

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015245.D
 Acq On : 22 Aug 2023 15:27
 Operator : SY/MD
 Sample : 04082-05
 Misc : 4.27g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11929

Quant Time: Aug 23 00:49:29 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	7.782	168	33583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	54158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	47582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	21884	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	21614	53.615	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.240%
35) Dibromofluoromethane	7.721	113	17391	49.914	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.820%
50) Toluene-d8	10.178	98	61552	47.457	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.920%
62) 4-Bromofluorobenzene	12.477	95	19662	41.505	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.000%

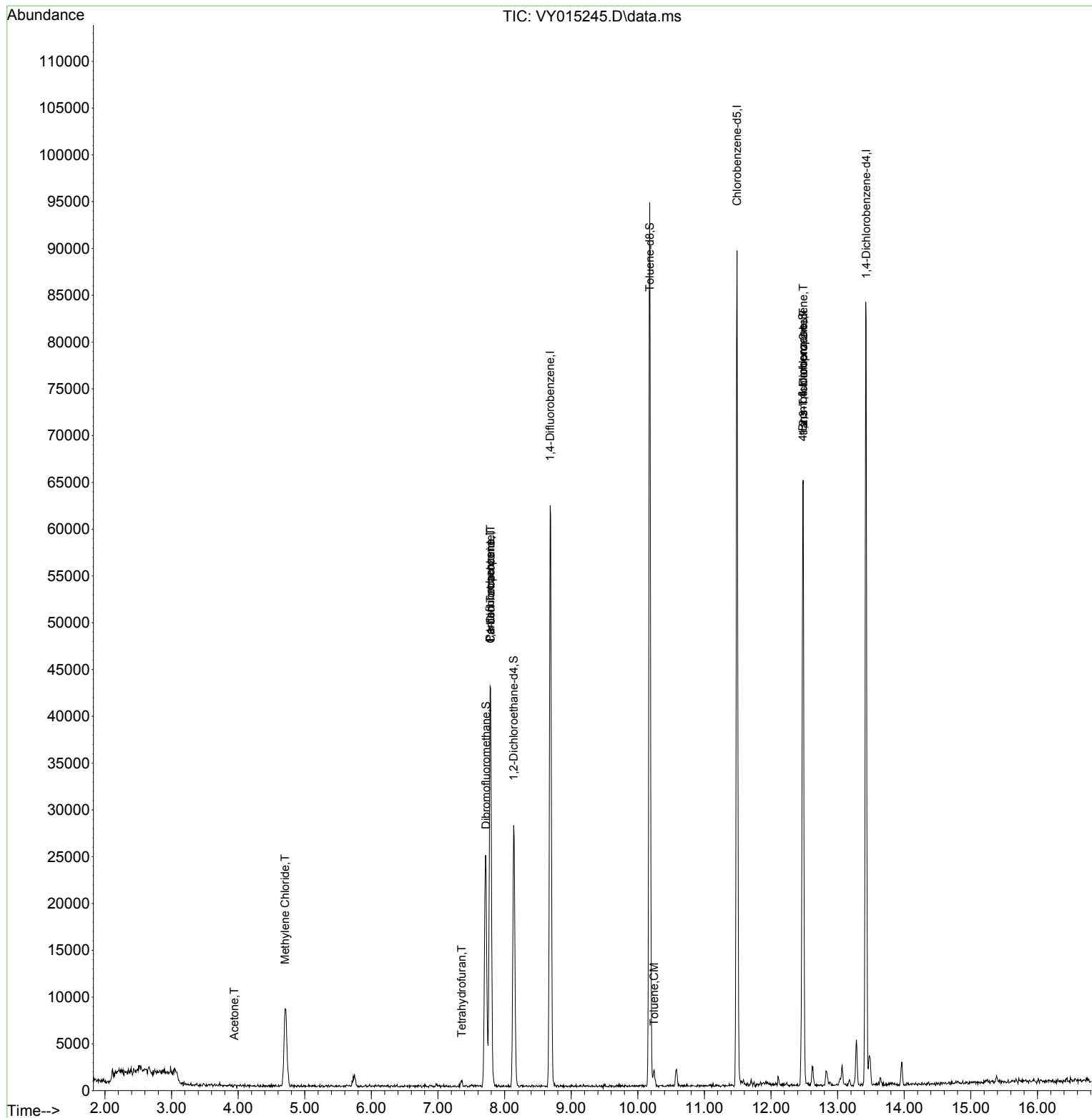
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	167	Below Cal	#	43
16) Acetone	3.942	43	193	1.465	ug/l #	46
20) Methylene Chloride	4.704	84	6394	17.436	ug/l	95
29) Tetrahydrofuran	7.356	42	407	3.650	ug/l #	77
31) Cyclohexane	7.795	56	672	Below Cal	#	18
36) 1,1-Dichloropropene	7.789	75	2792	7.243	ug/l #	48
38) Carbon Tetrachloride	7.789	117	3337	7.315	ug/l #	17
52) Toluene	10.245	92	829	1.079	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	10883	40.933	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	10883	89.908	ug/l #	10

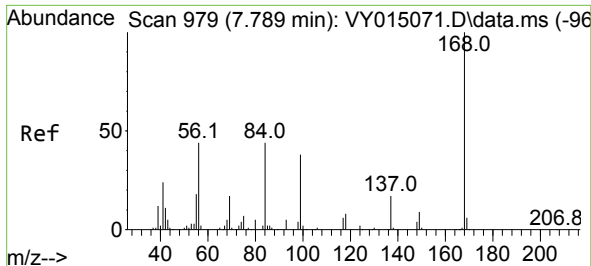
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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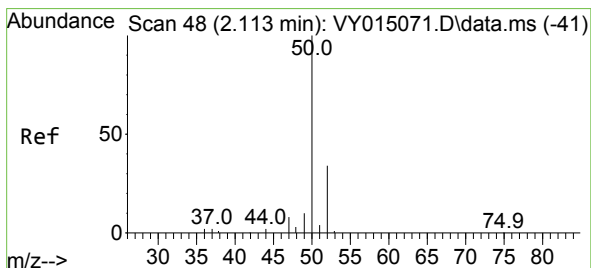
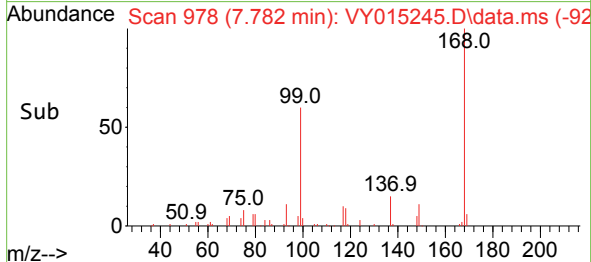
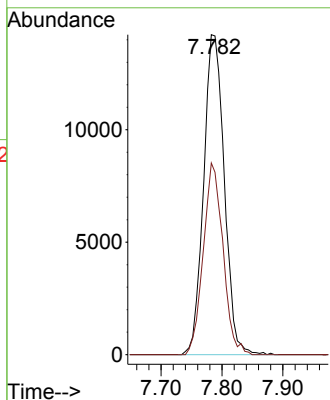
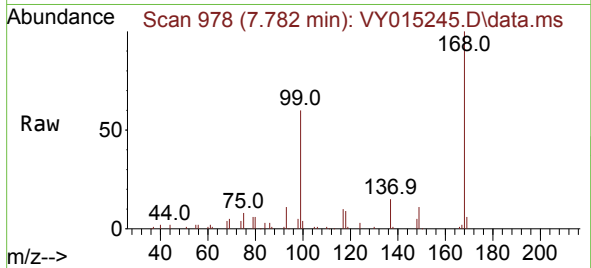




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY015245.D
Acq: 22 Aug 2023 15:27

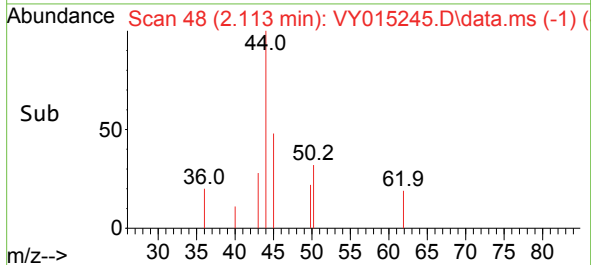
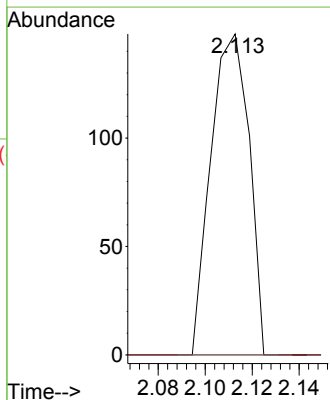
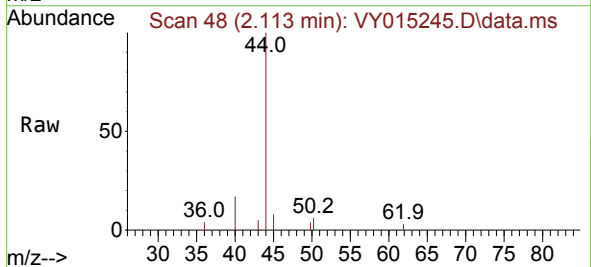
Instrument :
MSVOA_Y
ClientSampleId :
72-11929

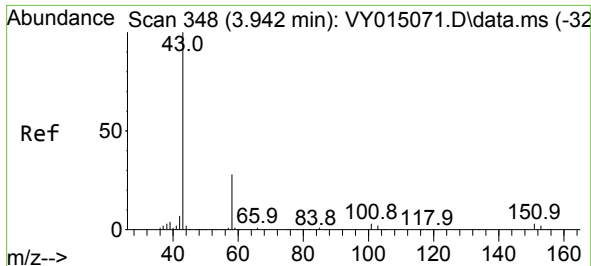
Tgt Ion:168 Resp: 33583
Ion Ratio Lower Upper
168 100
99 59.9 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015245.D
Acq: 22 Aug 2023 15:27

Tgt Ion: 50 Resp: 167
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#16

Acetone

Concen: 1.465 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY015245.D

Acq: 22 Aug 2023 15:27

Instrument :

MSVOA_Y

ClientSampleId :

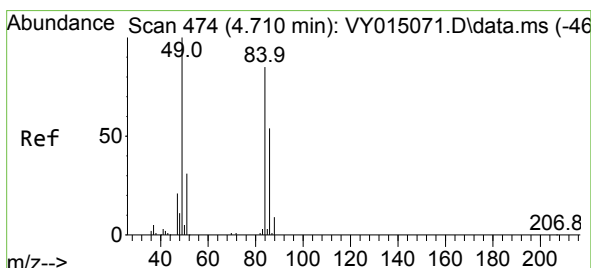
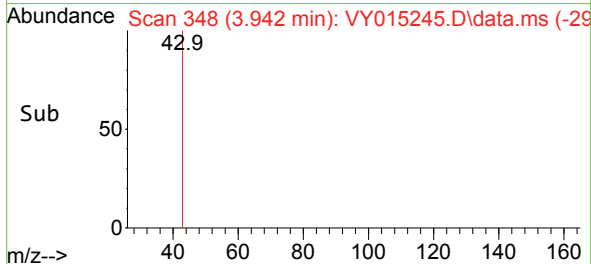
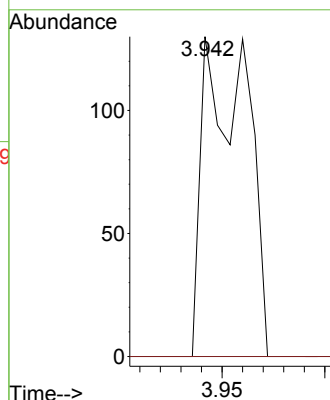
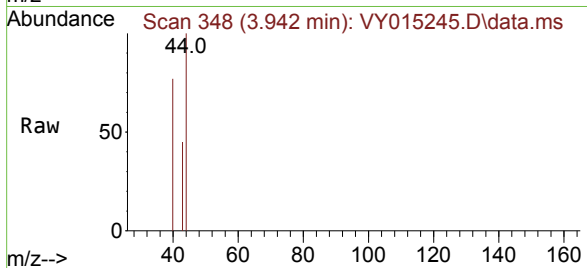
72-11929

Tgt Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

58 0.0 22.7 34.1#



#20

Methylene Chloride

Concen: 17.436 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY015245.D

Acq: 22 Aug 2023 15:27

Tgt Ion: 84 Resp: 6394

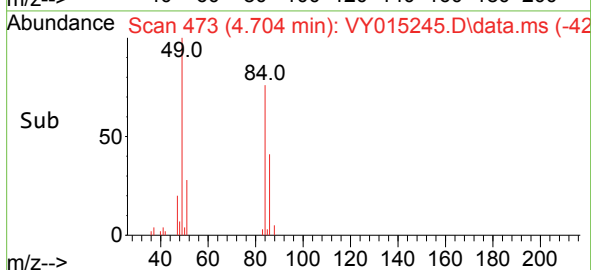
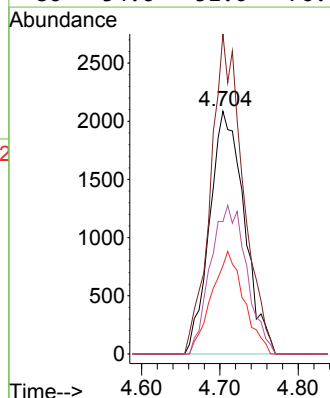
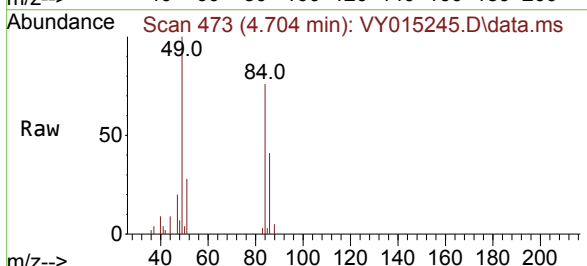
Ion Ratio Lower Upper

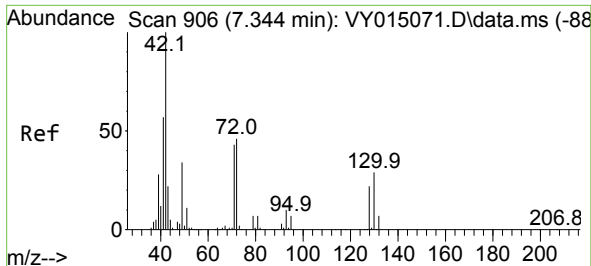
84 100

49 131.9 106.9 160.3

51 36.3 33.2 49.8

86 54.6 51.0 76.6





#29

Tetrahydrofuran

Concen: 3.650 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY015245.D

Acq: 22 Aug 2023 15:27

Instrument :

MSVOA_Y

ClientSampleId :

72-11929

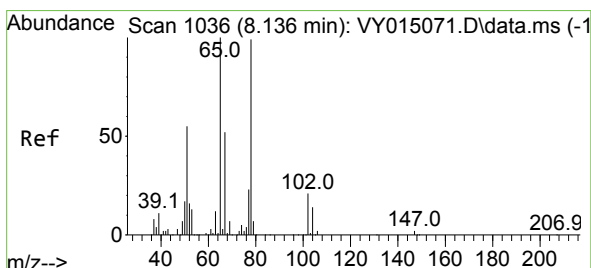
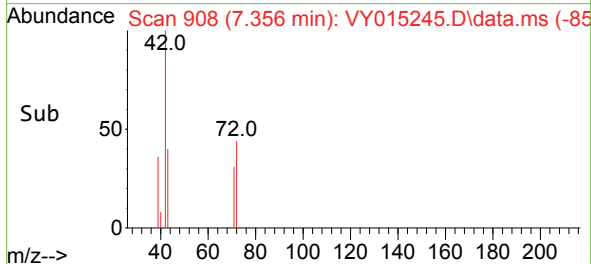
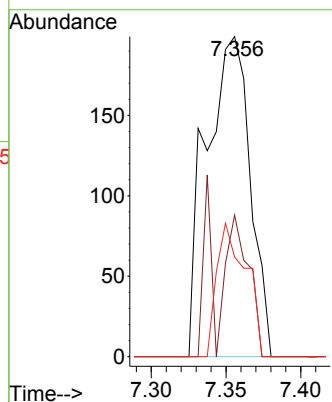
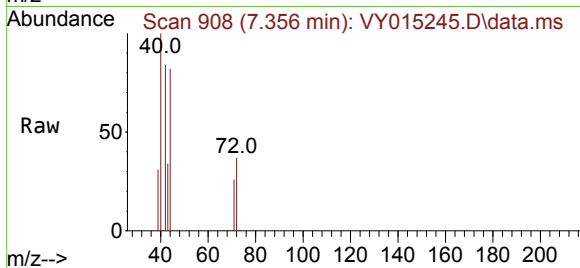
Tgt Ion: 42 Resp: 407

Ion Ratio Lower Upper

42 100

72 23.3 32.8 49.2#

71 27.8 31.0 46.4#



#33

1,2-Dichloroethane-d4

Concen: 53.615 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015245.D

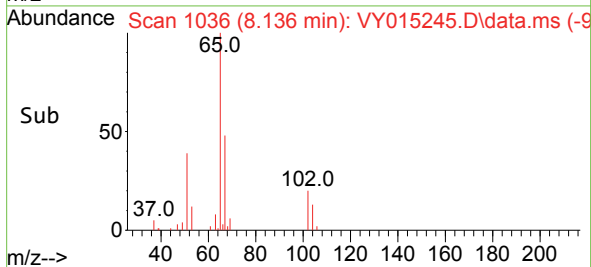
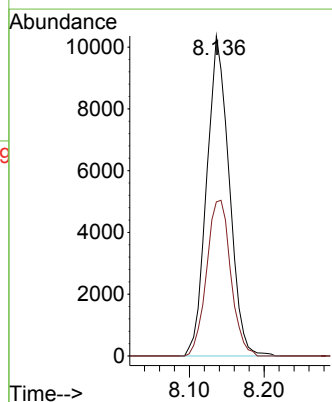
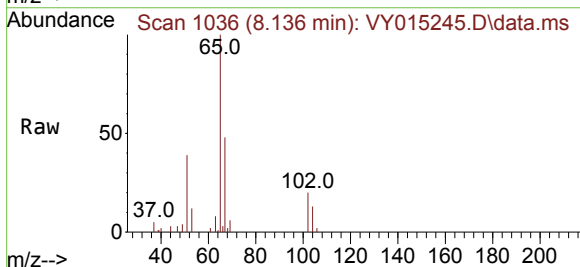
Acq: 22 Aug 2023 15:27

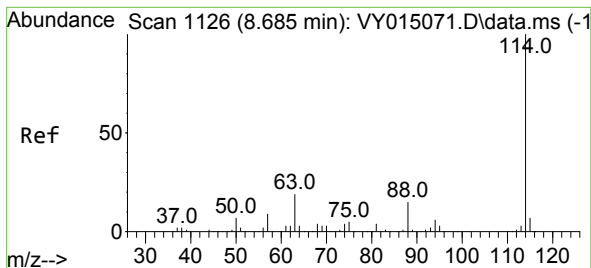
Tgt Ion: 65 Resp: 21614

Ion Ratio Lower Upper

65 100

67 52.2 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: VY015245.D

Acq: 22 Aug 2023 15:27

Instrument :

MSVOA_Y

ClientSampleId :

72-11929

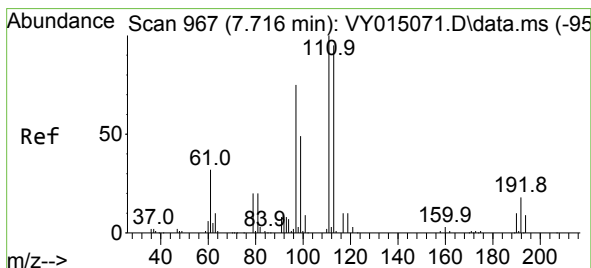
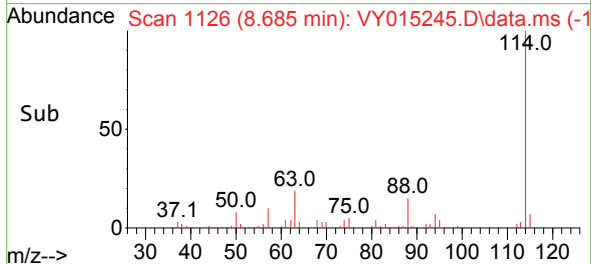
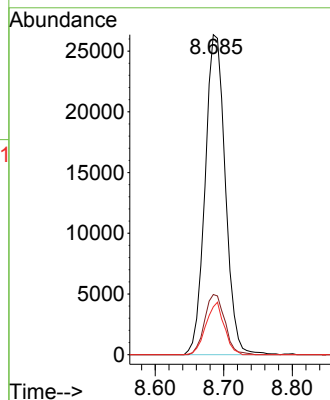
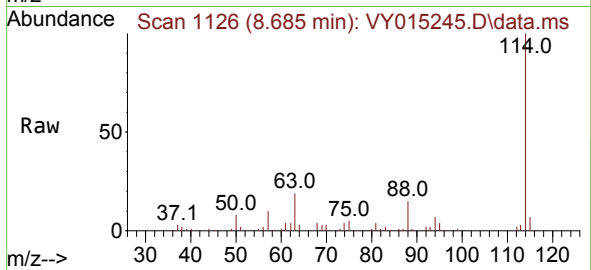
Tgt Ion:114 Resp: 54158

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.914 ug/l

RT: 7.721 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY015245.D

Acq: 22 Aug 2023 15:27

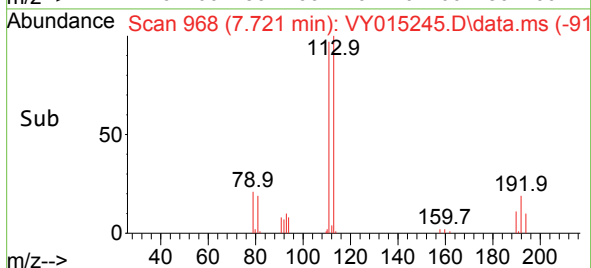
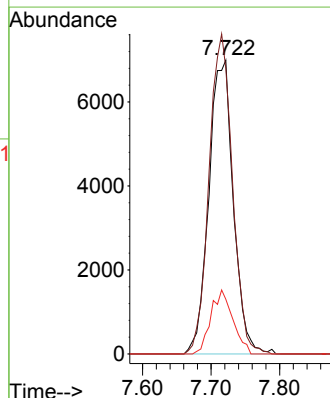
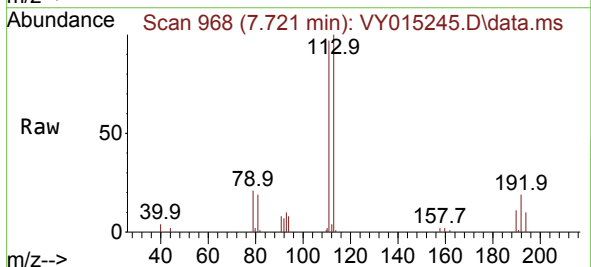
Tgt Ion:113 Resp: 17391

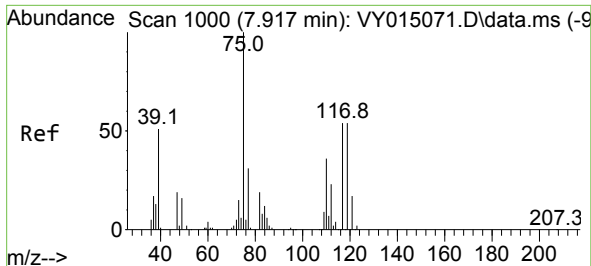
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 19.5 16.9 25.3

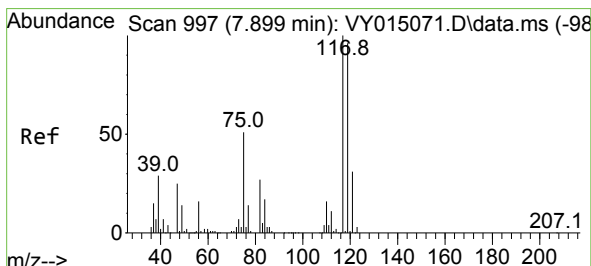
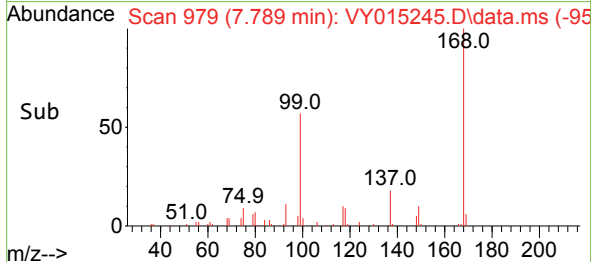
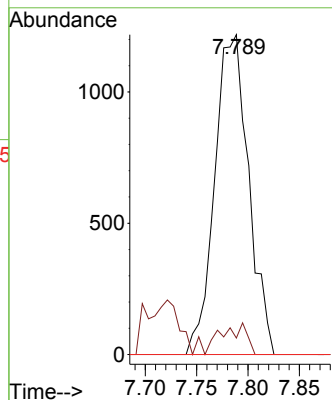
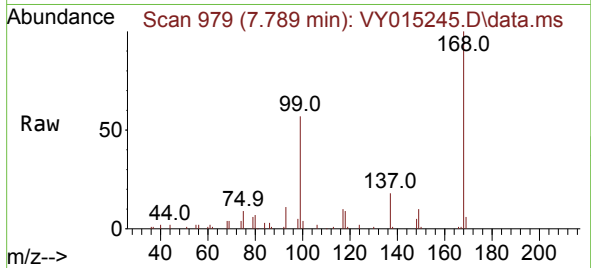




#36
1,1-Dichloropropene
Concen: 7.243 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015245.D
Acq: 22 Aug 2023 15:27

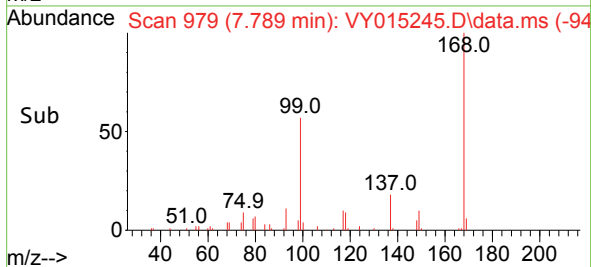
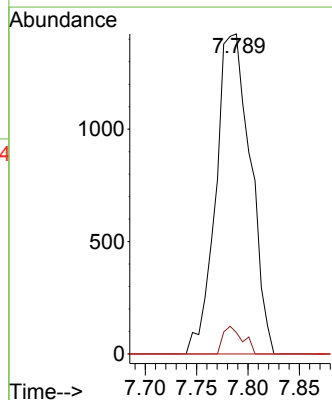
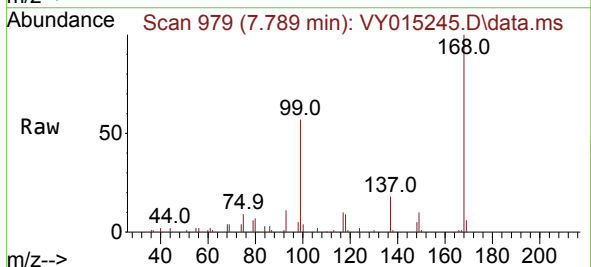
Instrument :
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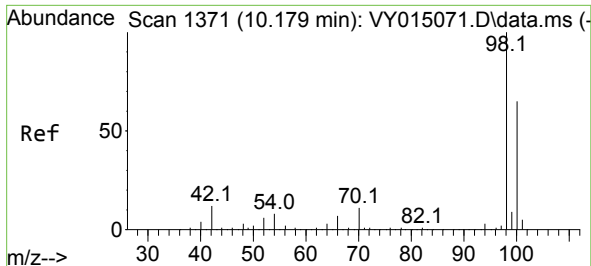
Tgt Ion: 75 Resp: 2792
Ion Ratio Lower Upper
75 100
110 7.4 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 7.315 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY015245.D
Acq: 22 Aug 2023 15:27

Tgt Ion: 117 Resp: 3337
Ion Ratio Lower Upper
117 100
119 6.7 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 47.457 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015245.D

Acq: 22 Aug 2023 15:27

Instrument :

MSVOA_Y

ClientSampleId :

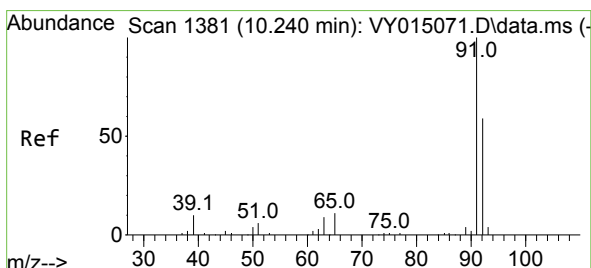
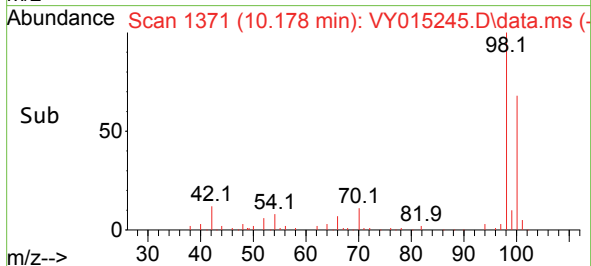
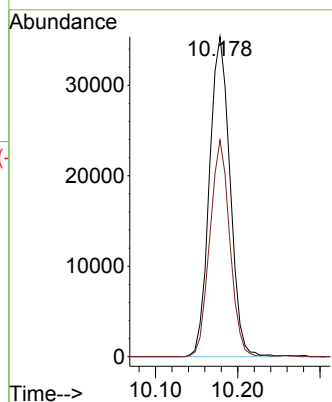
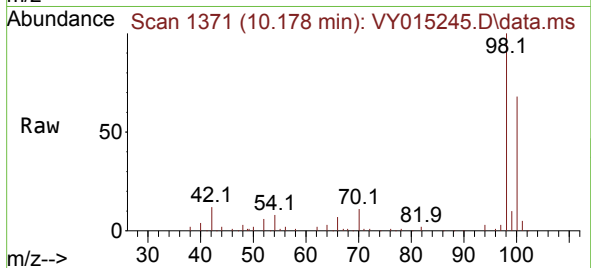
72-11929

Tgt Ion: 98 Resp: 61552

Ion Ratio Lower Upper

98 100

100 65.7 50.1 75.1



#52

Toluene

Concen: 1.079 ug/l

RT: 10.245 min Scan# 1382

Delta R.T. 0.006 min

Lab File: VY015245.D

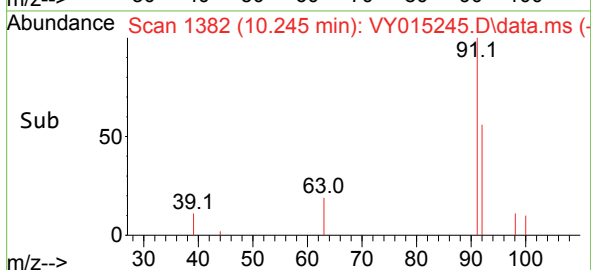
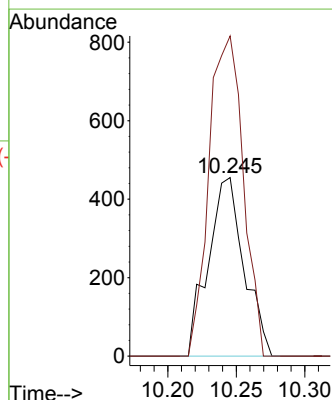
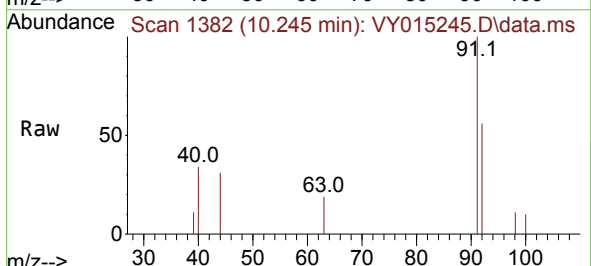
Acq: 22 Aug 2023 15:27

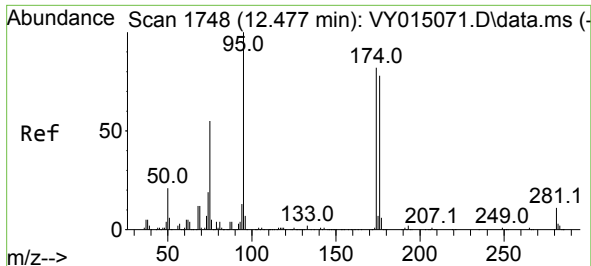
Tgt Ion: 92 Resp: 829

Ion Ratio Lower Upper

92 100

91 171.5 143.8 215.6

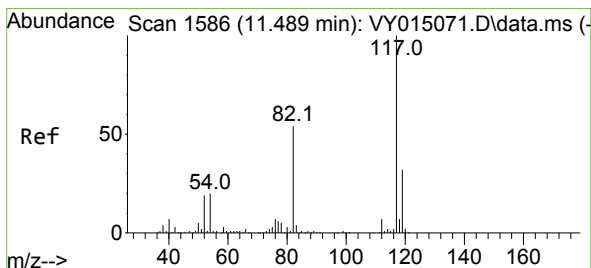
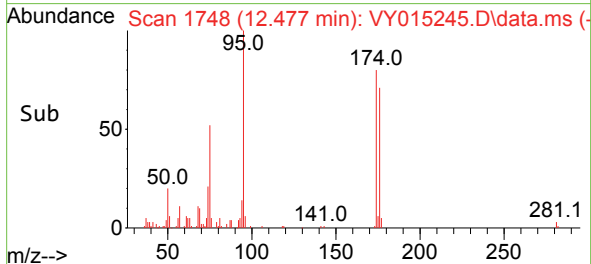
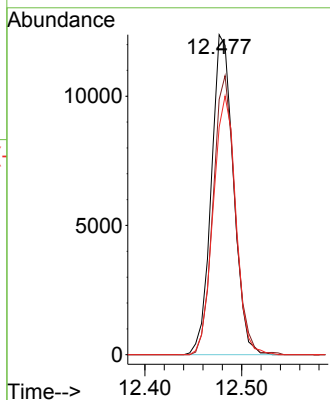
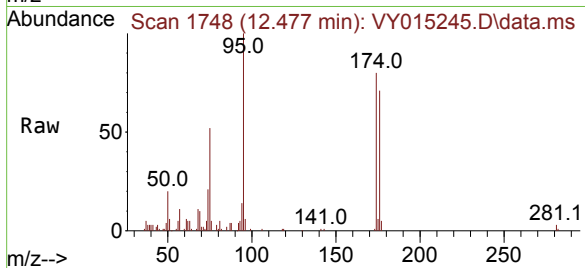




#62
4-Bromofluorobenzene
Concen: 41.505 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015245.D
Acq: 22 Aug 2023 15:27

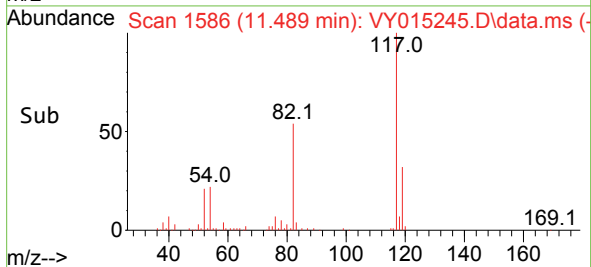
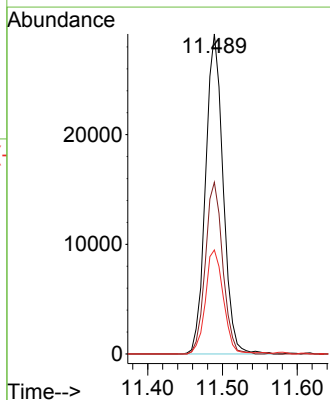
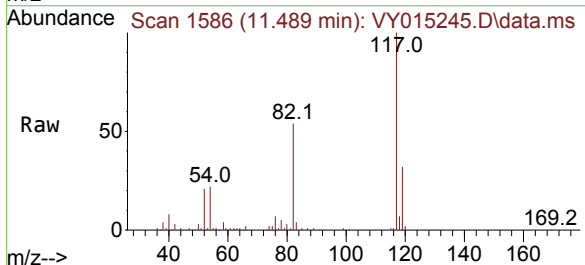
Instrument :
MSVOA_Y
ClientSampleId :
72-11929

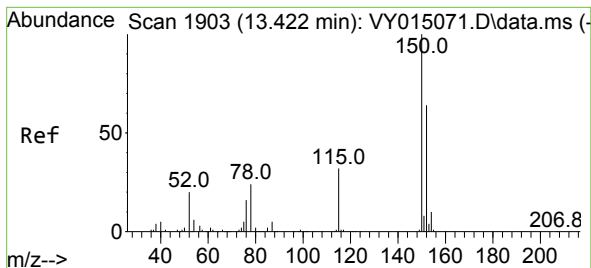
Tgt Ion:	95	Resp:	19662
Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	178.2
176	83.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015245.D
Acq: 22 Aug 2023 15:27

Tgt Ion:	117	Resp:	47582
Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.4	65.0
119	32.5	26.3	39.5

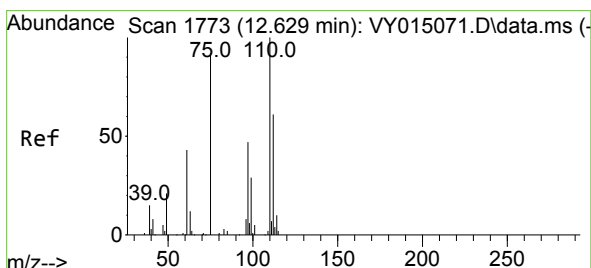
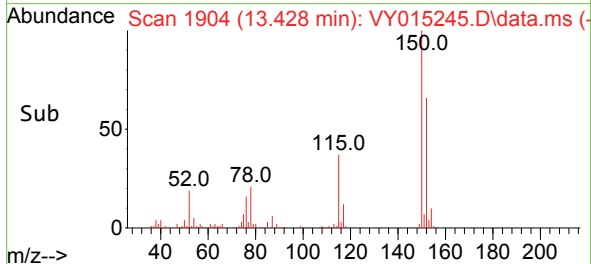
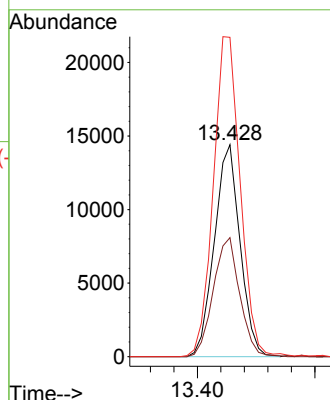
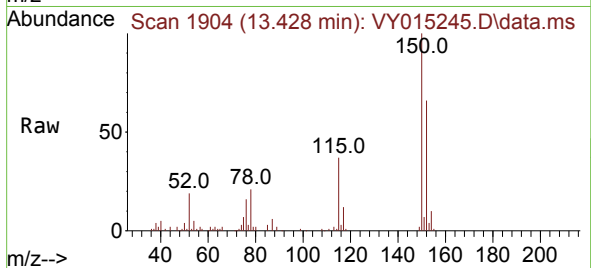




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY015245.D
 Acq: 22 Aug 2023 15:27

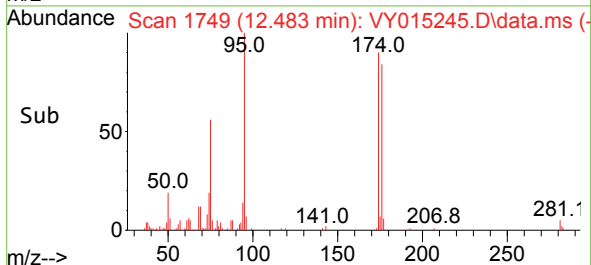
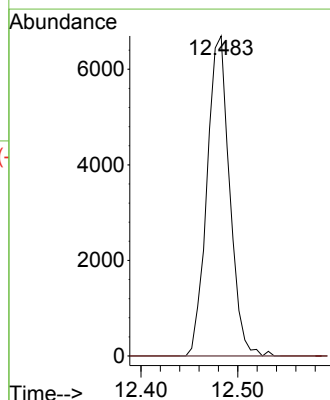
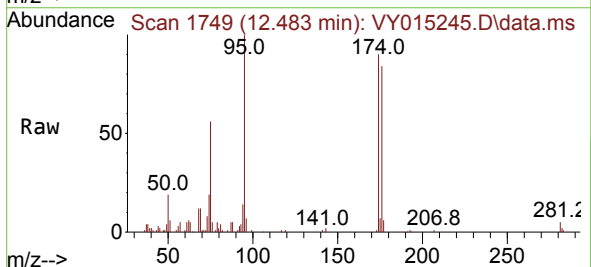
Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11929

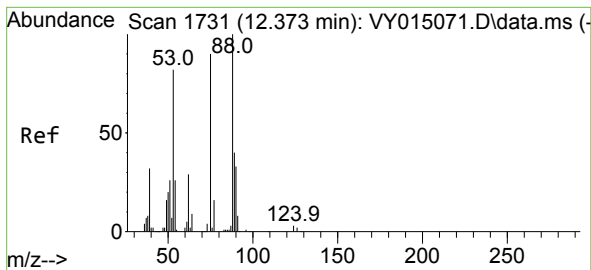
Tgt Ion:152 Resp: 21884
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.8 86.5
 150 158.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.933 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY015245.D
 Acq: 22 Aug 2023 15:27

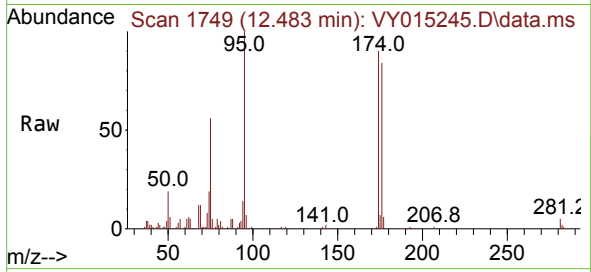
Tgt Ion: 75 Resp: 10883
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.908 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY015245.D
 Acq: 22 Aug 2023 15:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11929



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.0	37.4	56.0#

