

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022824\
 Data File : VY017523.D
 Acq On : 28 Feb 2024 16:18
 Operator : SY/MD
 Sample : P1621-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-022824-A

Quant Time: Feb 28 23:15:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

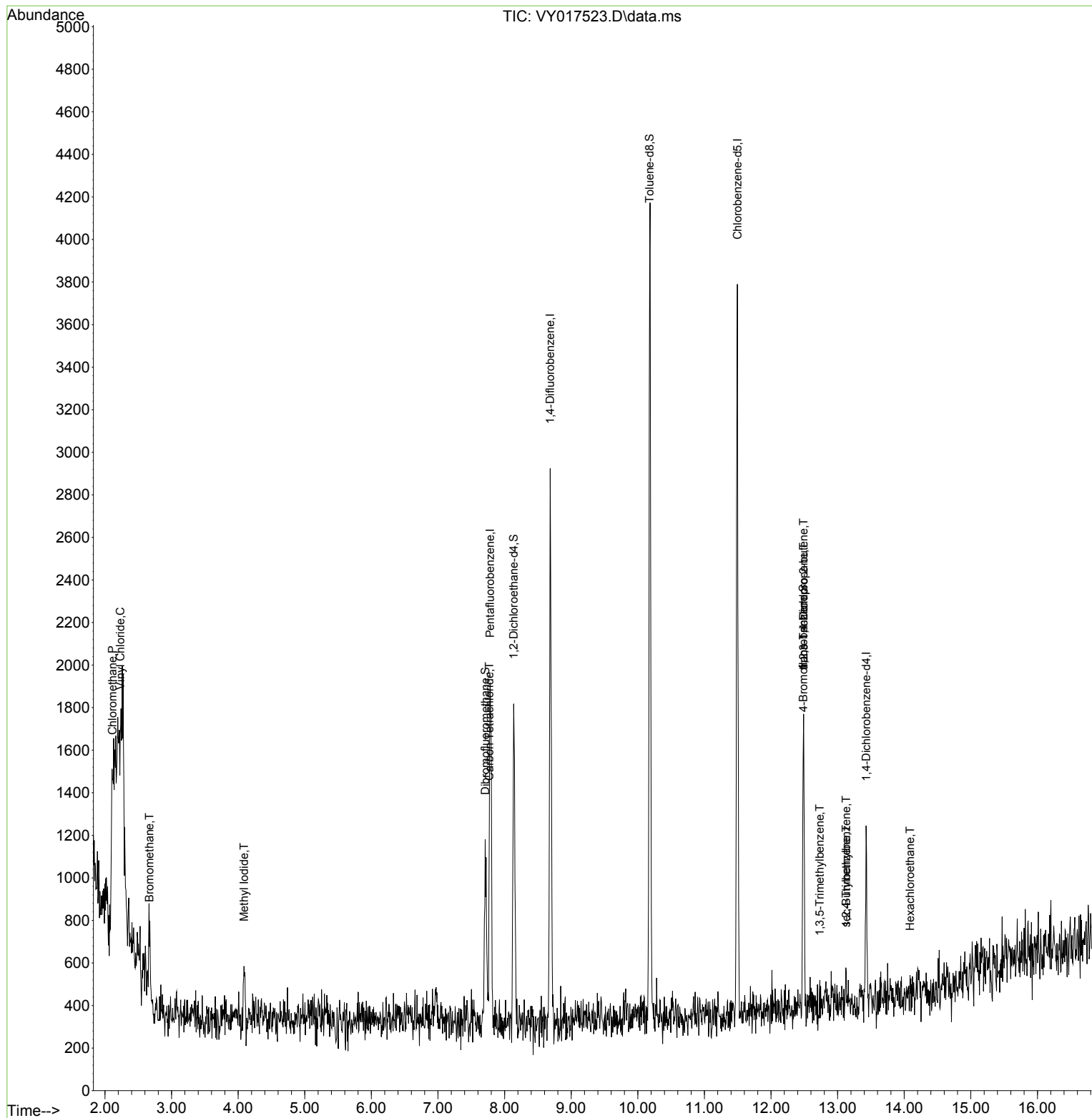
Internal Standards						
1) Pentafluorobenzene	7.783	168	1857	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.685	114	2824	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	2306	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	1233	70.059	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.120%			
35) Dibromofluoromethane	7.710	113	720	36.588	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 73.180%			
50) Toluene-d8	10.179	98	2916	42.382	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 84.760%			
62) 4-Bromofluorobenzene	12.483	95	507	23.447	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 46.900%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	84	3.356	ug/l #	43
4) Vinyl Chloride	2.229	62	49	1.526	ug/l #	42
5) Bromomethane	2.668	94	143	5.465	ug/l #	64
10) Methyl Iodide	4.088	142	285	13.491	ug/l #	68
20) Methylene Chloride	4.698	84	50	Below Cal	#	12
38) Carbon Tetrachloride	7.771	117	53	1.992	ug/l #	13
76) 1,2,3-Trichloropropane	12.489	75	251	75.910	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.733	105	72	3.476	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.489	75	251	174.425	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.129	105	66	3.228	ug/l #	30
85) sec-Butylbenzene	13.129	105	66	2.373	ug/l #	56
90) Hexachloroethane	14.087	117	25	5.478	ug/l #	12

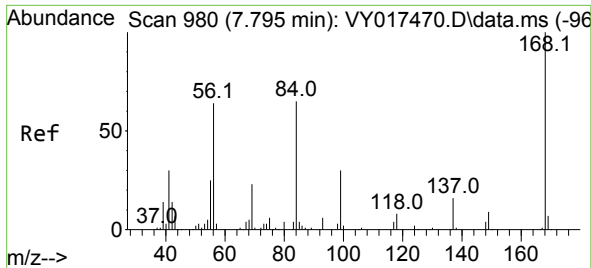
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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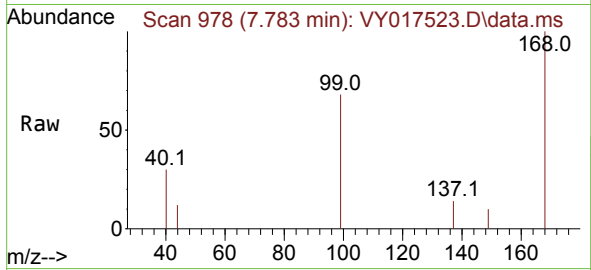
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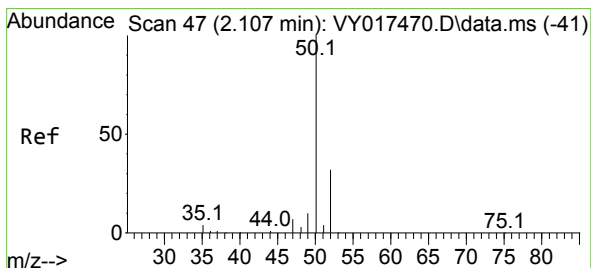
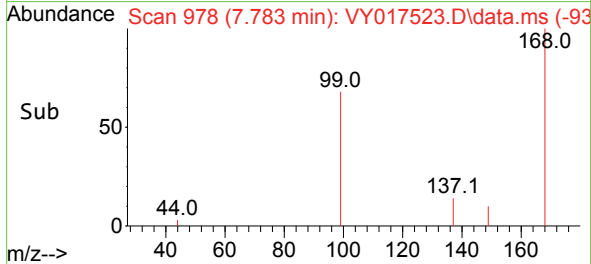
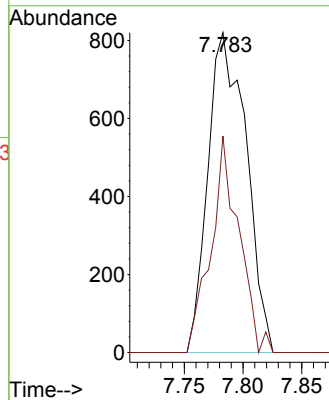


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

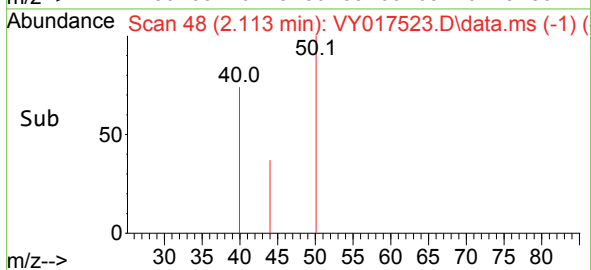
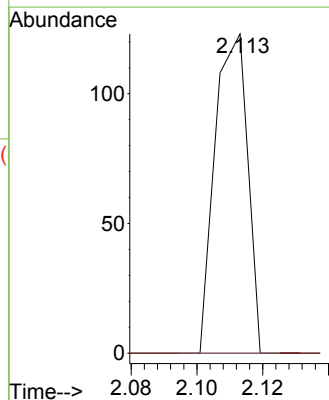
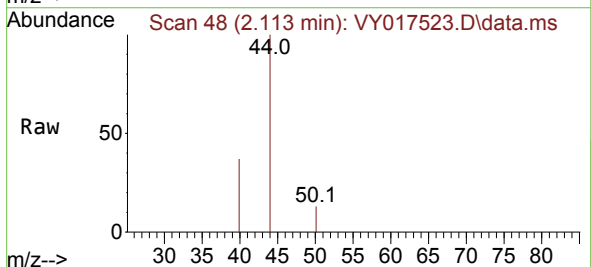


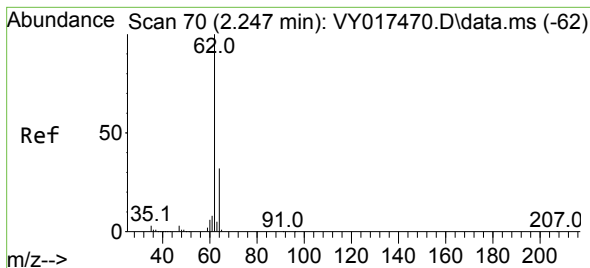
Tgt Ion:168 Resp: 1857
Ion Ratio Lower Upper
168 100
99 67.7 39.1 58.7#



#3
Chloromethane
Concen: 3.356 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

Tgt Ion: 50 Resp: 84
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

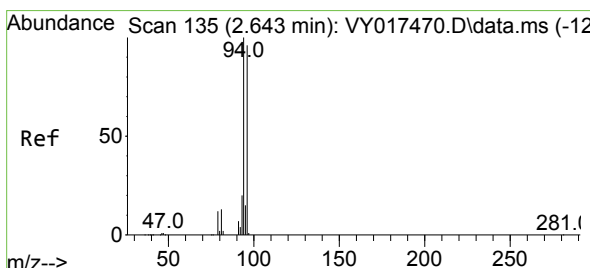
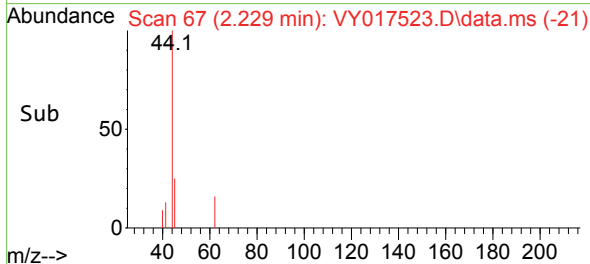
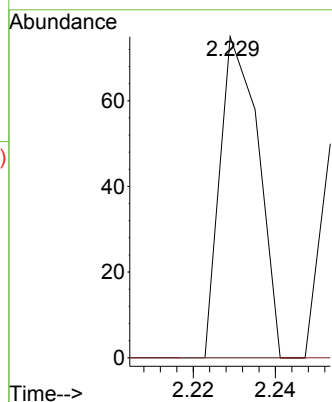
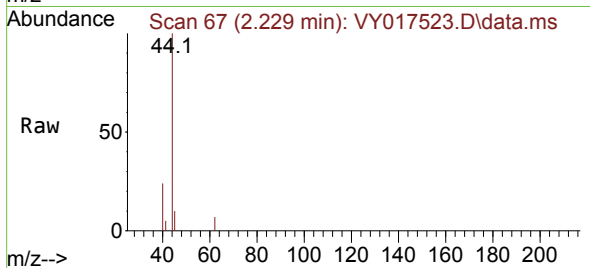




#4
Vinyl Chloride
Concen: 1.526 ug/l
RT: 2.229 min Scan# 61
Delta R.T. -0.018 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

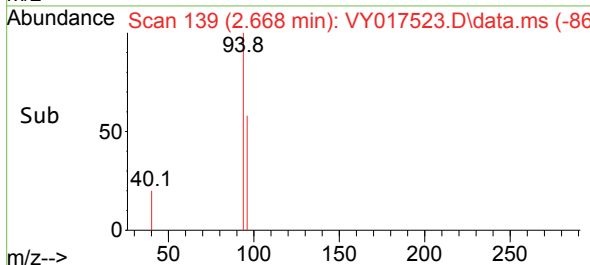
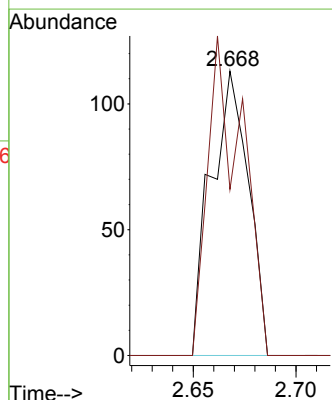
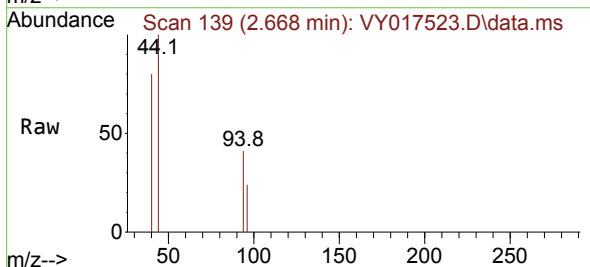
Instrument :
MSVOA_Y
ClientSampleId :
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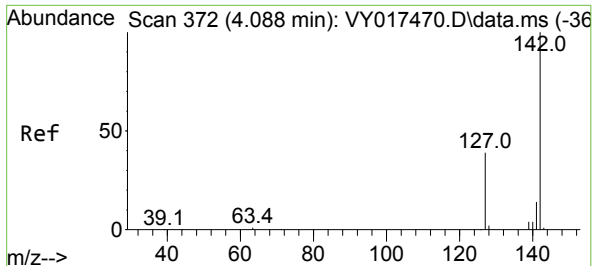
Tgt Ion: 62 Resp: 49
Ion Ratio Lower Upper
62 100
64 0.0 26.1 39.1#



#5
Bromomethane
Concen: 5.465 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.024 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

Tgt Ion: 94 Resp: 143
Ion Ratio Lower Upper
94 100
96 58.4 74.1 111.1#





#10

Methyl Iodide

Concen: 13.491 ug/l

RT: 4.088 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY017523.D

Acq: 28 Feb 2024 16:18

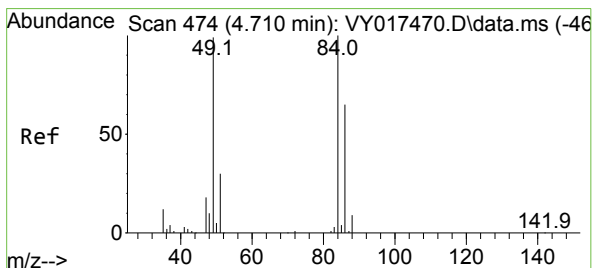
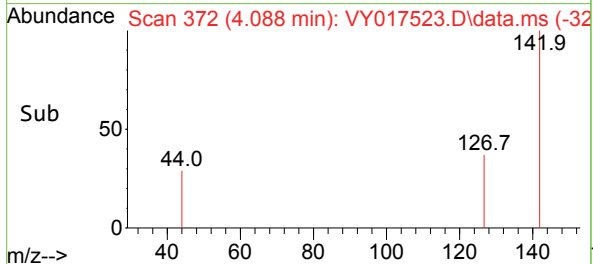
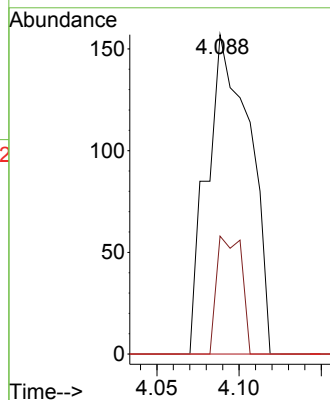
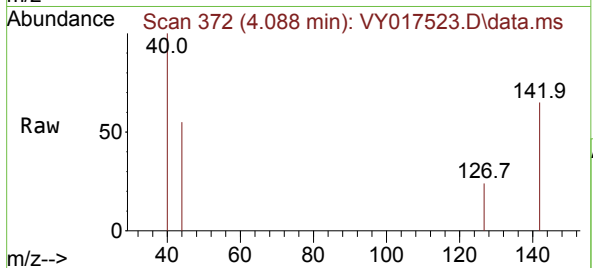
Instrument :

MSVOA_Y

ClientSampleId :

EO-01-022824-A

Tgt Ion:	142	Resp:	285
Ion	Ratio	Lower	Upper
142	100		
127	21.4	32.8	49.2#
141	0.0	11.4	17.2#



#20

Methylene Chloride

Concen: Below Cal

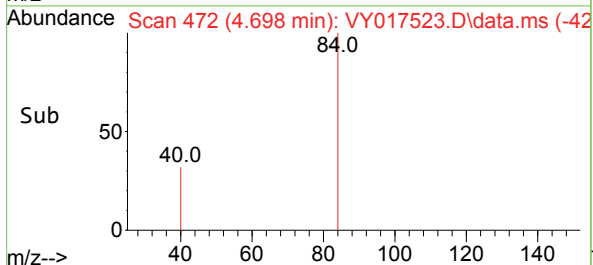
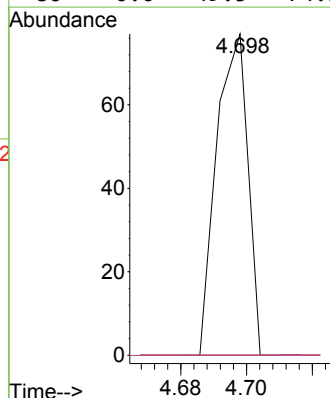
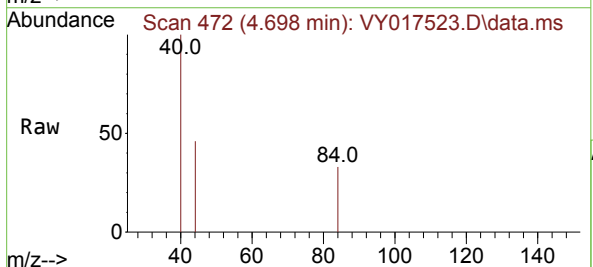
RT: 4.698 min Scan# 472

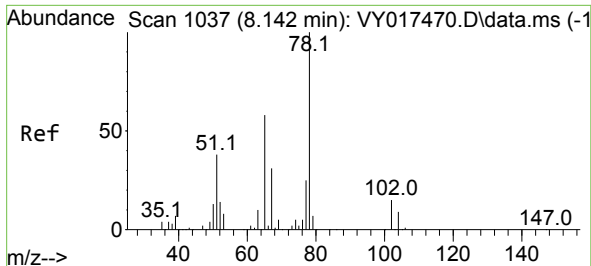
Delta R.T. -0.012 min

Lab File: VY017523.D

Acq: 28 Feb 2024 16:18

Tgt Ion:	84	Resp:	50
Ion	Ratio	Lower	Upper
84	100		
49	0.0	84.4	126.6#
51	0.0	26.0	39.0#
86	0.0	49.5	74.3#





#33

1,2-Dichloroethane-d4

Concen: 70.059 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY017523.D

Acq: 28 Feb 2024 16:18

Instrument :

MSVOA_Y

ClientSampleId :

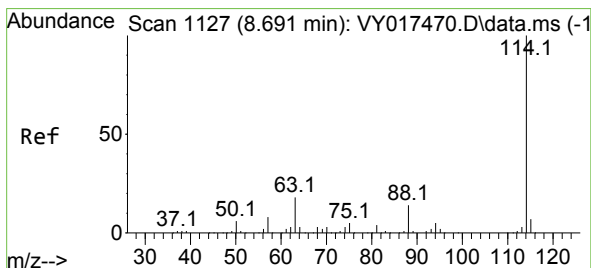
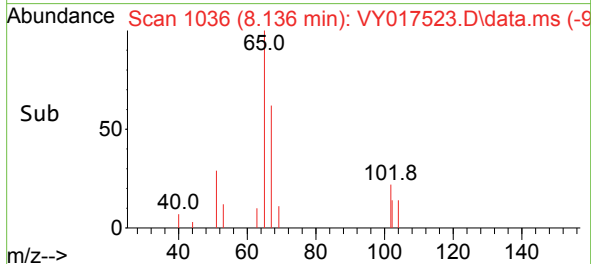
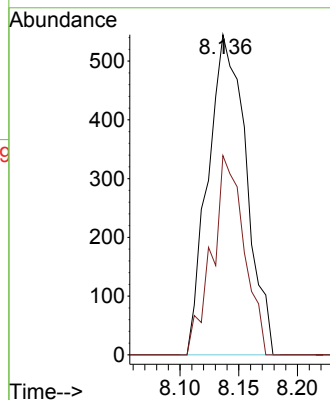
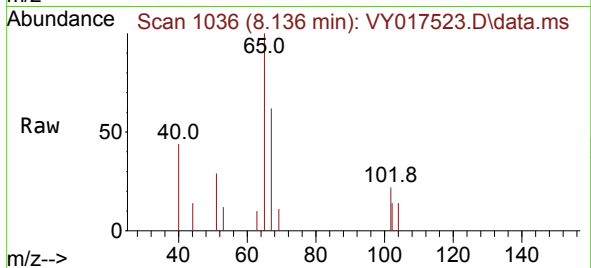
EO-01-022824-A

Tgt Ion: 65 Resp: 1233

Ion Ratio Lower Upper

65 100

67 52.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY017523.D

Acq: 28 Feb 2024 16:18

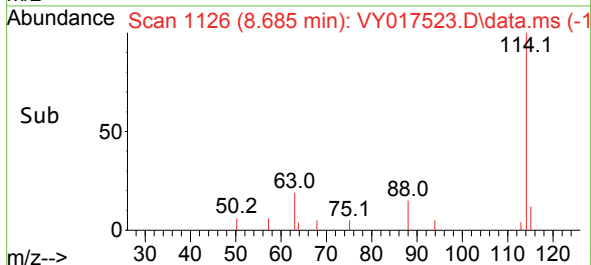
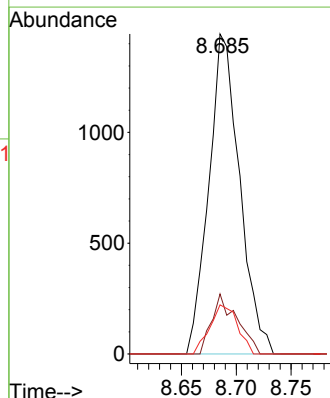
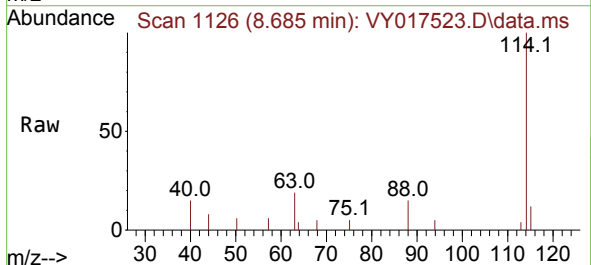
Tgt Ion: 114 Resp: 2824

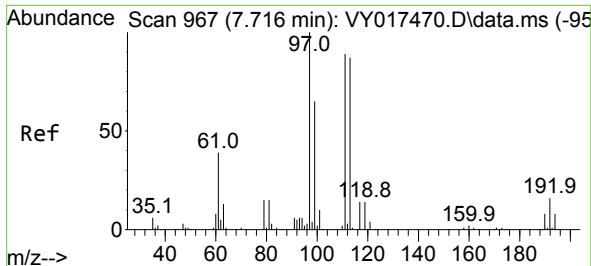
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.0

88 15.4 0.0 27.2

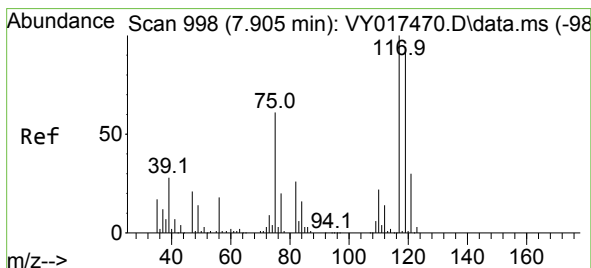
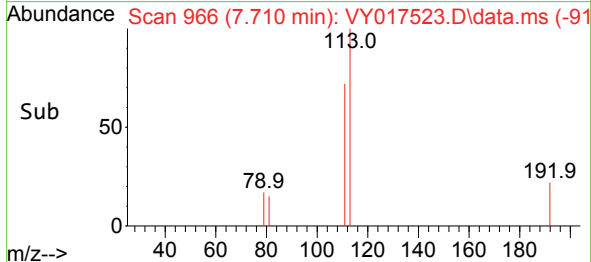
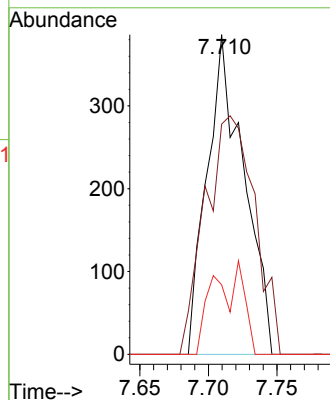
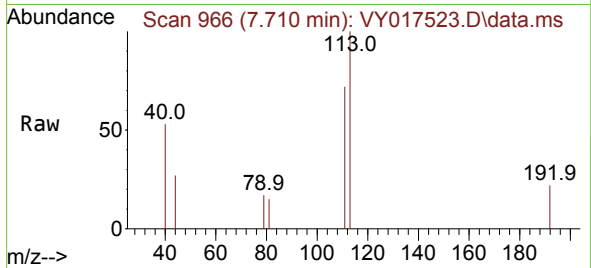




#35
Dibromofluoromethane
Concen: 36.588 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

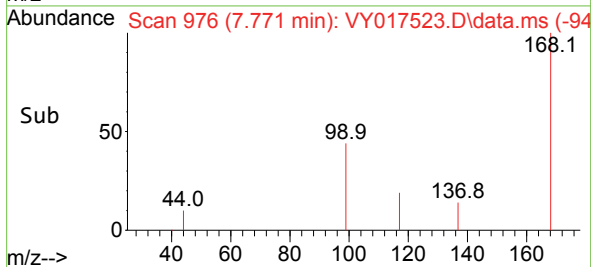
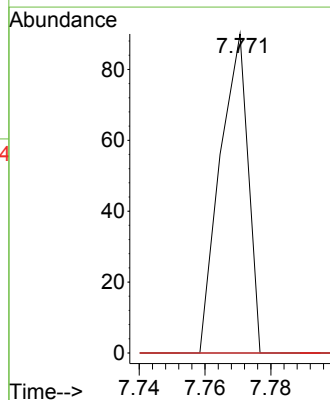
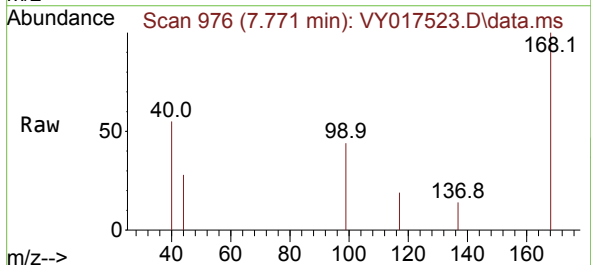
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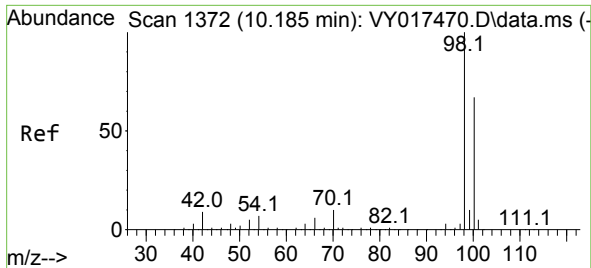
Tgt Ion:113 Resp: 720
Ion Ratio Lower Upper
113 100
111 100.3 82.2 123.4
192 15.0 15.9 23.9#



#38
Carbon Tetrachloride
Concen: 1.992 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.134 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

Tgt Ion:117 Resp: 53
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

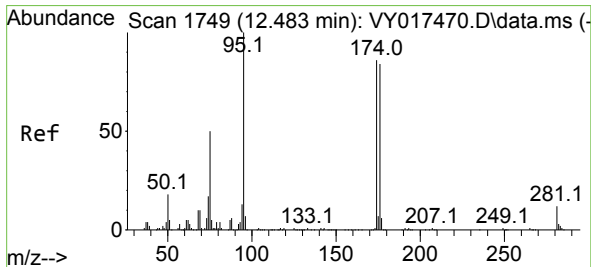
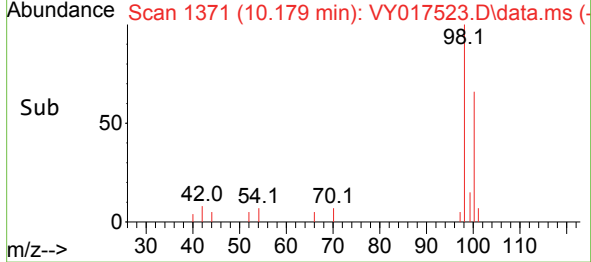
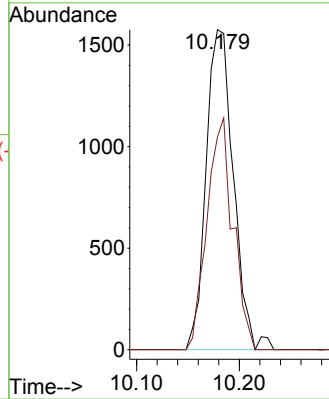
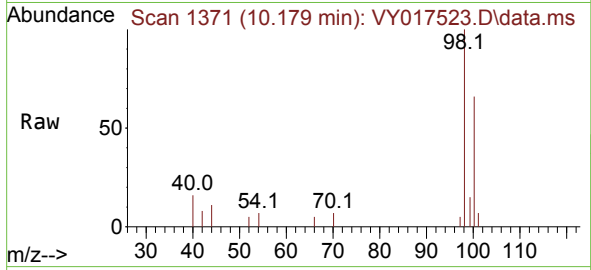




#50
Toluene-d8
Concen: 42.382 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

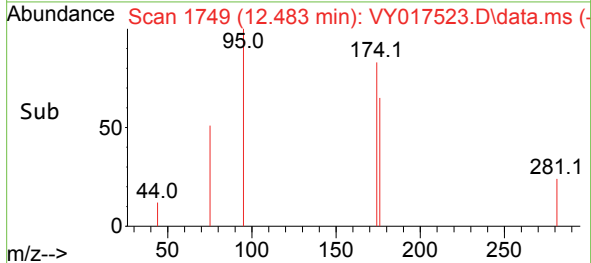
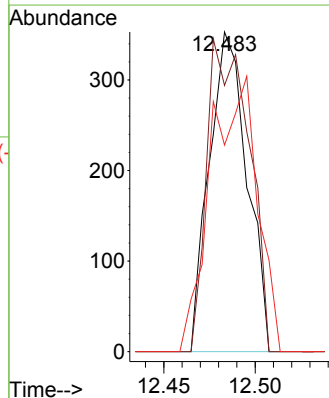
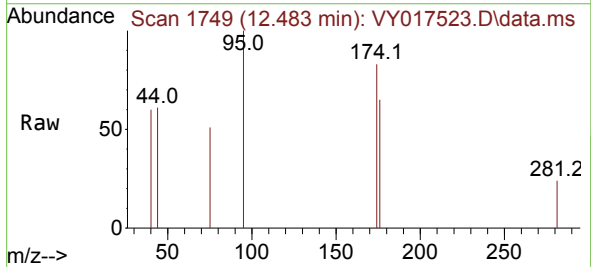
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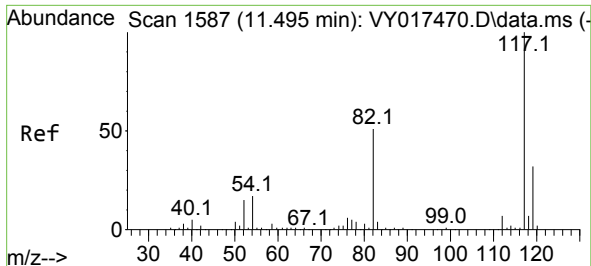
Tgt Ion: 98 Resp: 2916
Ion Ratio Lower Upper
98 100
100 68.7 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 23.447 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

Tgt Ion: 95 Resp: 507
Ion Ratio Lower Upper
95 100
174 108.7 0.0 175.6
176 106.7 0.0 171.4

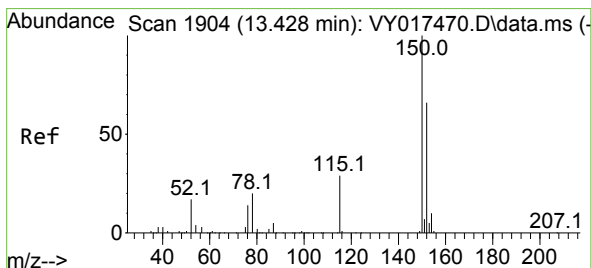
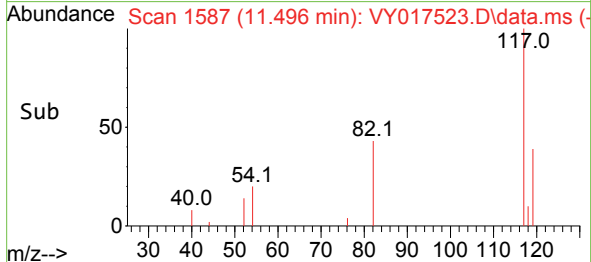
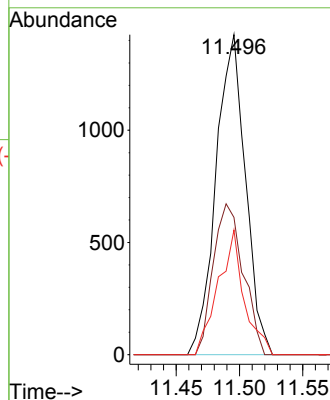
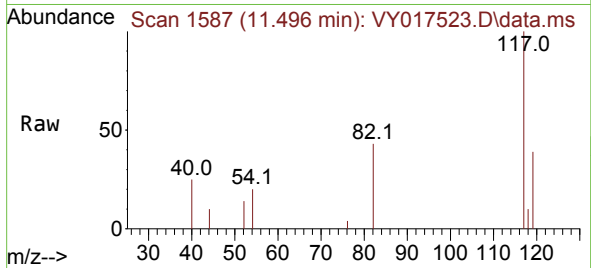




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

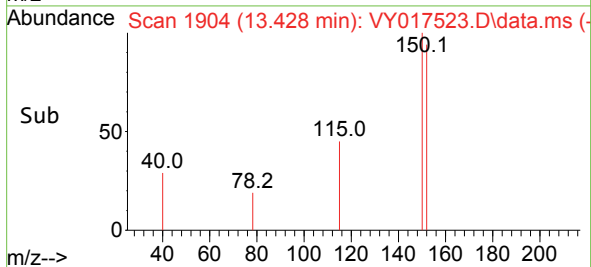
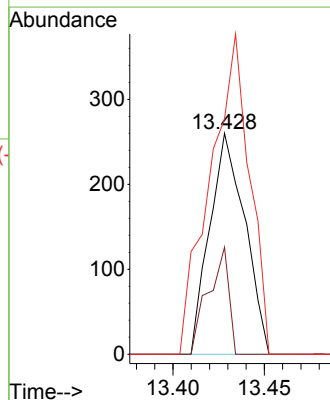
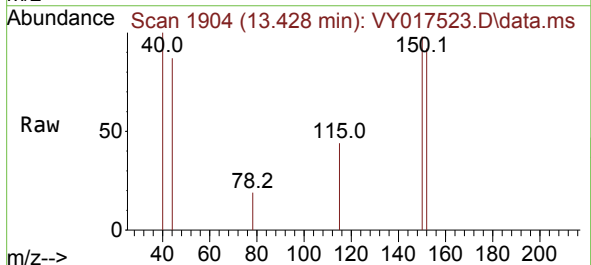
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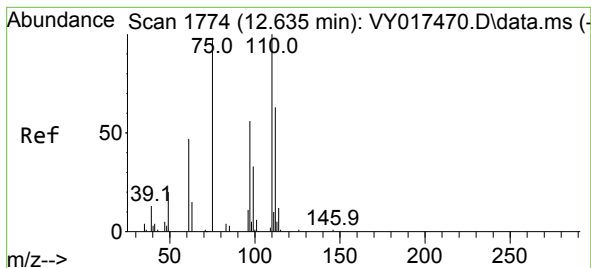
Tgt Ion:117 Resp: 2306
Ion Ratio Lower Upper
117 100
82 42.9 42.4 63.6
119 38.9 25.9 38.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

Tgt Ion:152 Resp: 348
Ion Ratio Lower Upper
152 100
115 28.4 28.2 84.7
150 162.1 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 75.910 ug/l

RT: 12.489 min Scan# 11

Delta R.T. -0.146 min

Lab File: VY017523.D

Acq: 28 Feb 2024 16:18

Instrument :

MSVOA_Y

ClientSampleId :

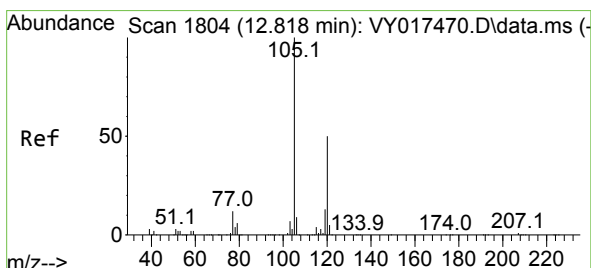
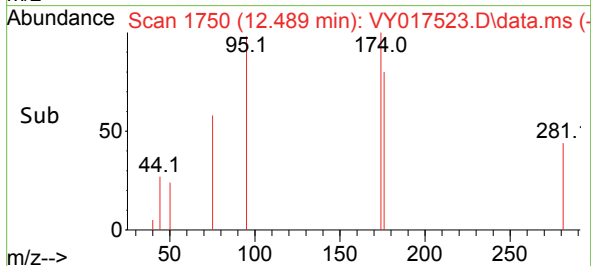
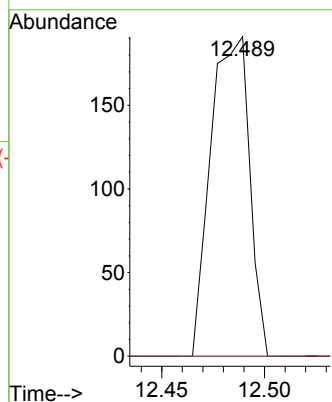
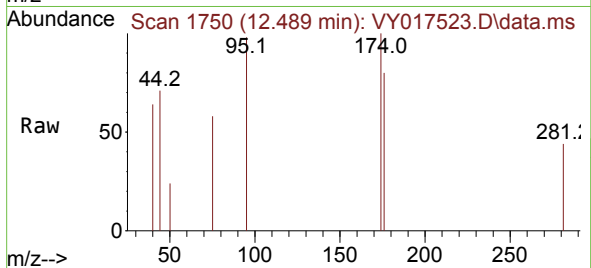
EO-01-022824-A

Tgt Ion: 75 Resp: 251

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#80

1,3,5-Trimethylbenzene

Concen: 3.476 ug/l

RT: 12.733 min Scan# 1790

Delta R.T. -0.085 min

Lab File: VY017523.D

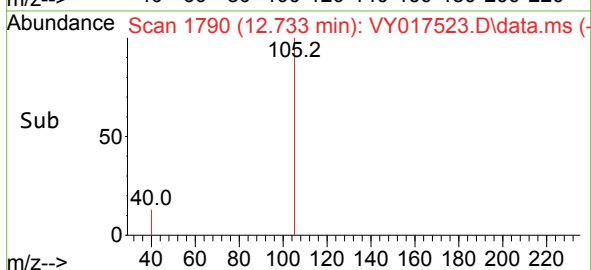
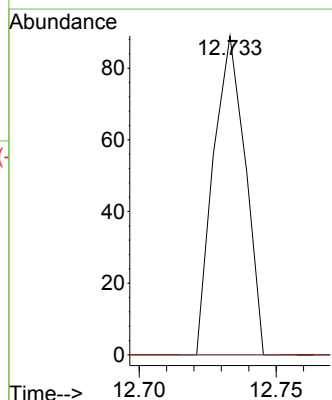
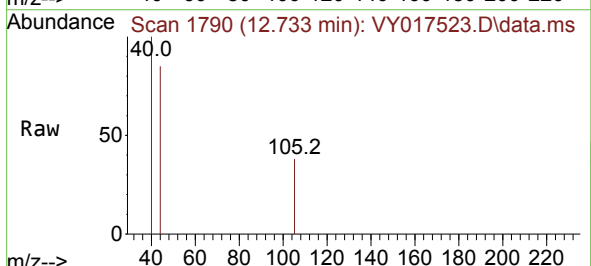
Acq: 28 Feb 2024 16:18

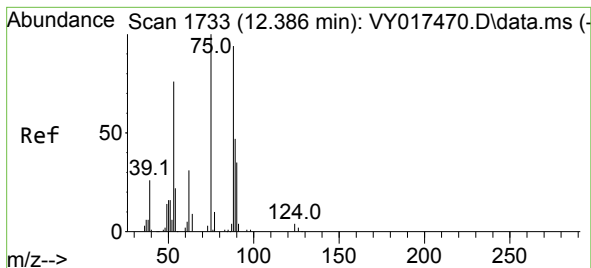
Tgt Ion: 105 Resp: 72

Ion Ratio Lower Upper

105 100

120 0.0 25.1 75.2#

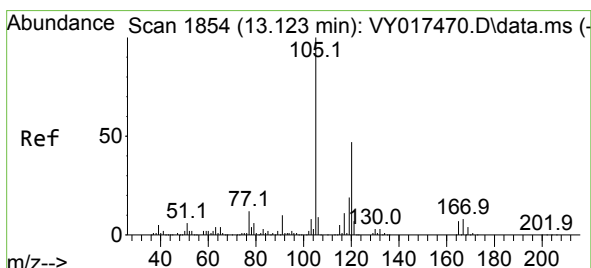
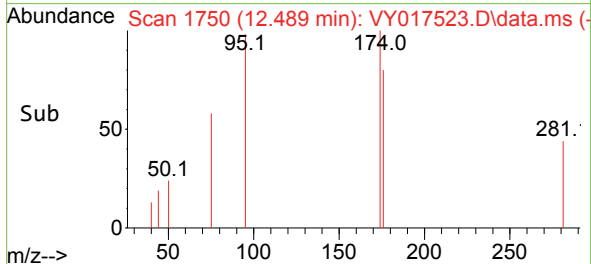
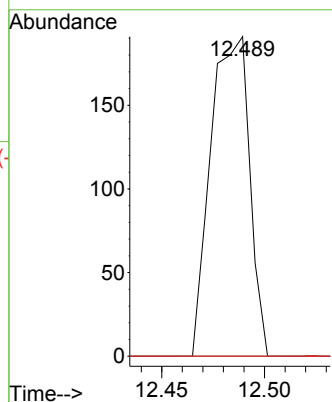
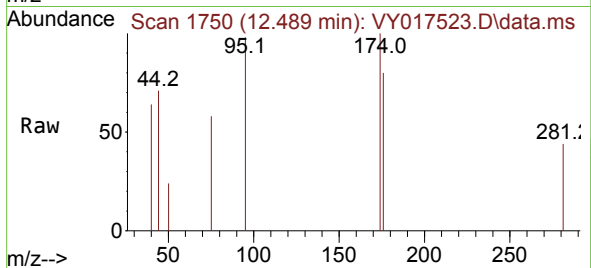




#81
trans-1,4-Dichloro-2-butene
Concen: 174.425 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

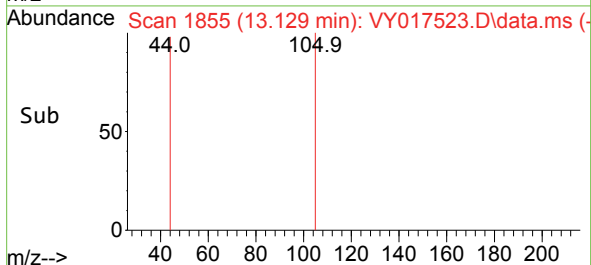
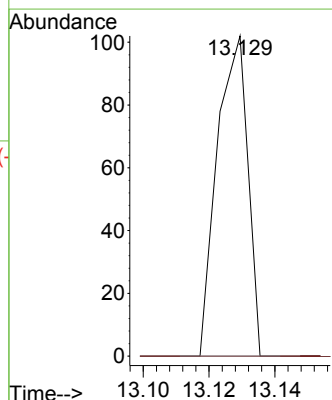
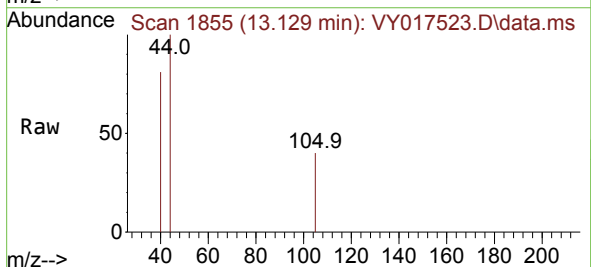
Instrument :
MSVOA_Y
ClientSampleId :
EO-01-022824-A

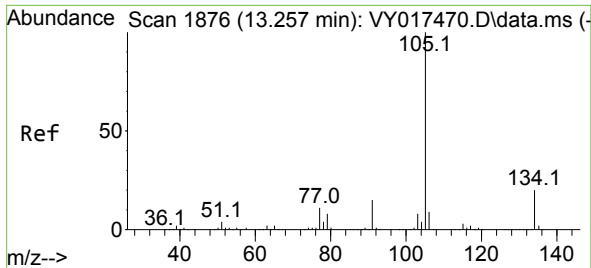
Tgt Ion: 75 Resp: 251
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 3.228 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY017523.D
Acq: 28 Feb 2024 16:18

Tgt Ion: 105 Resp: 66
Ion Ratio Lower Upper
105 100
120 0.0 23.2 69.6#

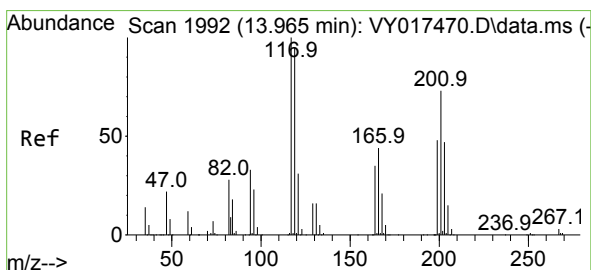
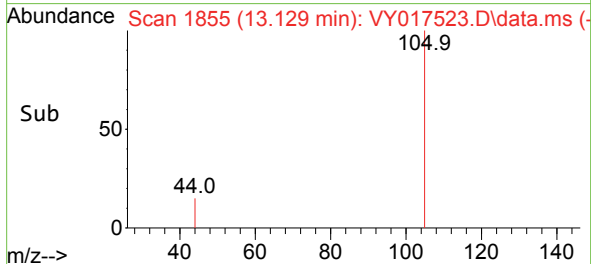
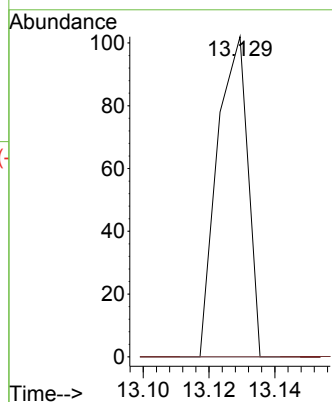
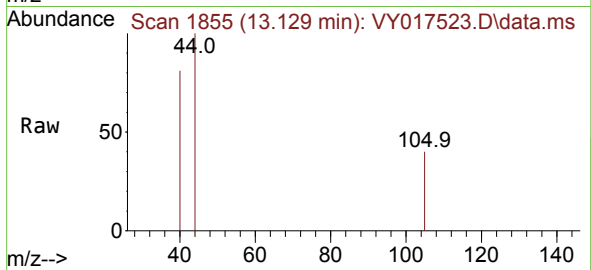




#85
 sec-Butylbenzene
 Concen: 2.373 ug/l
 RT: 13.129 min Scan# 11
 Delta R.T. -0.128 min
 Lab File: VY017523.D
 Acq: 28 Feb 2024 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-01-022824-A

Tgt Ion:105 Resp: 66
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#



#90
 Hexachloroethane
 Concen: 5.478 ug/l
 RT: 14.087 min Scan# 2012
 Delta R.T. 0.122 min
 Lab File: VY017523.D
 Acq: 28 Feb 2024 16:18

Tgt Ion:117 Resp: 25
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.4 112.2#

