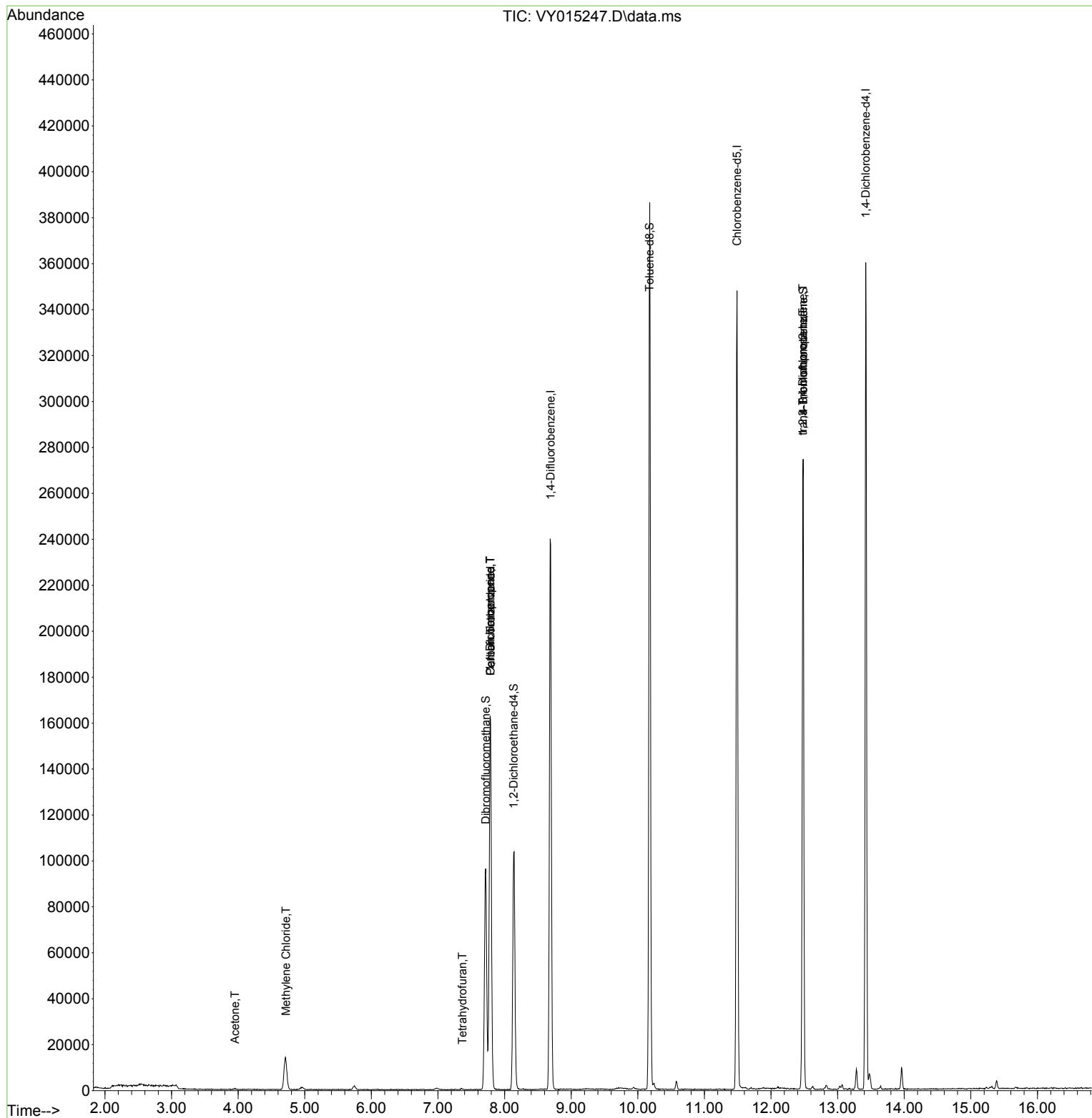
Internal Standards						
1) Pentafluorobenzene	7.789	168	127525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	212944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	188595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	90961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	83620	54.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.240%	
35) Dibromofluoromethane	7.715	113	66900	48.834	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.660%	
50) Toluene-d8	10.178	98	248553	48.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.483	95	81343	43.670	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	199	Below Cal	#	43
5) Bromomethane	2.637	94	52	Below Cal	#	2
11) Tert butyl alcohol	4.960	59	2121	Below Cal	#	91
16) Acetone	3.954	43	505	1.010	ug/l	97
20) Methylene Chloride	4.716	84	10227	4.607	ug/l #	85
29) Tetrahydrofuran	7.368	42	446	1.053	ug/l #	68
31) Cyclohexane	7.782	56	2676	Below Cal	#	1
36) 1,1-Dichloropropene	7.782	75	9657	6.372	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12562	7.003	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	43535	39.394	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43535	86.529	ug/l #	11

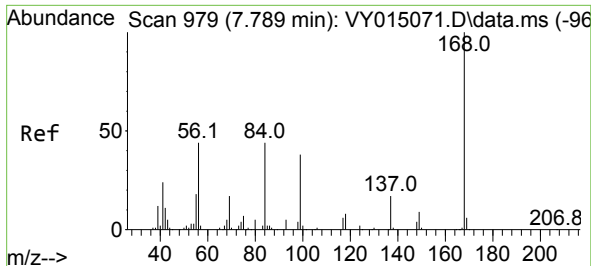
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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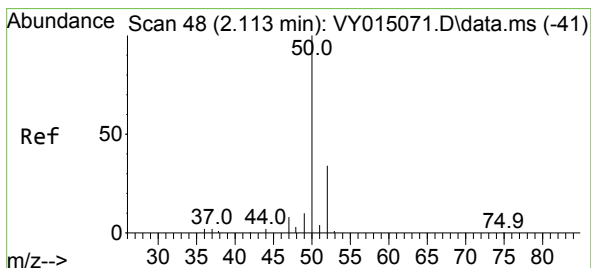
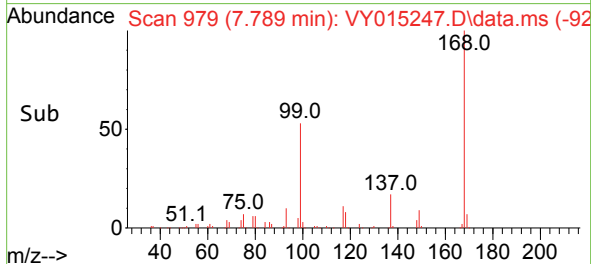
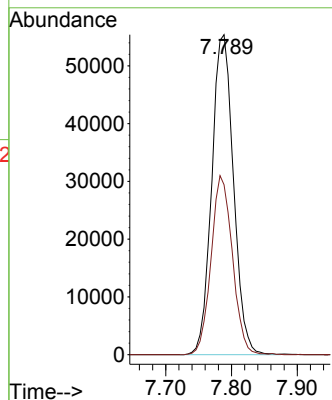
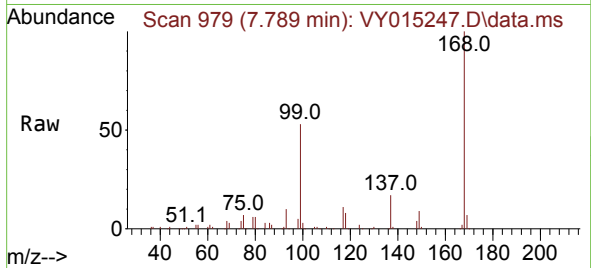




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

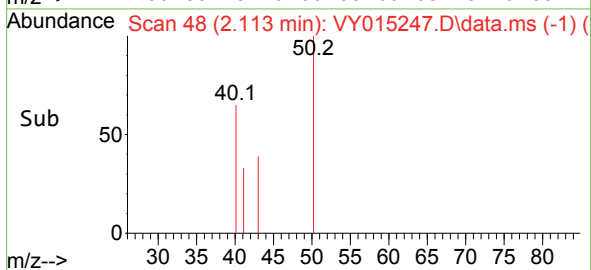
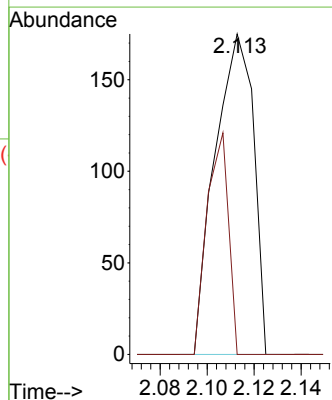
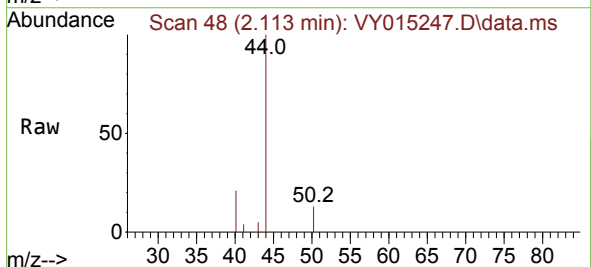
Instrument :
MSVOA_Y
ClientSampleId :
362

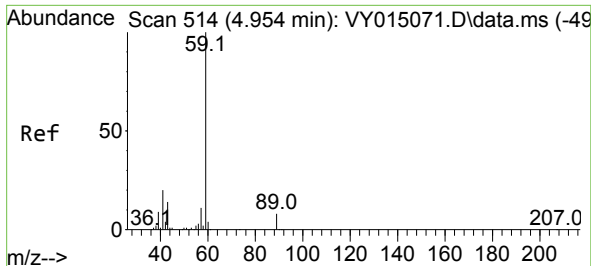
Tgt Ion:168 Resp: 127525
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

Tgt Ion: 50 Resp: 199
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

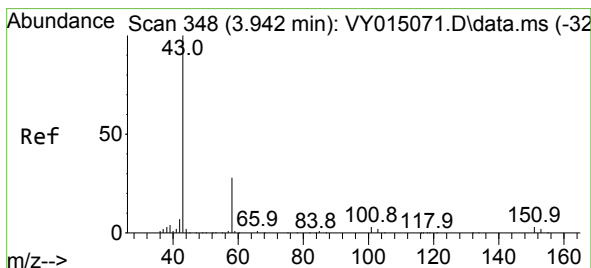
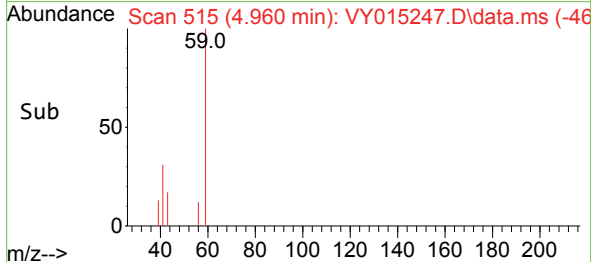
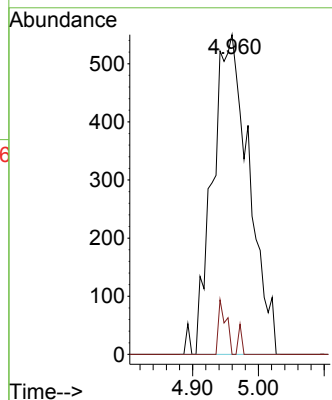
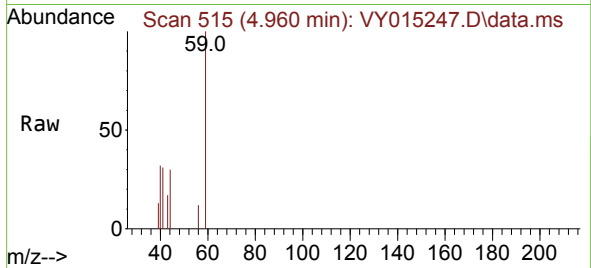




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

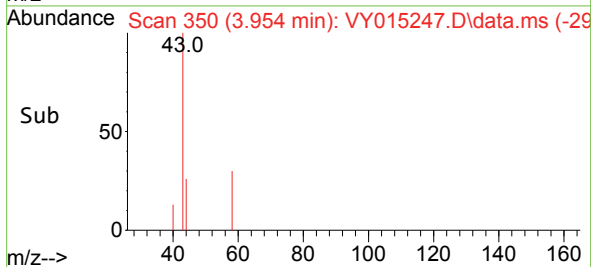
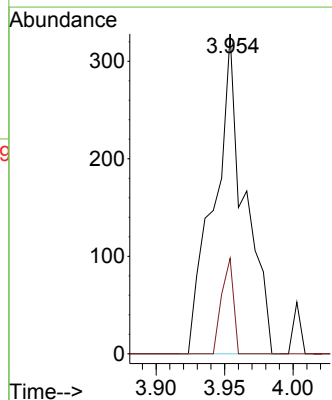
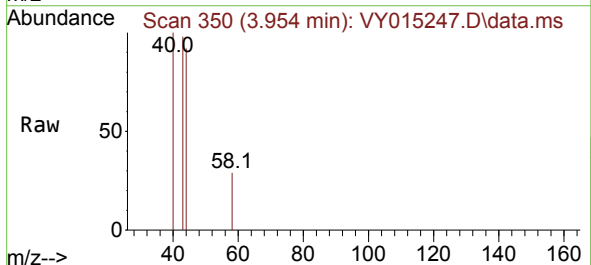
Instrument :
MSVOA_Y
ClientSampleId :
362

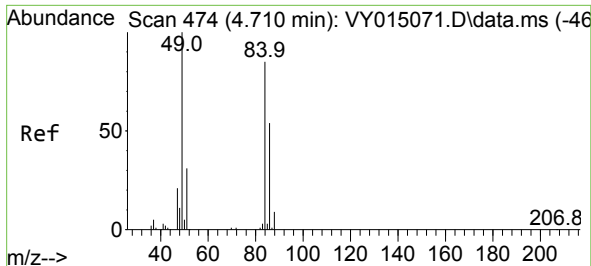
Tgt Ion: 59 Resp: 2121
Ion Ratio Lower Upper
59 100
57 0.9 3.0 4.4#



#16
Acetone
Concen: 1.010 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

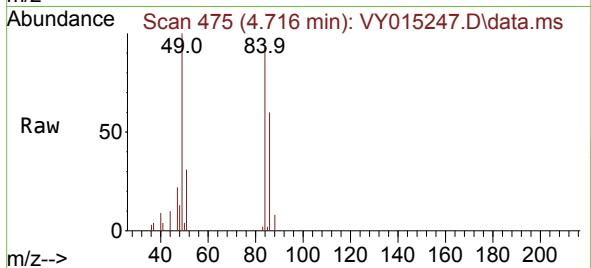
Tgt Ion: 43 Resp: 505
Ion Ratio Lower Upper
43 100
58 29.9 22.7 34.1



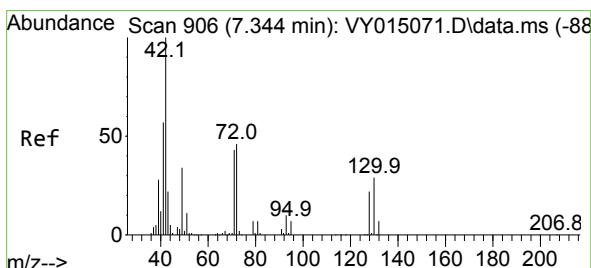
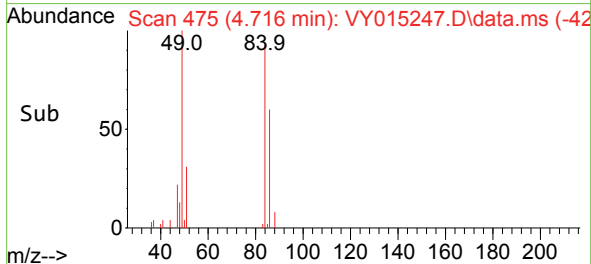
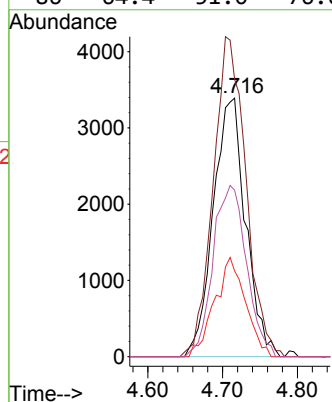


#20
Methylene Chloride
Concen: 4.607 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

Instrument :
MSVOA_Y
ClientSampleId :
362

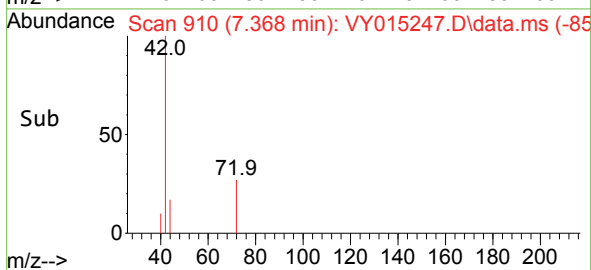
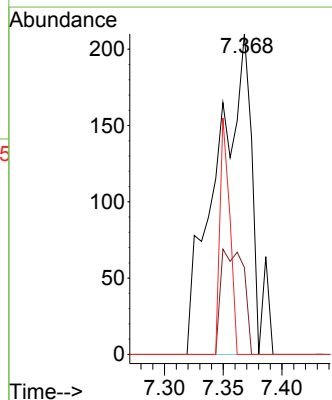
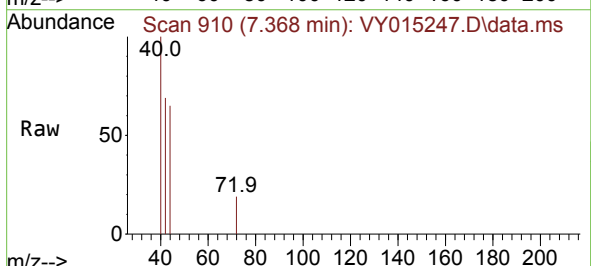


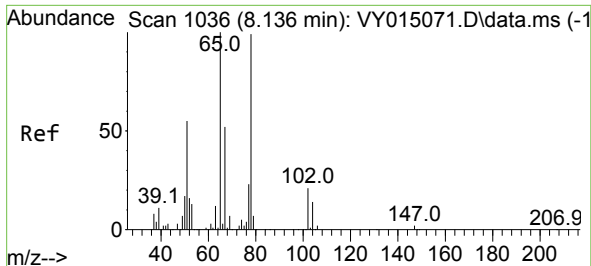
Tgt Ion: 84 Resp: 10227
Ion Ratio Lower Upper
84 100
49 107.3 106.9 160.3
51 33.2 33.2 49.8#
86 64.4 51.0 76.6



#29
Tetrahydrofuran
Concen: 1.053 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.024 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

Tgt Ion: 42 Resp: 446
Ion Ratio Lower Upper
42 100
72 20.9 32.8 49.2#
71 20.0 31.0 46.4#





#33

1,2-Dichloroethane-d4

Concen: 54.624 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY015247.D

Acq: 22 Aug 2023 16:15

Instrument :

MSVOA_Y

ClientSampleId :

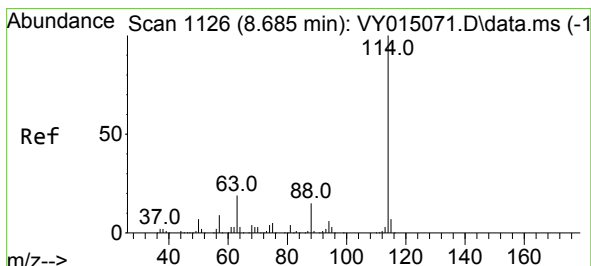
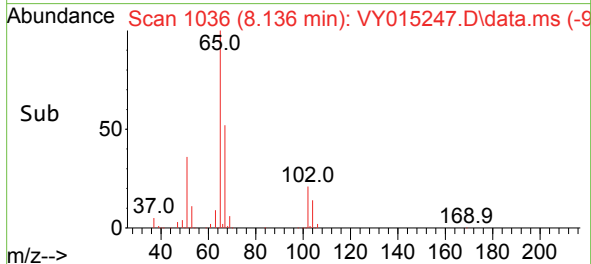
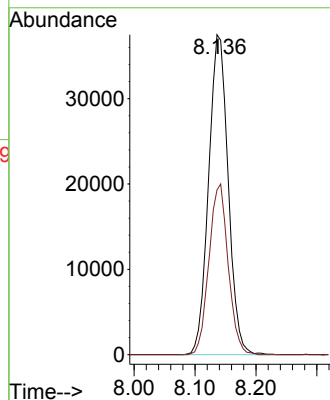
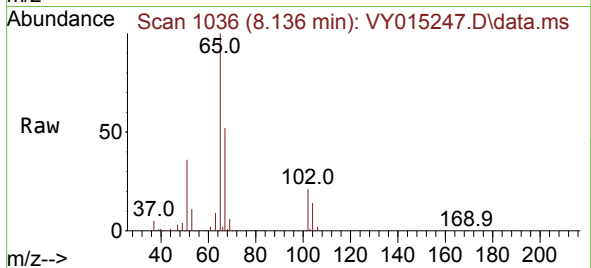
362

Tgt Ion: 65 Resp: 83620

Ion Ratio Lower Upper

65 100

67 52.4 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: VY015247.D

Acq: 22 Aug 2023 16:15

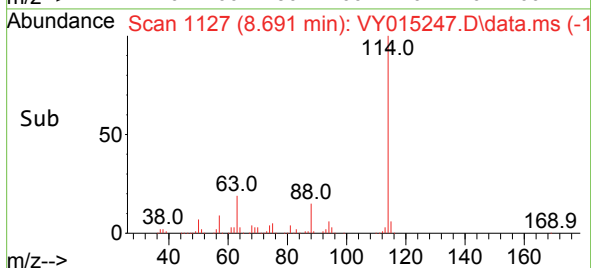
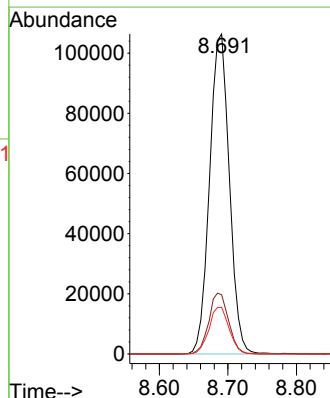
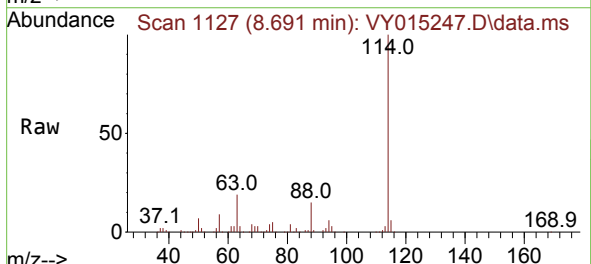
Tgt Ion: 114 Resp: 212944

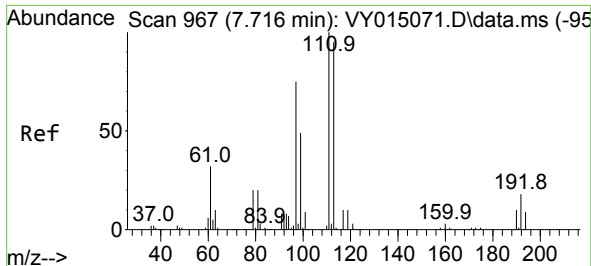
Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.4

88 14.6 0.0 30.6

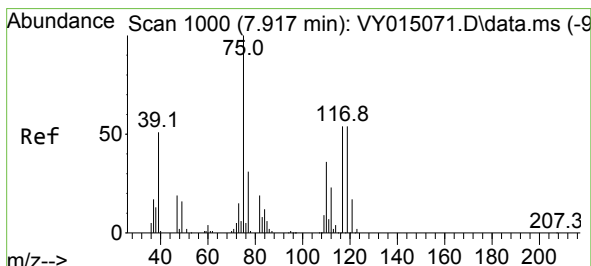
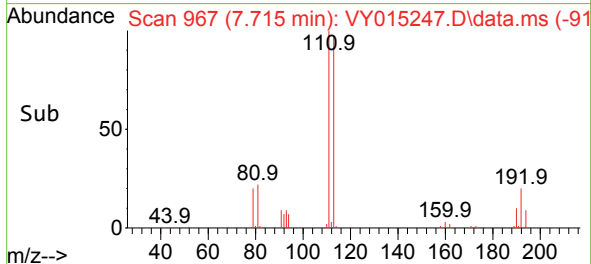
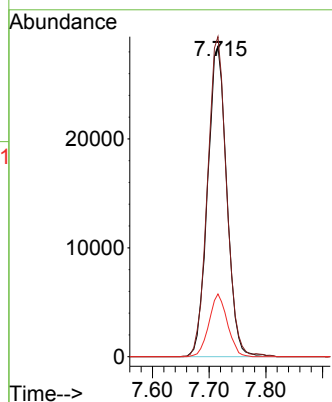
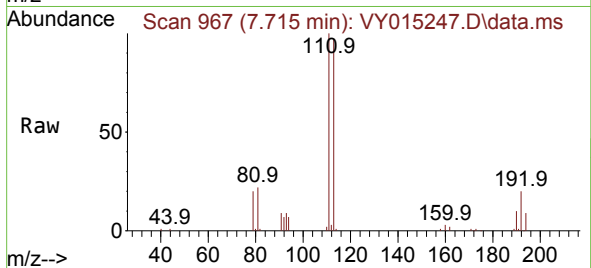




#35
Dibromofluoromethane
Concen: 48.834 ug/l
RT: 7.715 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

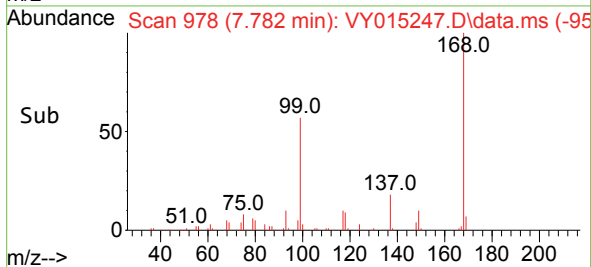
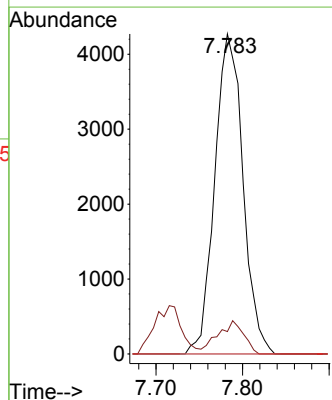
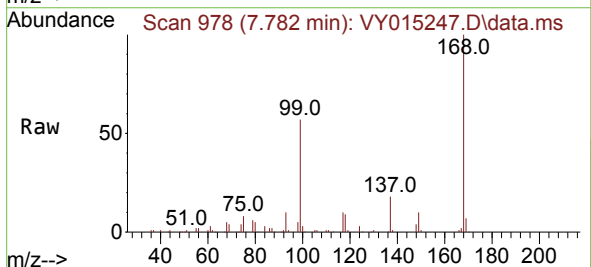
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ClientSampleId :
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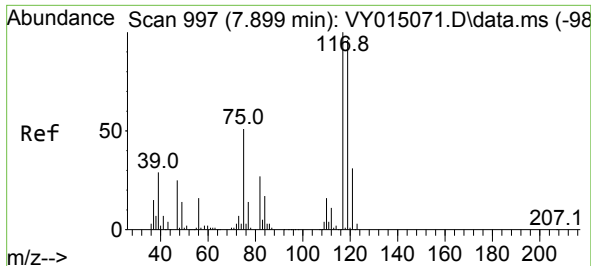
Tgt Ion:113 Resp: 66900
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.372 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

Tgt Ion: 75 Resp: 9657
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#

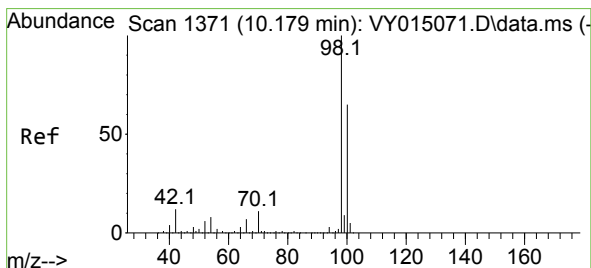
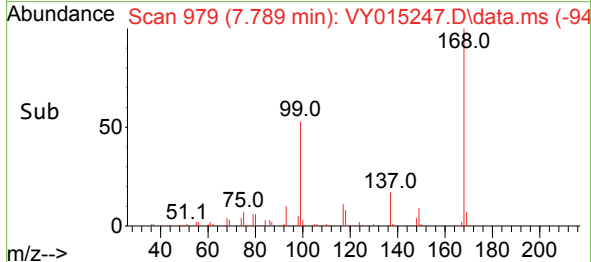
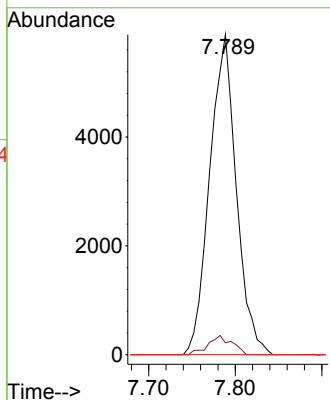
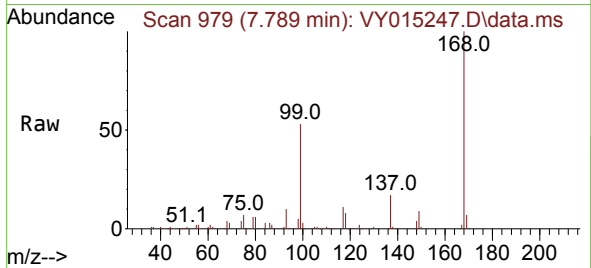




#38
Carbon Tetrachloride
Concen: 7.003 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

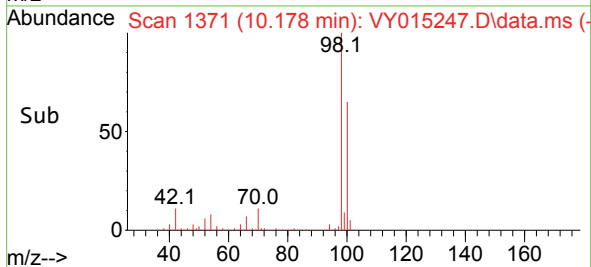
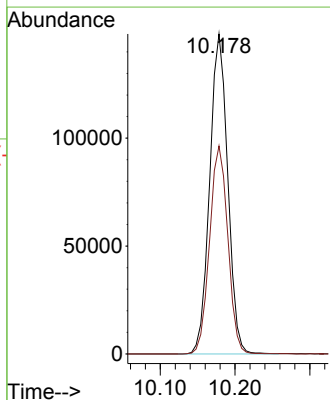
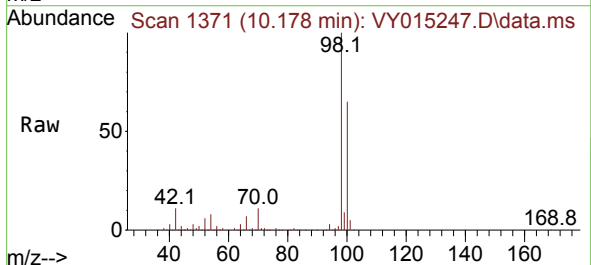
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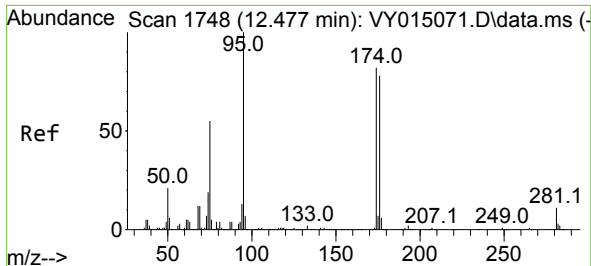
Tgt Ion:117 Resp: 12562
Ion Ratio Lower Upper
117 100
119 3.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.739 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

Tgt Ion: 98 Resp: 248553
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

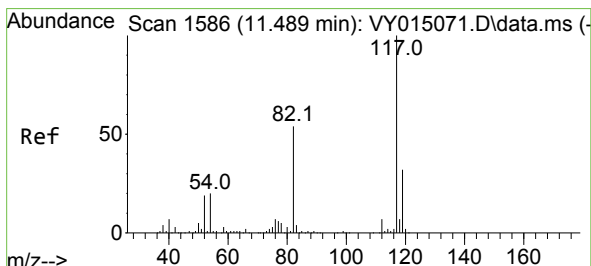
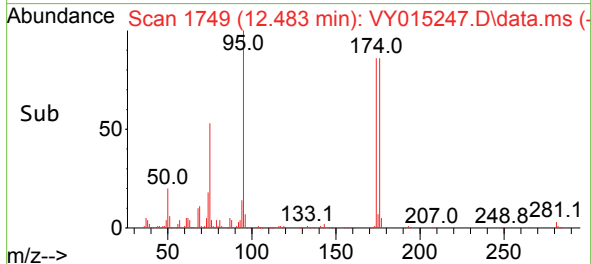
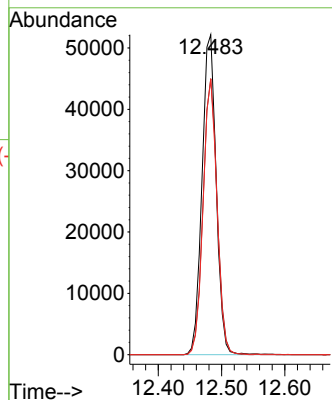
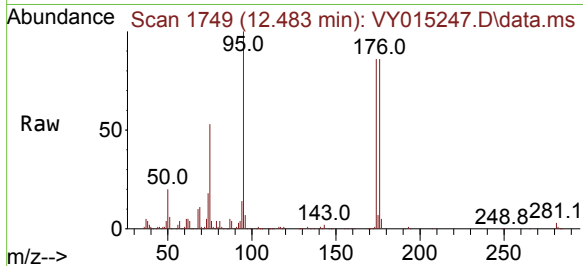




#62
4-Bromofluorobenzene
Concen: 43.670 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

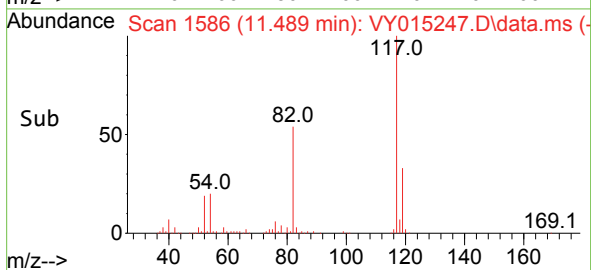
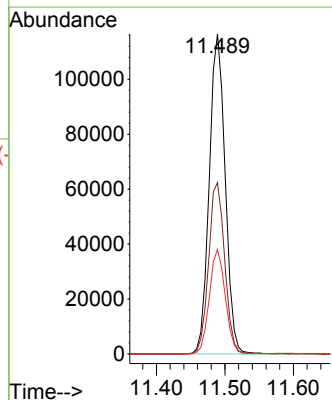
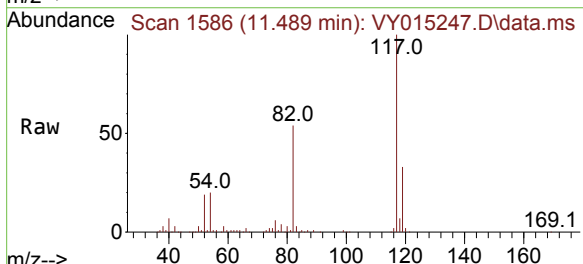
Instrument :
MSVOA_Y
ClientSampleId :
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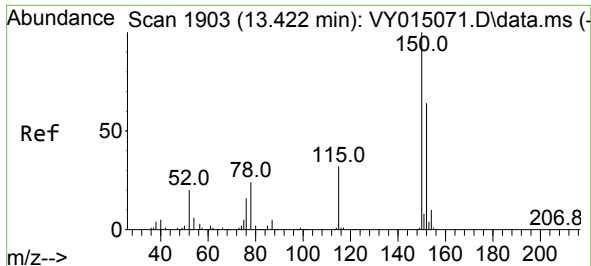
Tgt Ion: 95 Resp: 81343
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 84.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015247.D
Acq: 22 Aug 2023 16:15

Tgt Ion: 117 Resp: 188595
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.6 26.3 39.5

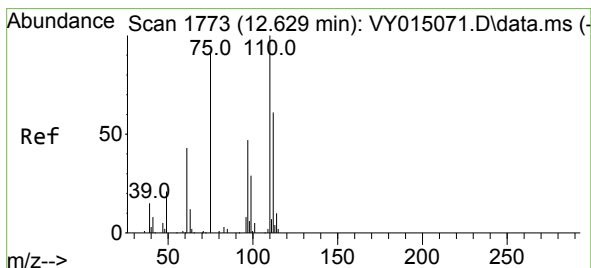
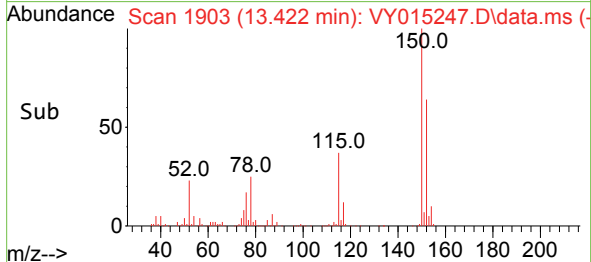
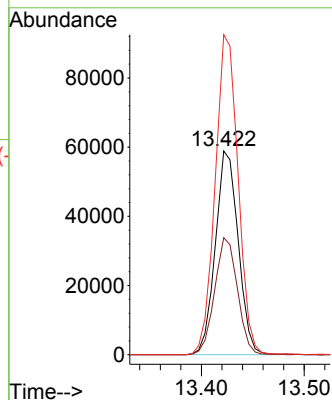
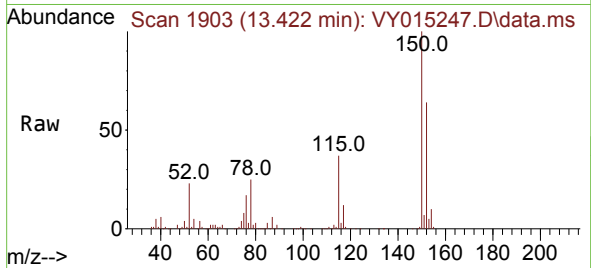




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY015247.D
 Acq: 22 Aug 2023 16:15

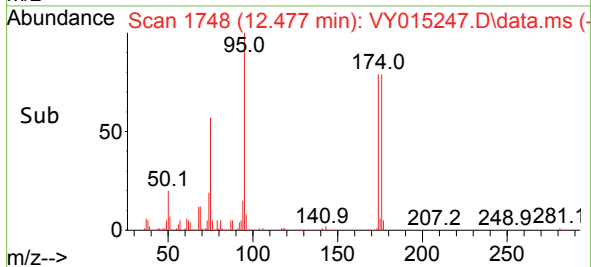
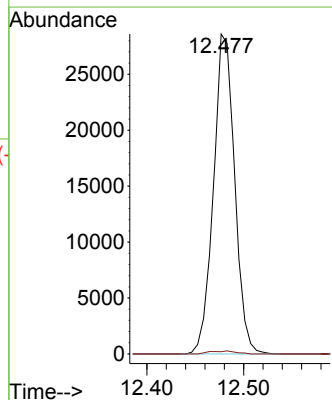
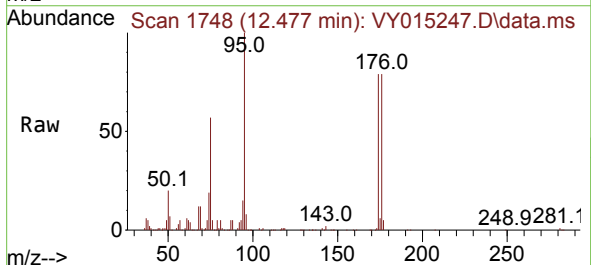
Instrument :
 MSVOA_Y
 ClientSampleId :
 362

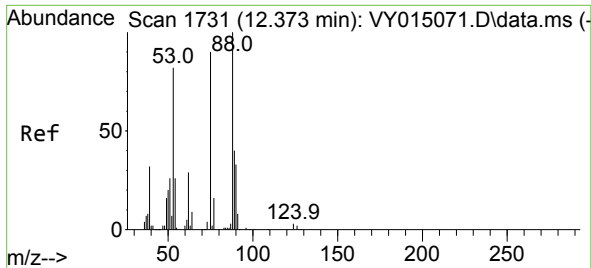
Tgt Ion:152 Resp: 90961
 Ion Ratio Lower Upper
 152 100
 115 57.3 28.8 86.5
 150 157.8 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 39.394 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY015247.D
 Acq: 22 Aug 2023 16:15

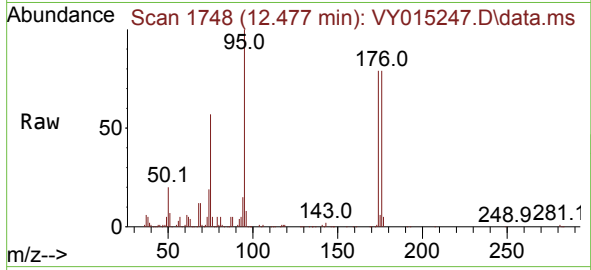
Tgt Ion: 75 Resp: 43535
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.529 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY015247.D
 Acq: 22 Aug 2023 16:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 362



Tgt Ion:	75	Resp:	43535
Ion	Ratio	Lower	Upper
75	100		
53	0.4	77.8	116.8#
89	0.0	37.4	56.0#

