

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014240.D
 Acq On : 19 Jun 2023 20:06
 Operator : KP/MD
 Sample : 03320-01
 Misc : 2.37g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-19

Quant Time: Jun 20 05:01:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

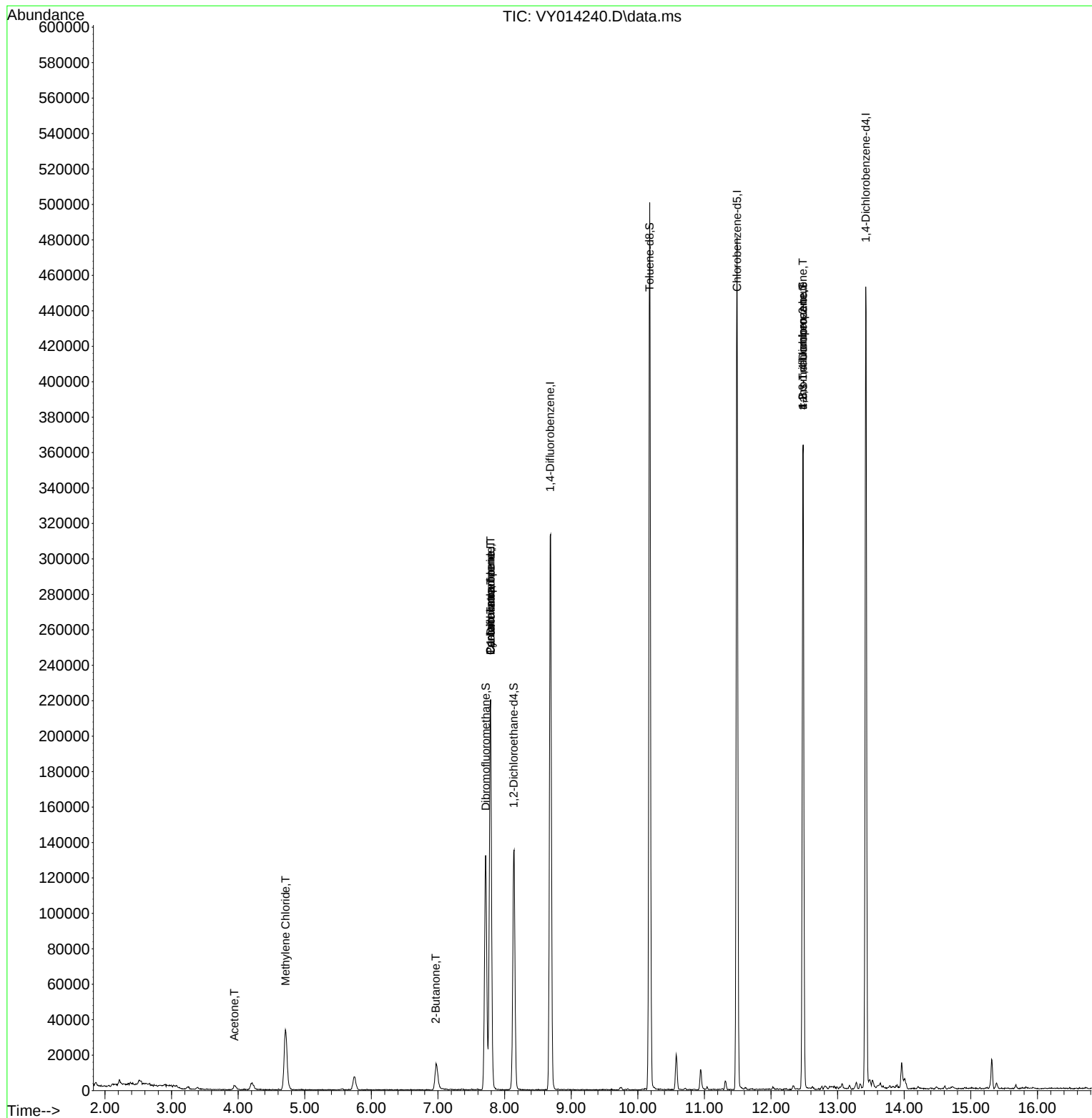
Internal Standards						
1) Pentafluorobenzene	7.789	168	170798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	267533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	112379	47.250	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.500%
35) Dibromofluoromethane	7.716	113	87997	46.380	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.760%
50) Toluene-d8	10.179	98	323523	45.610	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.477	95	102840	40.814	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	362	Below Cal	#	89
13) Acrolein	3.613	56	42	Below Cal	#	14
16) Acetone	3.942	43	4798	6.693	ug/l	93
20) Methylene Chloride	4.710	84	25444	8.113	ug/l	95
25) 2-Butanone	6.966	43	1133	1.284	ug/l #	49
31) Cyclohexane	7.789	56	3674	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	13346	4.512	ug/l #	50
38) Carbon Tetrachloride	7.789	117	15963	4.677	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	54997	35.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54997	76.258	ug/l #	11

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

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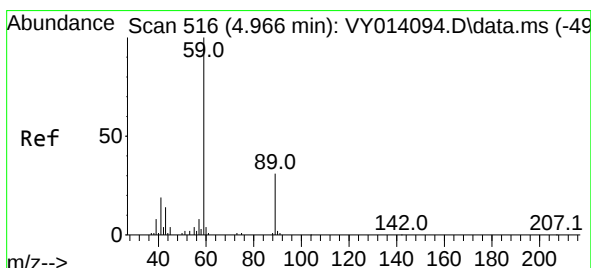
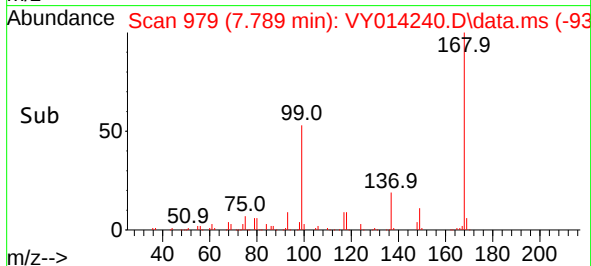
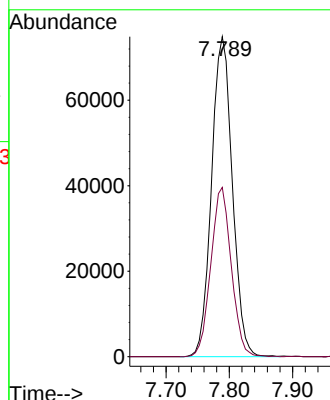
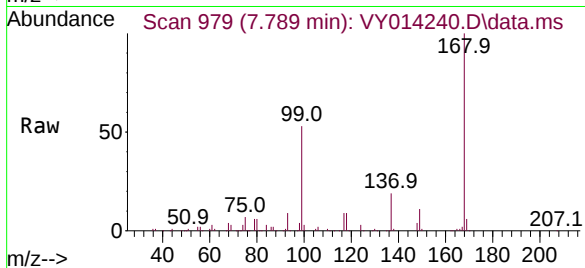




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

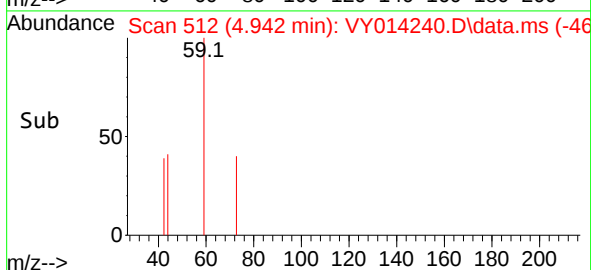
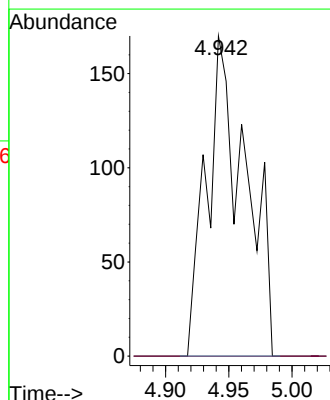
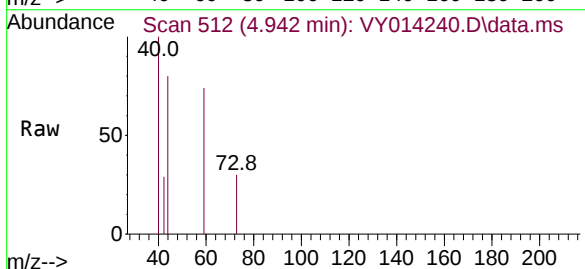
Instrument :
MSVOA_Y
ClientSampleId :
WC-19

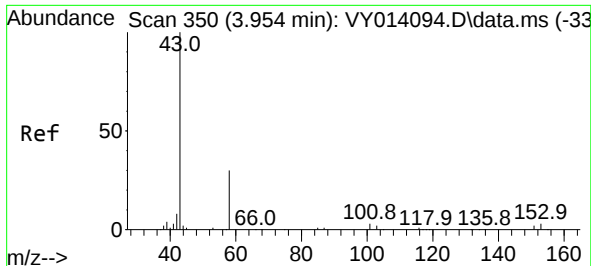
Tgt Ion:168 Resp: 170798
Ion Ratio Lower Upper
168 100
99 52.9 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

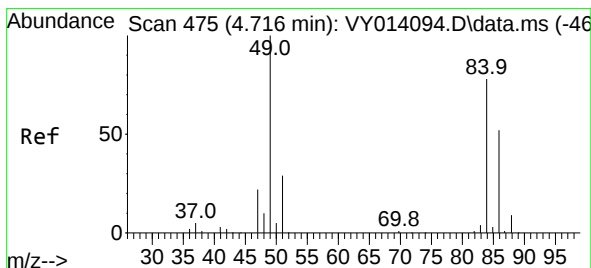
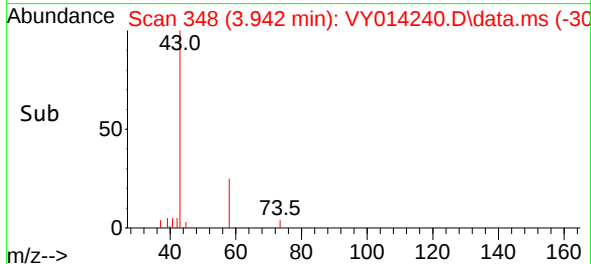
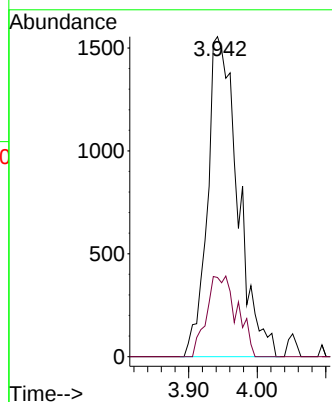
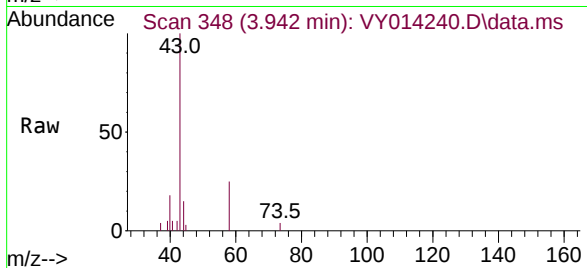




#16
Acetone
Concen: 6.693 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

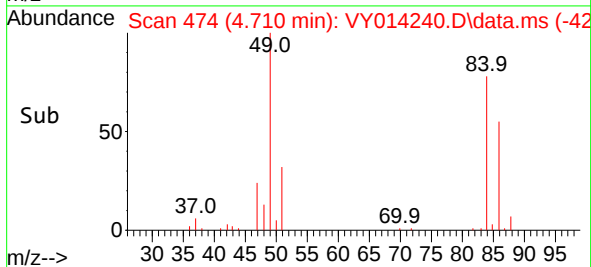
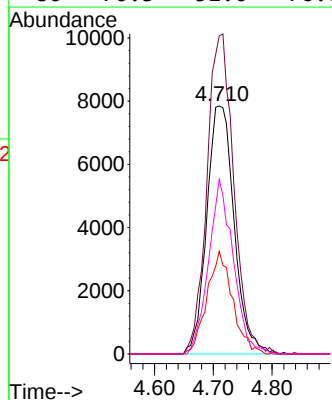
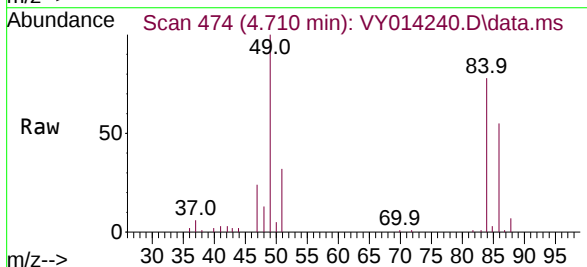
Instrument :
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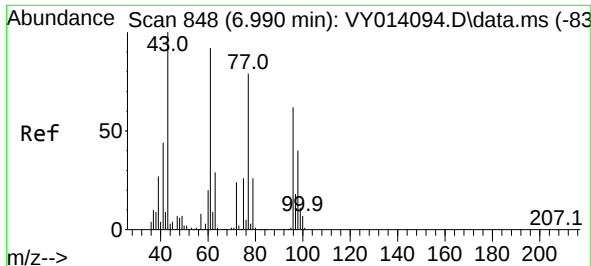
Tgt Ion: 43 Resp: 4798
Ion Ratio Lower Upper
43 100
58 24.8 22.7 34.1



#20
Methylene Chloride
Concen: 8.113 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

Tgt Ion: 84 Resp: 25444
Ion Ratio Lower Upper
84 100
49 128.2 106.9 160.3
51 41.4 33.2 49.8
86 70.3 51.0 76.6

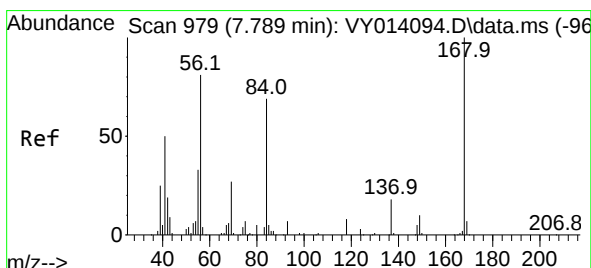
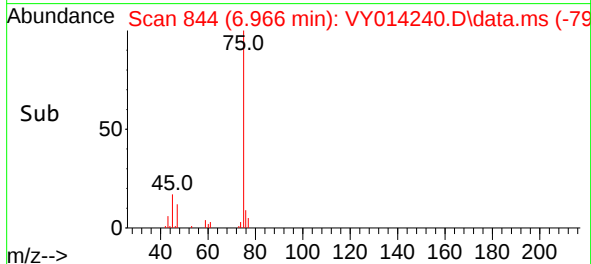
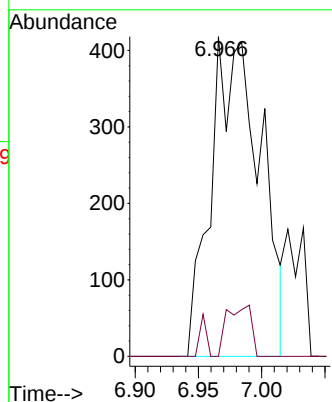
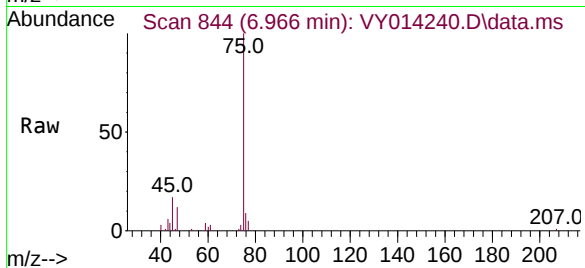




#25
2-Butanone
Concen: 1.284 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.024 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

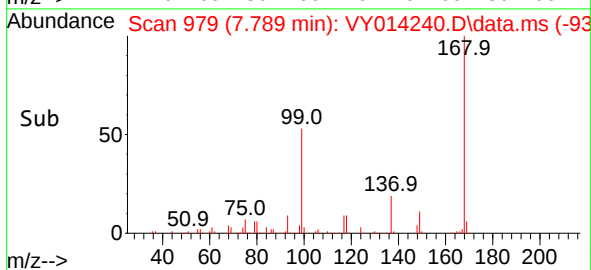
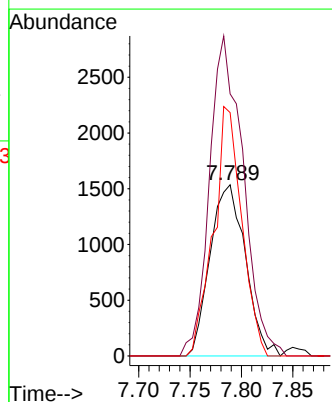
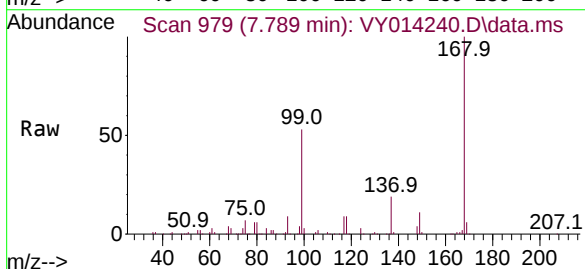
Instrument :
MSVOA_Y
ClientSampleId :
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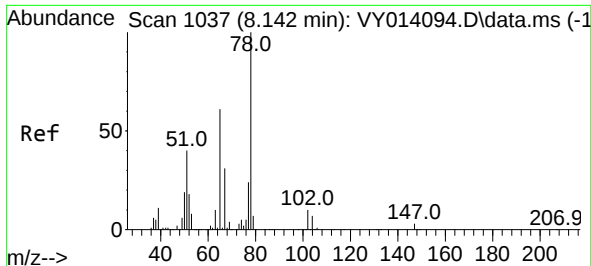
Tgt Ion: 43 Resp: 1133
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

Tgt Ion: 56 Resp: 3674
Ion Ratio Lower Upper
56 100
69 153.1 27.8 41.6#
84 142.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 47.250 ug/l

RT: 8.136 min Scan# 112379

Delta R.T. -0.006 min

Lab File: VY014240.D

Acq: 19 Jun 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :

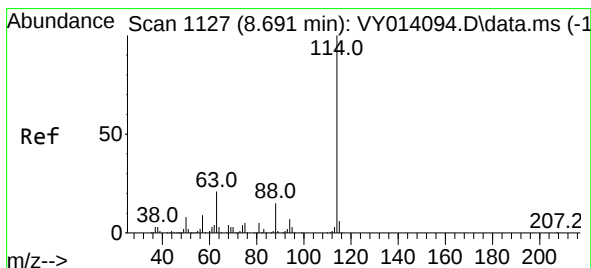
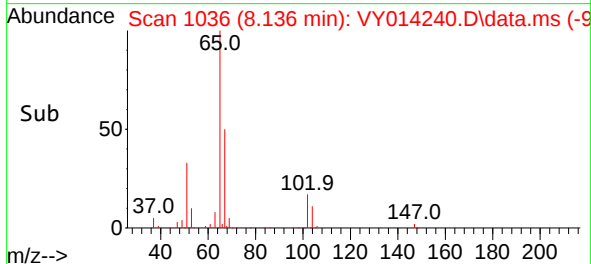
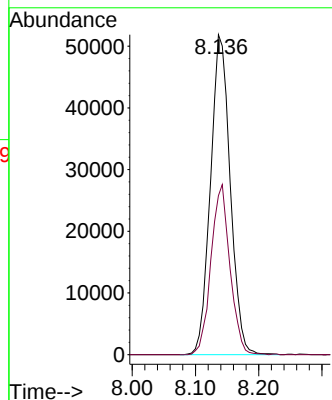
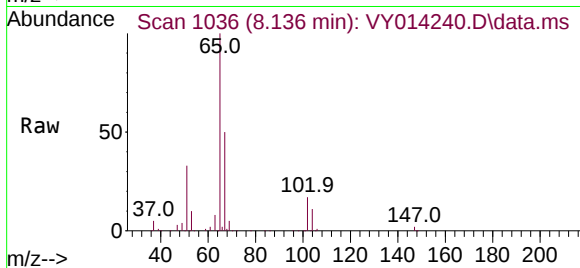
WC-19

Tgt Ion: 65 Resp: 112379

Ion Ratio Lower Upper

65 100

67 51.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014240.D

Acq: 19 Jun 2023 20:06

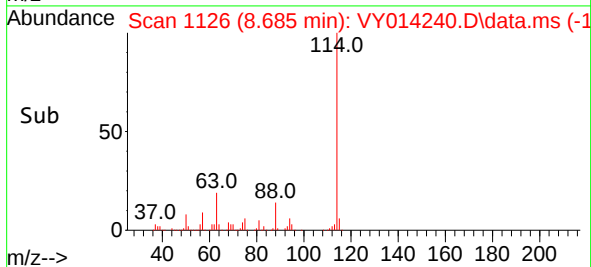
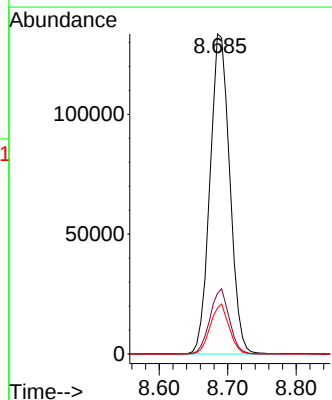
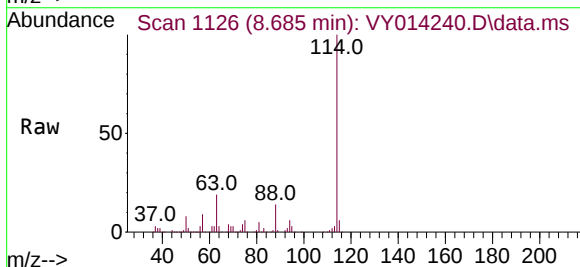
Tgt Ion: 114 Resp: 267533

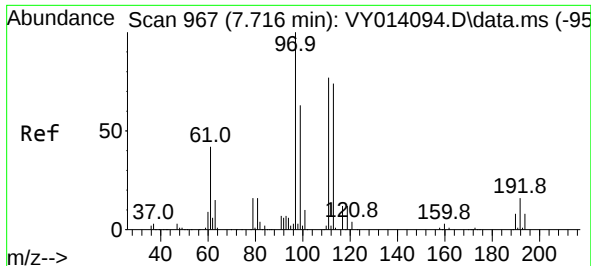
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 14.4 0.0 30.6

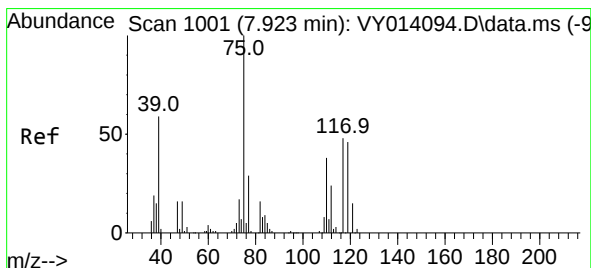
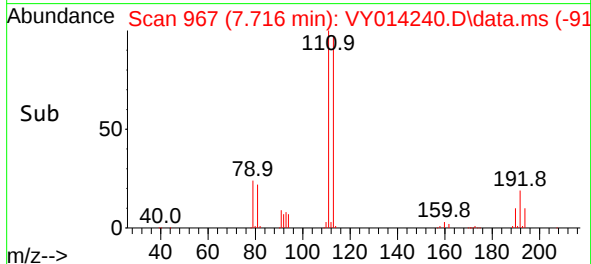
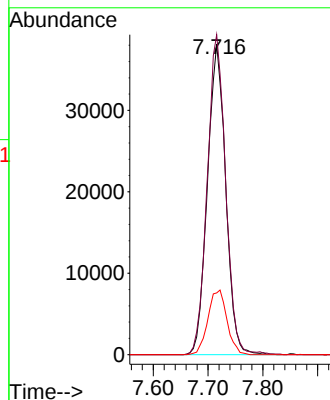
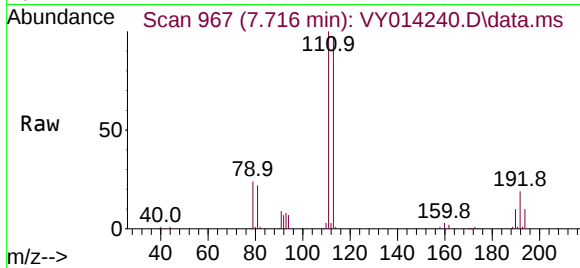




#35
Dibromofluoromethane
Concen: 46.380 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

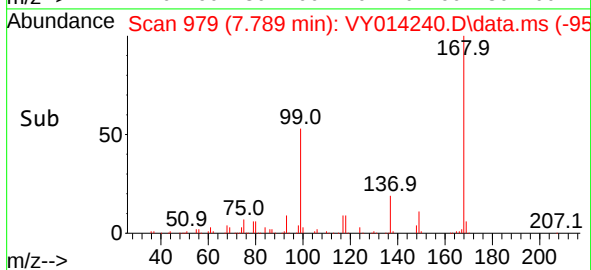
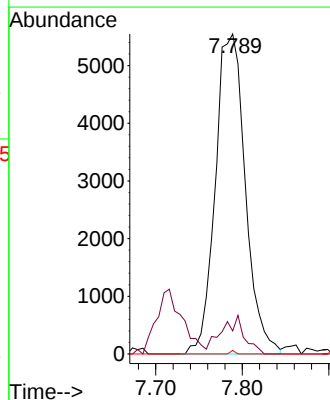
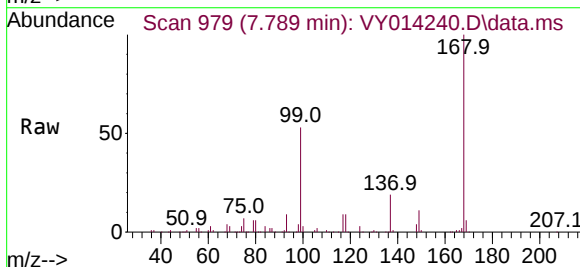
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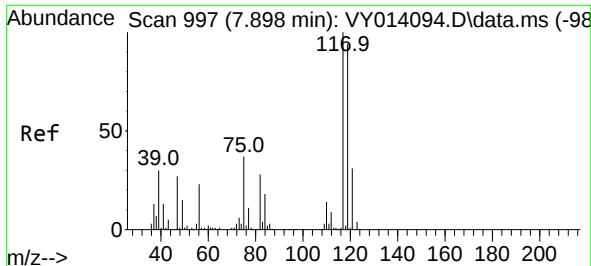
Tgt Ion:113 Resp: 87997
Ion Ratio Lower Upper
113 100
111 104.1 81.3 121.9
192 21.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.512 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

Tgt Ion: 75 Resp: 13346
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.2 24.4 36.6#

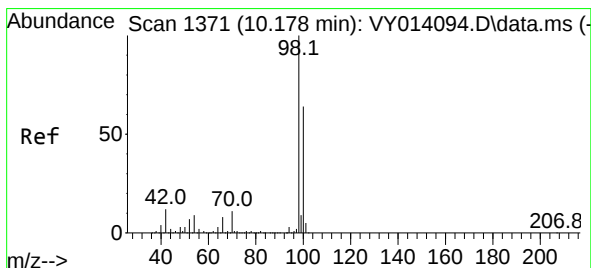
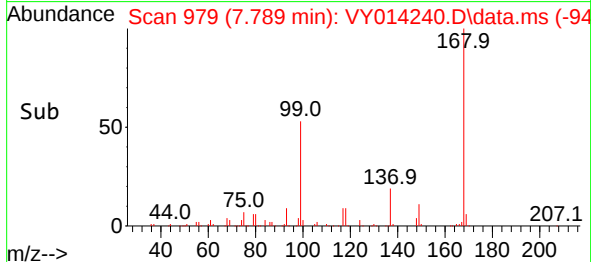
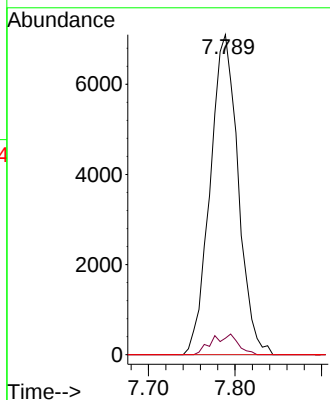
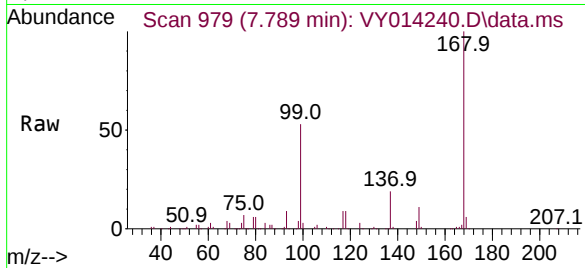




#38
Carbon Tetrachloride
Concen: 4.677 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

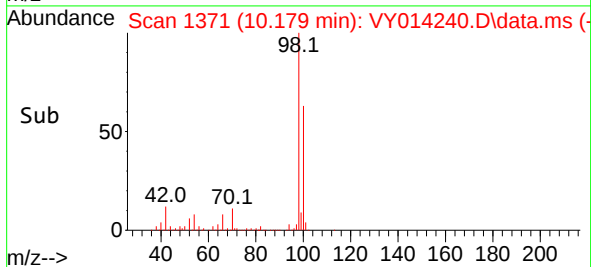
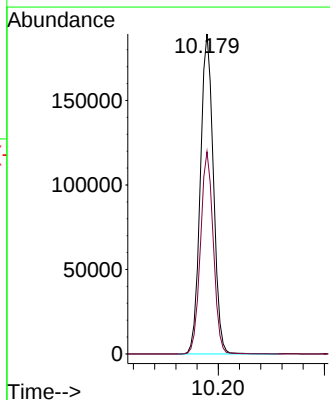
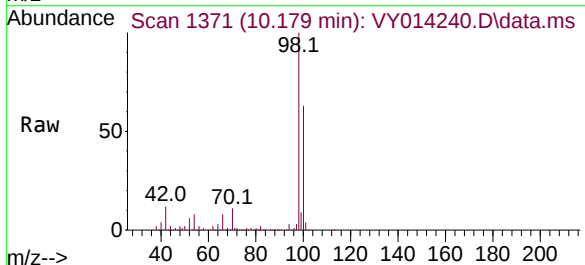
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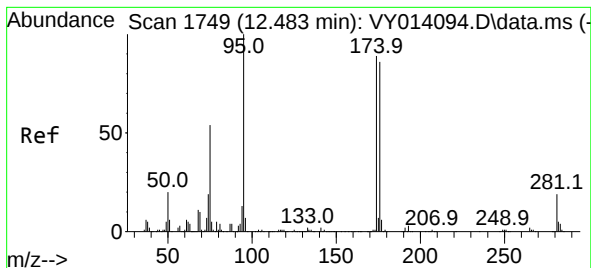
Tgt Ion:117 Resp: 15963
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 45.610 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

Tgt Ion: 98 Resp: 323523
Ion Ratio Lower Upper
98 100
100 62.1 50.1 75.1

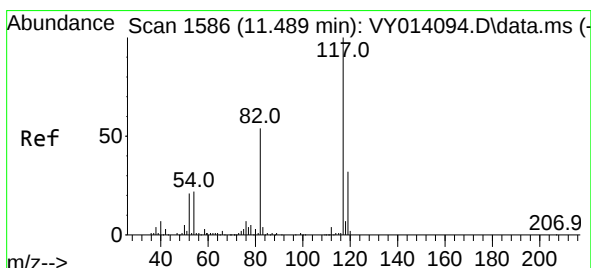
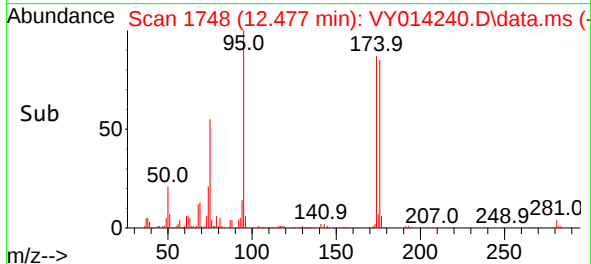
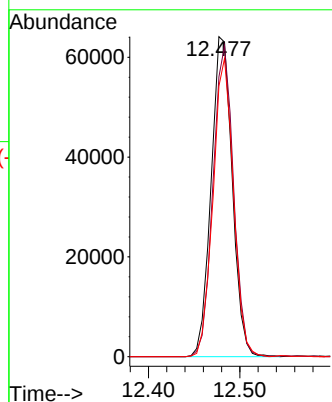
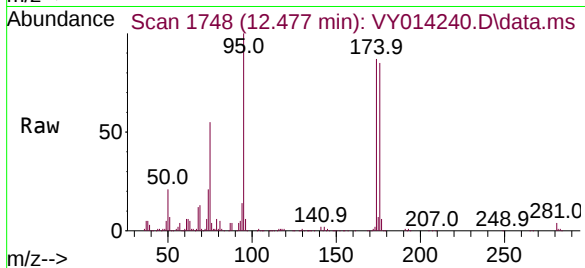




#62
4-Bromofluorobenzene
Concen: 40.814 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

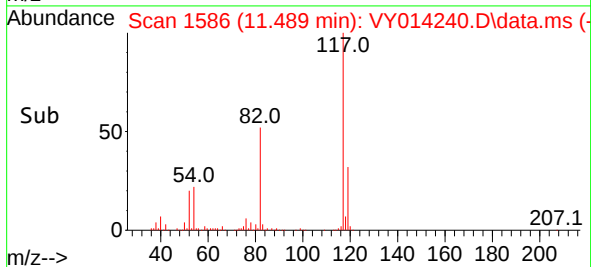
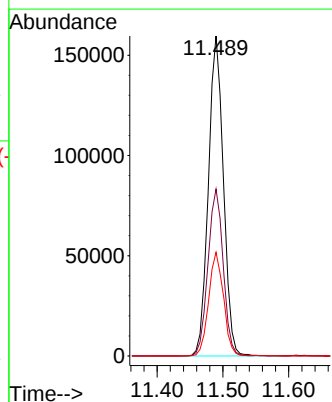
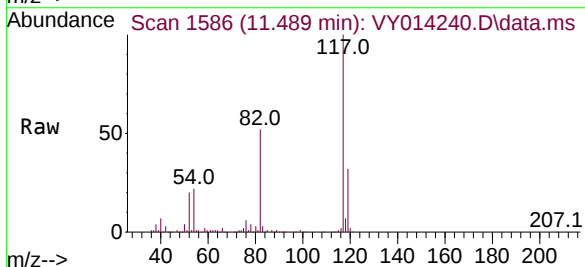
Instrument :
MSVOA_Y
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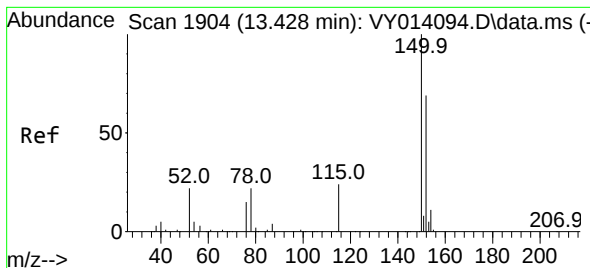
Tgt Ion: 95 Resp: 102840
Ion Ratio Lower Upper
95 100
174 94.6 0.0 178.2
176 90.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014240.D
Acq: 19 Jun 2023 20:06

Tgt Ion: 117 Resp: 254069
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014240.D

Acq: 19 Jun 2023 20:06

Instrument :

MSVOA_Y

ClientSampleId :

WC-19

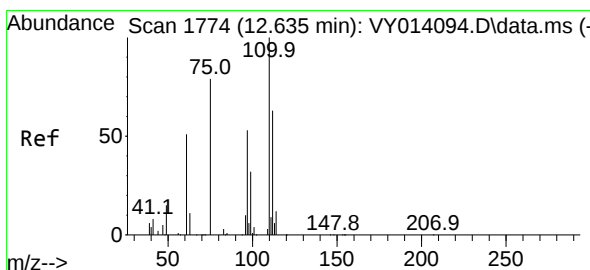
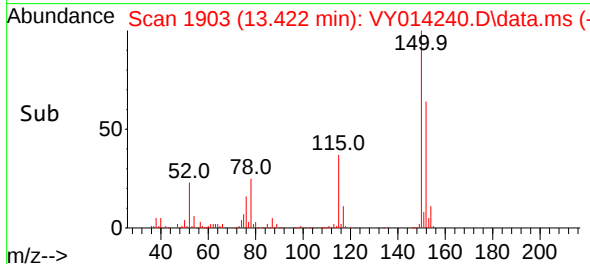
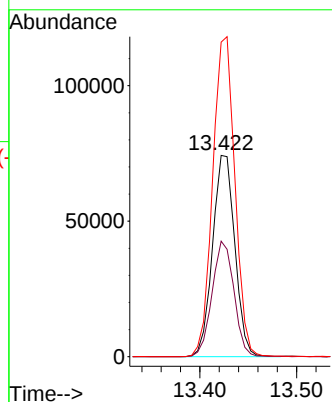
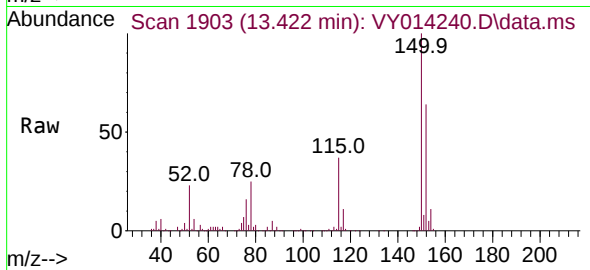
Tgt Ion:152 Resp: 118824

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 158.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.278 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014240.D

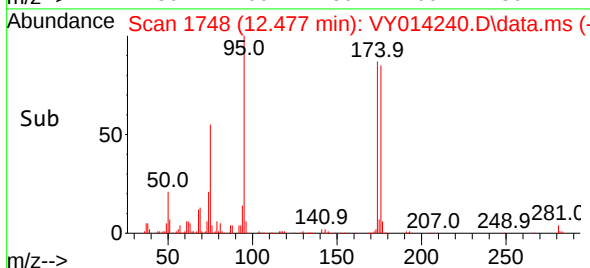
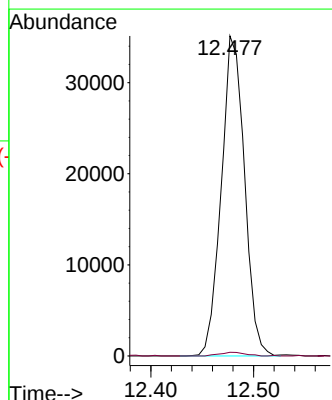
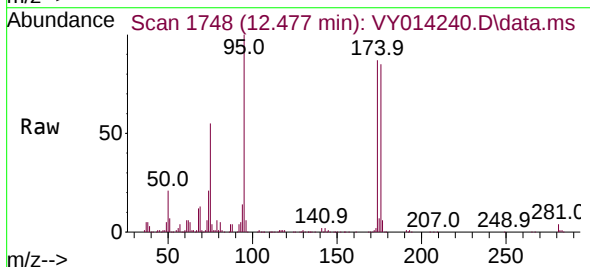
Acq: 19 Jun 2023 20:06

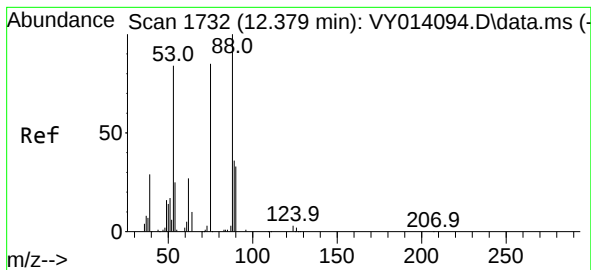
Tgt Ion: 75 Resp: 54997

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.258 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014240.D
 Acq: 19 Jun 2023 20:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-19

Tgt Ion: 75 Resp: 54997
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.1 37.4 56.0#

