

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
 Data File : VY008497.D
 Acq On : 26 Apr 2022 12:33
 Operator : KP/MD
 Sample : N2478-01RE
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 279

Quant Time: Apr 26 16:28:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

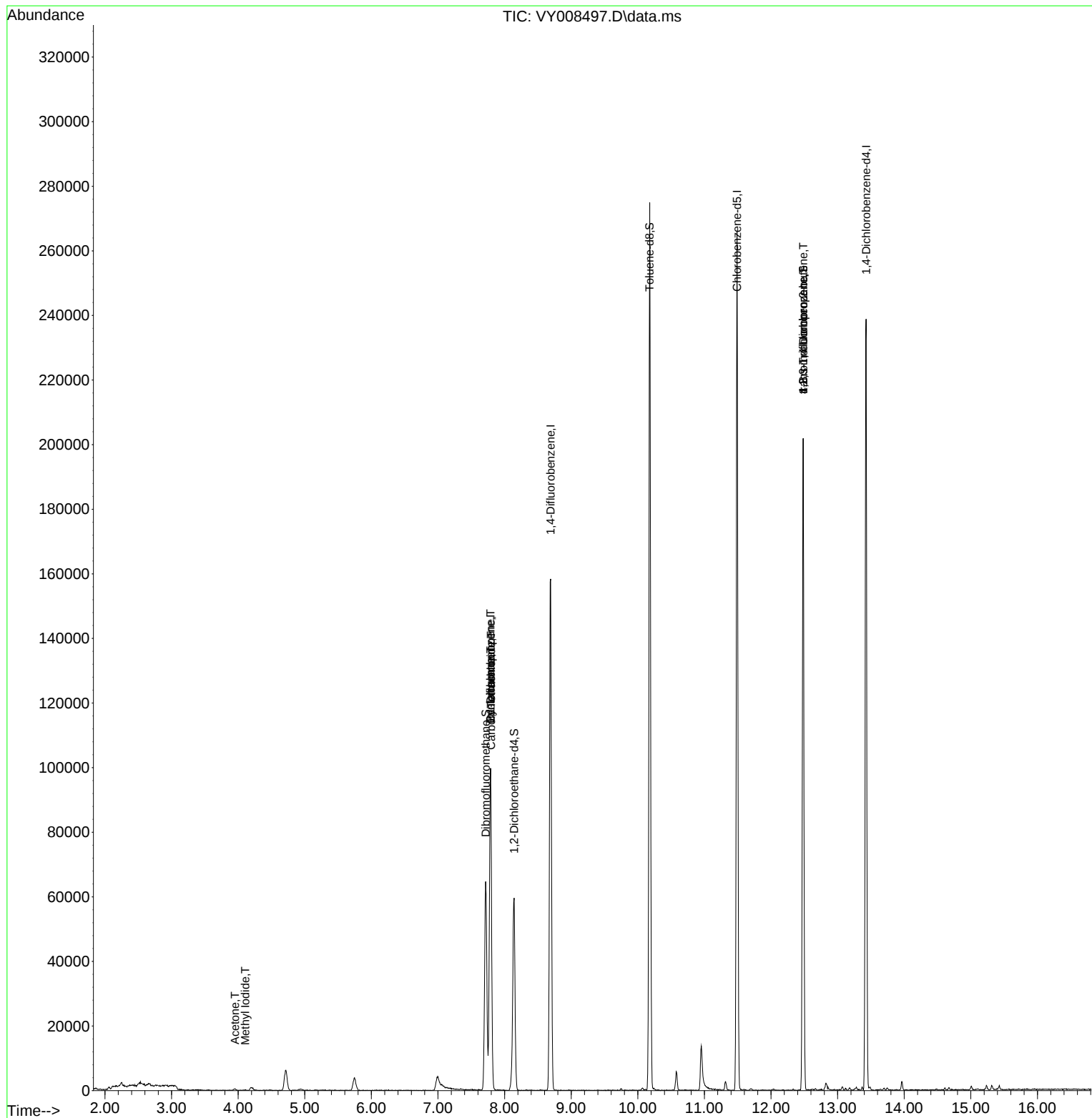
Internal Standards						
1) Pentafluorobenzene	7.789	168	78236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	143192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	140803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	61725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	44047	47.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.700%
35) Dibromofluoromethane	7.716	113	45157	48.864	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.720%
50) Toluene-d8	10.179	98	174627	47.529	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.060%
62) 4-Bromofluorobenzene	12.483	95	56961	45.774	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.540%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	253	1.899	ug/l #	65
11) Tert butyl alcohol	4.911	59	140	Below Cal	#	77
16) Acetone	3.954	43	838	3.908	ug/l #	69
20) Methylene Chloride	4.716	84	5333	Below Cal	#	71
31) Cyclohexane	7.789	56	1583	1.046	ug/l #	5
36) 1,1-Dichloropropene	7.789	75	6232	4.239	ug/l #	51
38) Carbon Tetrachloride	7.795	117	8010	5.244	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	31360	39.258	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	31360	91.074	ug/l #	7

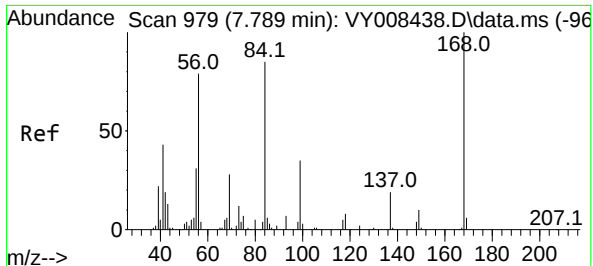
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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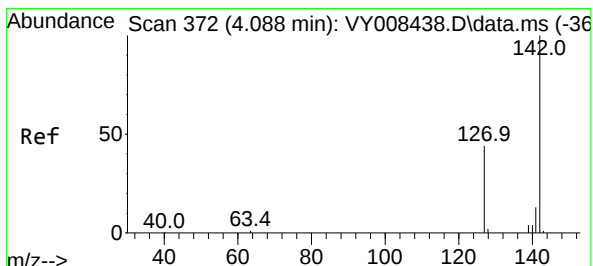
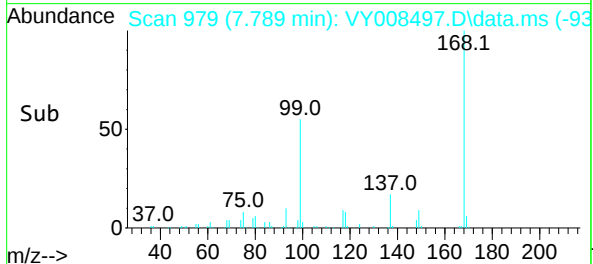
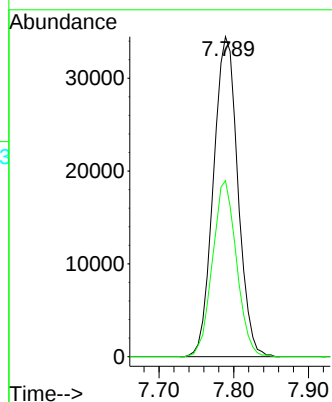
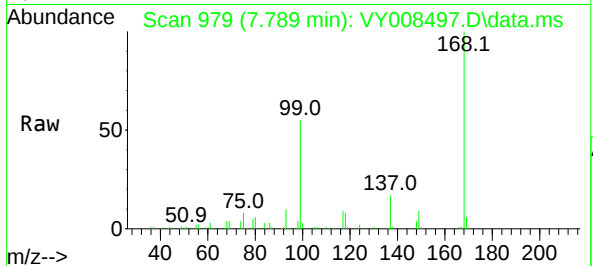




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

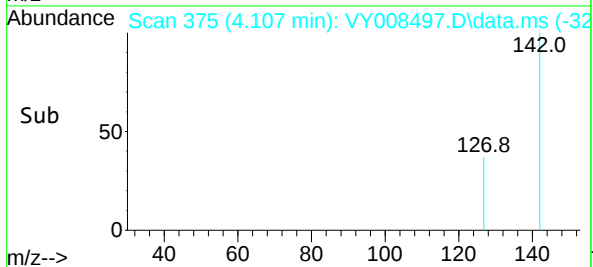
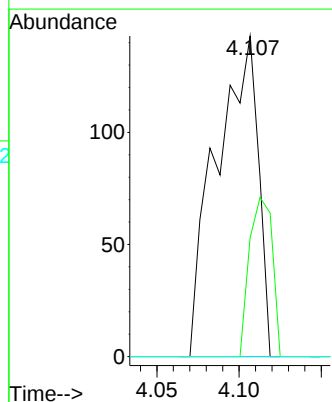
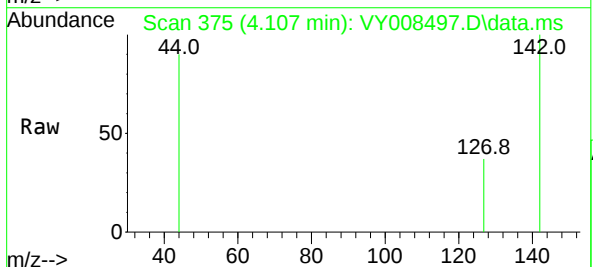
Instrument :
MSVOA_Y
ClientSampleId :
279

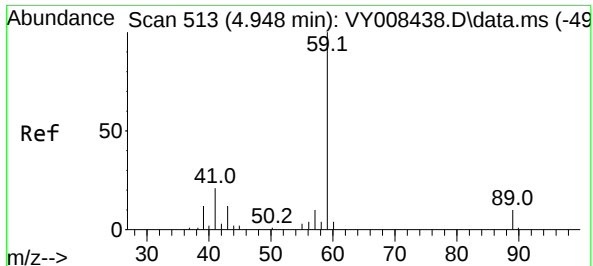
Tgt Ion:168 Resp: 78236
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#10
Methyl Iodide
Concen: 1.899 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.019 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

Tgt Ion:142 Resp: 253
Ion Ratio Lower Upper
142 100
127 27.3 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.911 min Scan# 50

Delta R.T. -0.037 min

Lab File: VY008497.D

Acq: 26 Apr 2022 12:33

Instrument :

MSVOA_Y

ClientSampleId :

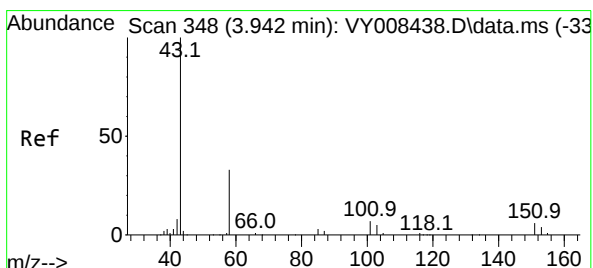
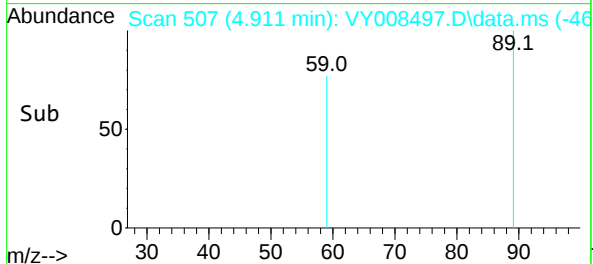
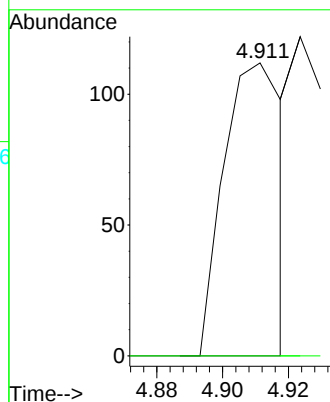
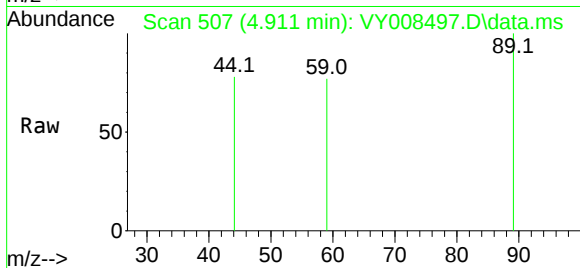
279

Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 3.908 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY008497.D

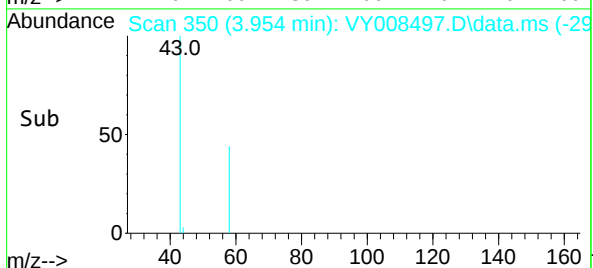
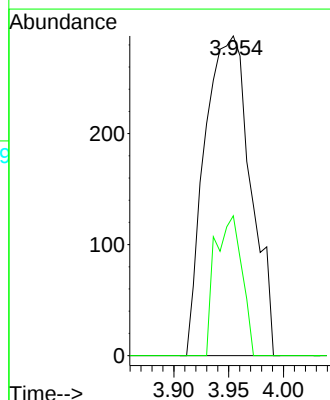
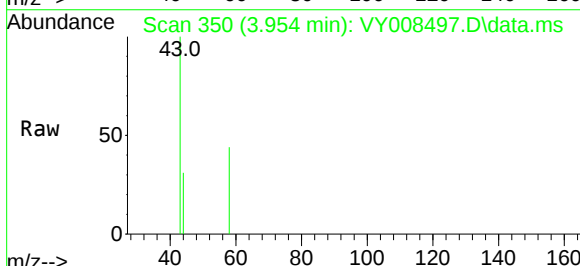
Acq: 26 Apr 2022 12:33

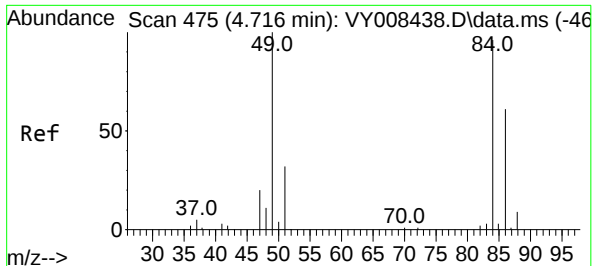
Tgt Ion: 43 Resp: 838

Ion Ratio Lower Upper

43 100

58 43.8 22.0 33.0#

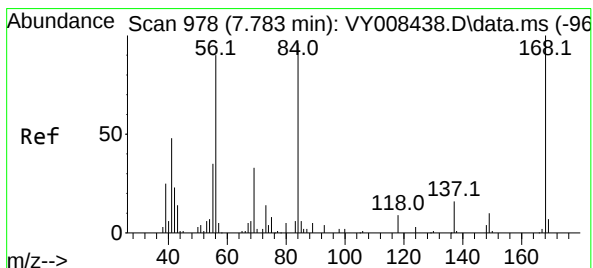
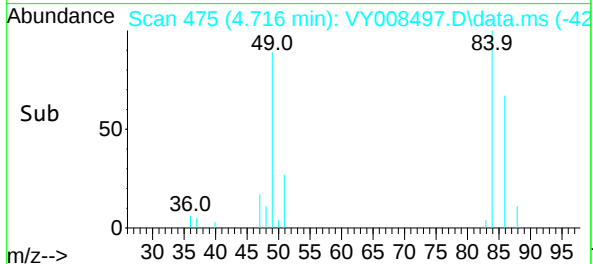
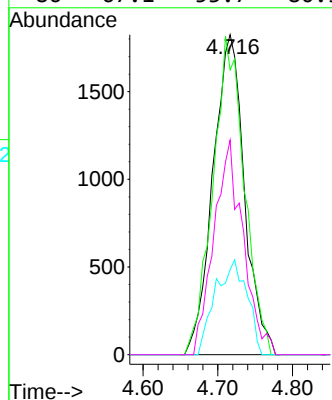
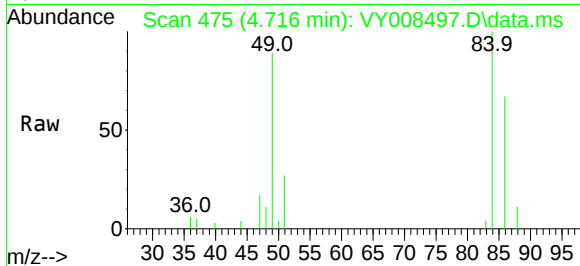




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

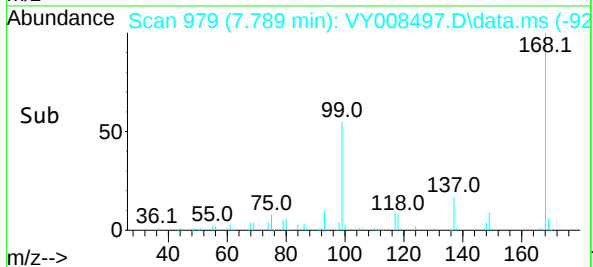
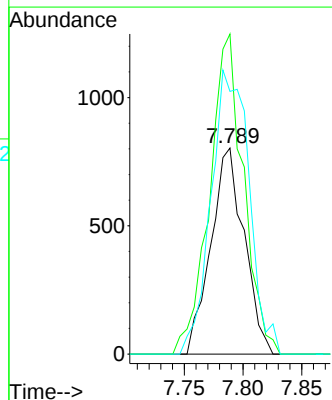
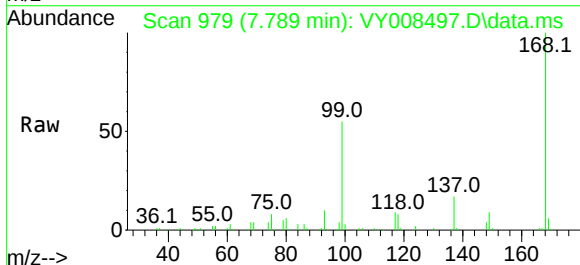
Instrument :
MSVOA_Y
ClientSampleId :
279

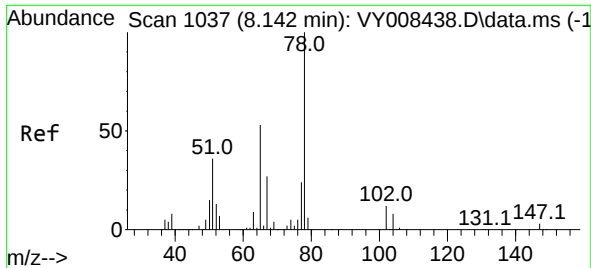
Tgt Ion:	84	Resp:	5333
Ion	Ratio	Lower	Upper
84	100		
49	89.0	114.4	171.6#
51	26.6	35.3	52.9#
86	67.1	53.7	80.5



#31
Cyclohexane
Concen: 1.046 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

Tgt Ion:	56	Resp:	1583
Ion	Ratio	Lower	Upper
56	100		
69	155.4	26.7	40.1#
84	127.5	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 47.849 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008497.D

Acq: 26 Apr 2022 12:33

Instrument :

MSVOA_Y

ClientSampleId :

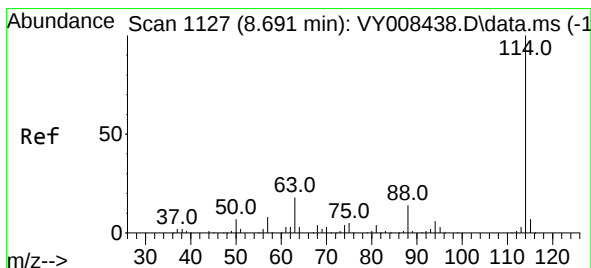
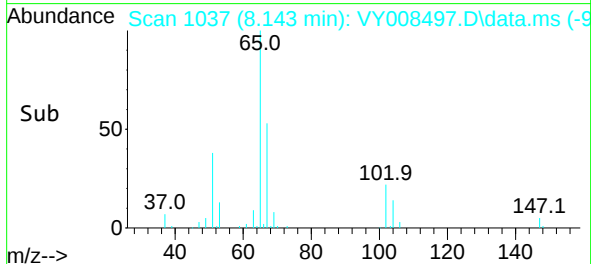
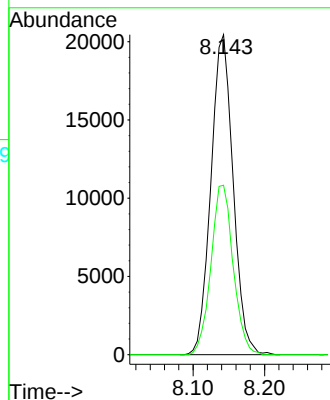
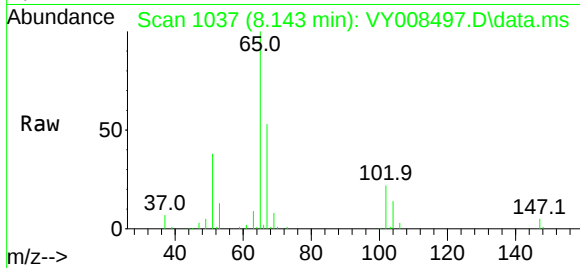
279

Tgt Ion: 65 Resp: 44047

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008497.D

Acq: 26 Apr 2022 12:33

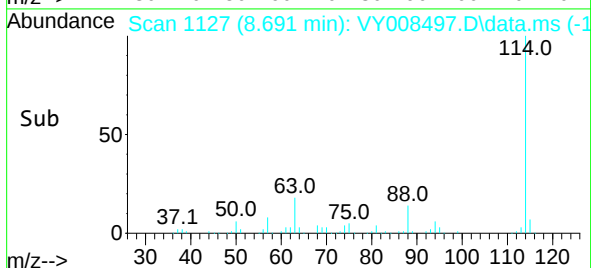
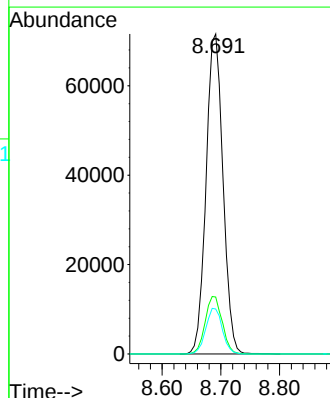
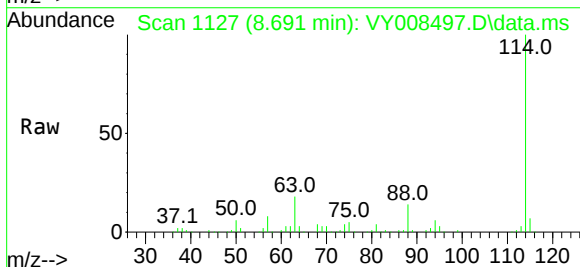
Tgt Ion: 114 Resp: 143192

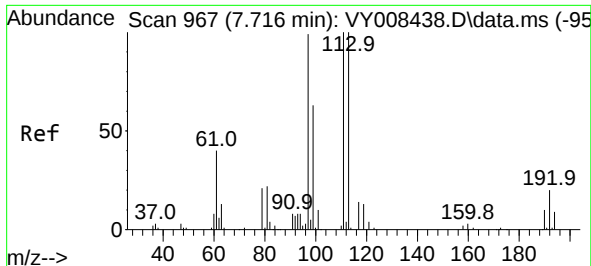
Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 14.0 0.0 31.8

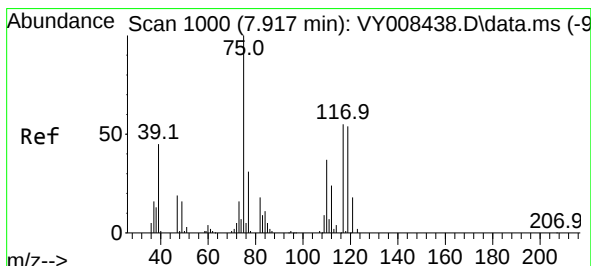
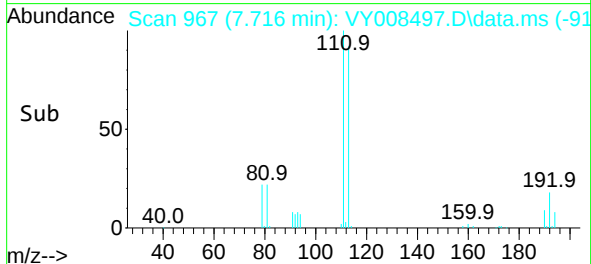
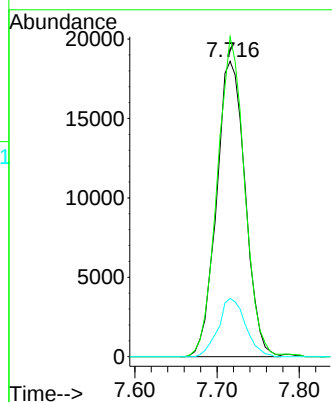
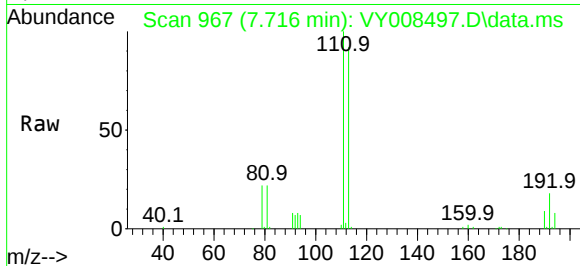




#35
Dibromofluoromethane
Concen: 48.864 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

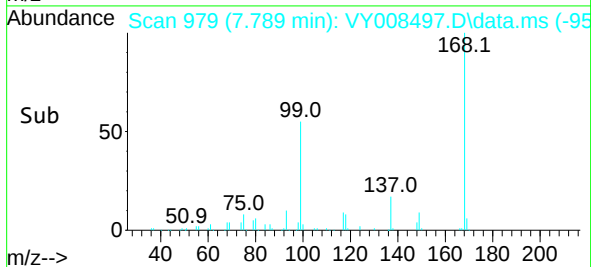
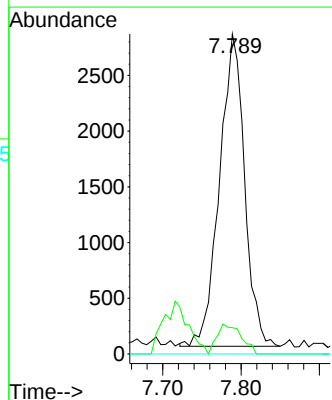
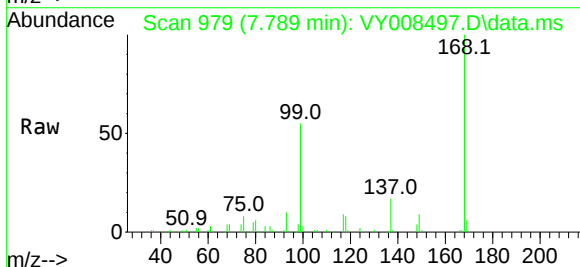
Instrument :
MSVOA_Y
ClientSampleId :
279

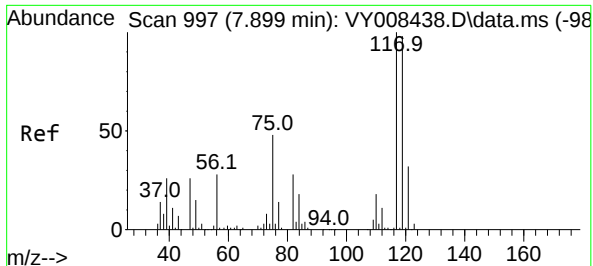
Tgt Ion:113 Resp: 45157
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 18.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.239 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

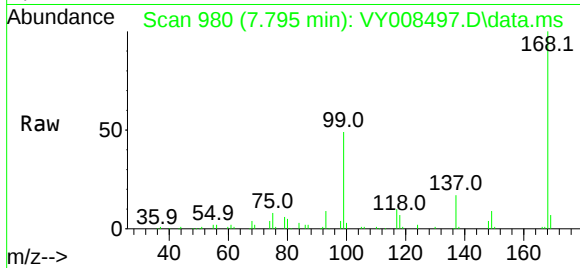
Tgt Ion: 75 Resp: 6232
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#



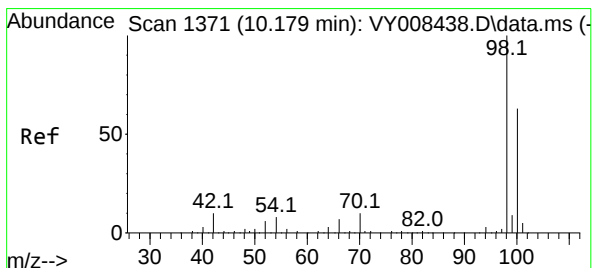
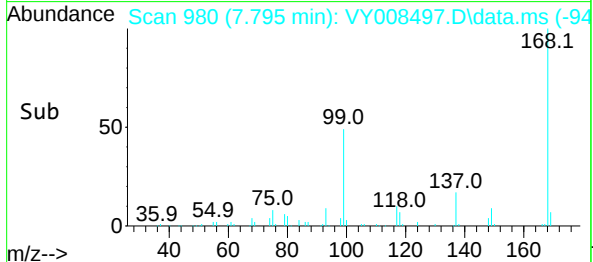
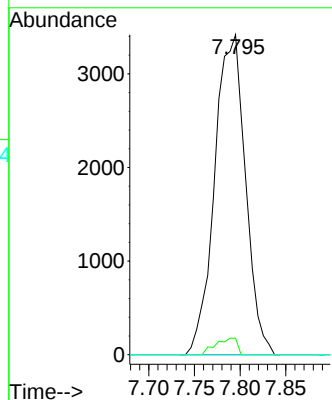


#38
Carbon Tetrachloride
Concen: 5.244 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

Instrument :
MSVOA_Y
ClientSampleId :
279

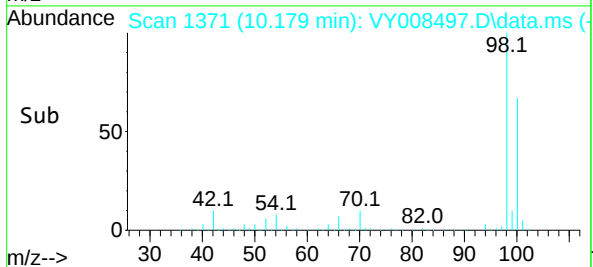
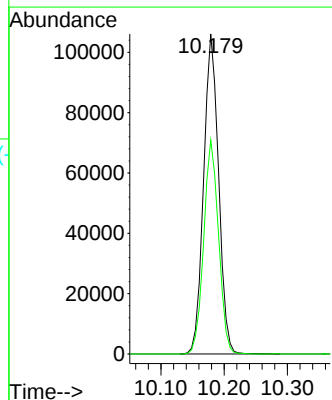
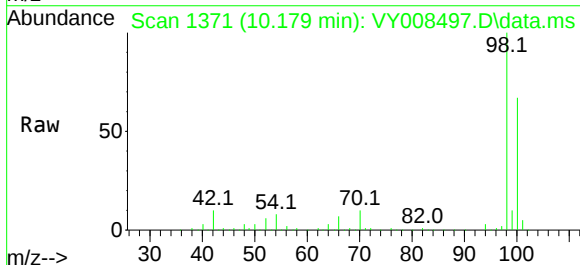


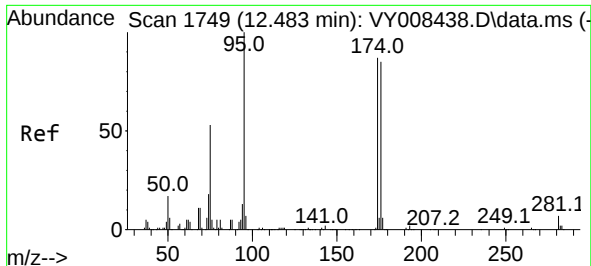
Tgt Ion:117 Resp: 8010
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.529 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

Tgt Ion: 98 Resp: 174627
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.2

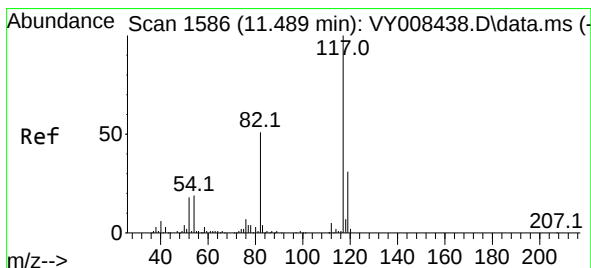
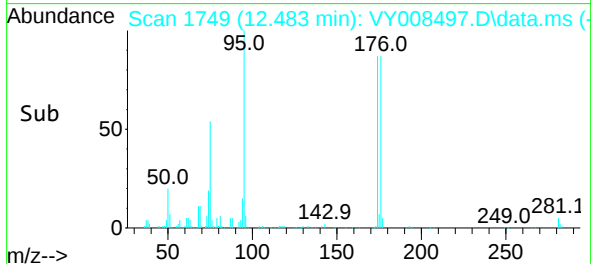
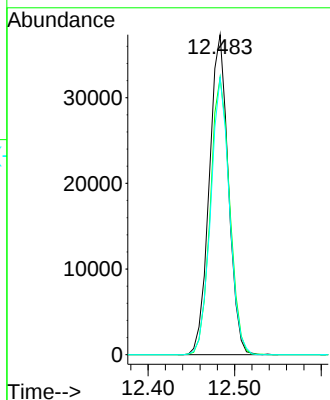
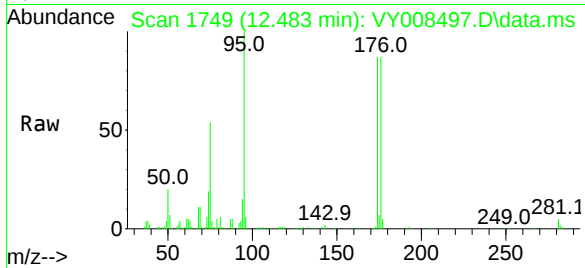




#62
4-Bromofluorobenzene
Concen: 45.774 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

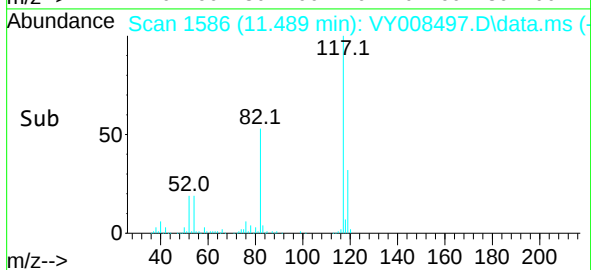
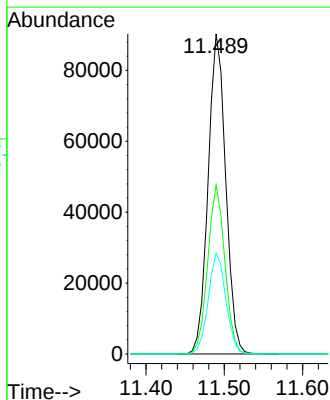
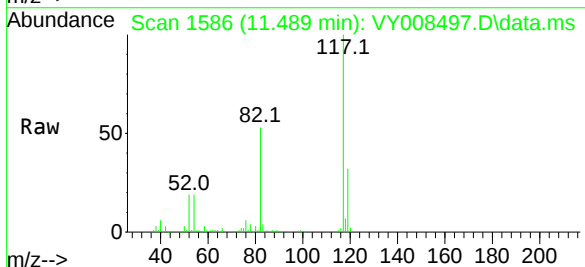
Instrument :
MSVOA_Y
ClientSampleId :
279

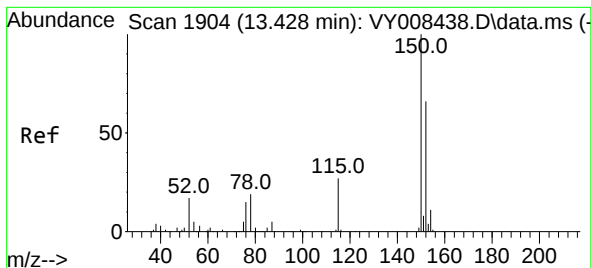
Tgt Ion: 95 Resp: 56961
Ion Ratio Lower Upper
95 100
174 88.0 0.0 177.0
176 85.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008497.D
Acq: 26 Apr 2022 12:33

Tgt Ion: 117 Resp: 140803
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 31.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008497.D

Acq: 26 Apr 2022 12:33

Instrument :

MSVOA_Y

ClientSampleId :

279

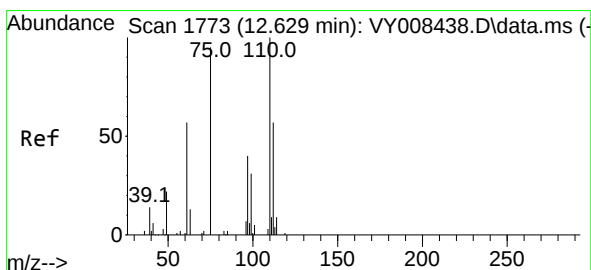
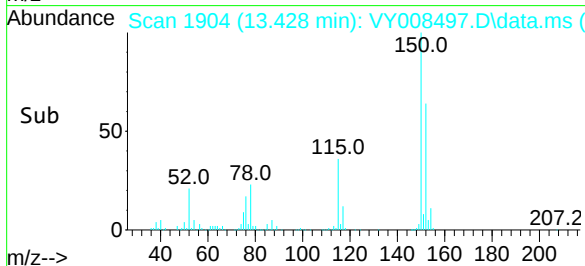
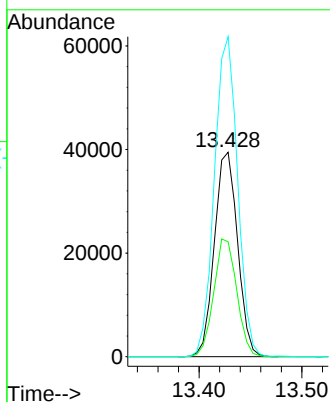
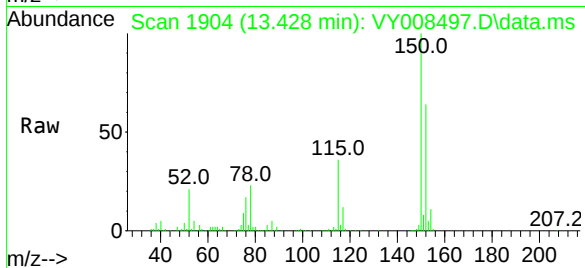
Tgt Ion:152 Resp: 61725

Ion Ratio Lower Upper

152 100

115 57.2 28.2 84.7

150 156.6 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 39.258 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY008497.D

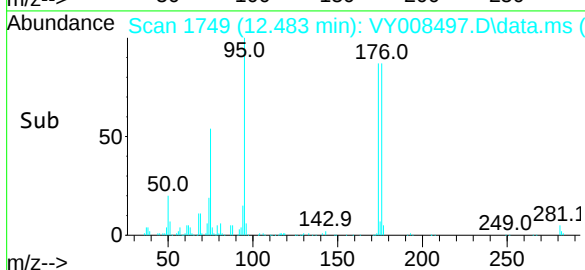
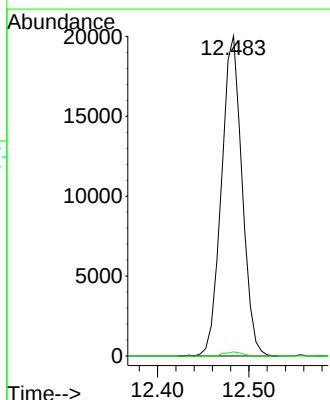
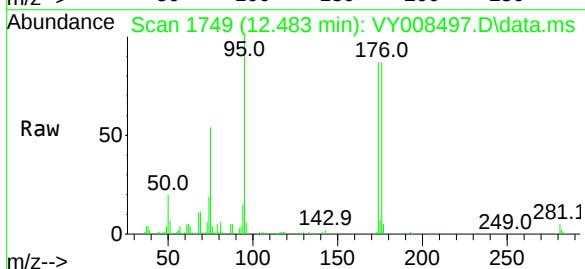
Acq: 26 Apr 2022 12:33

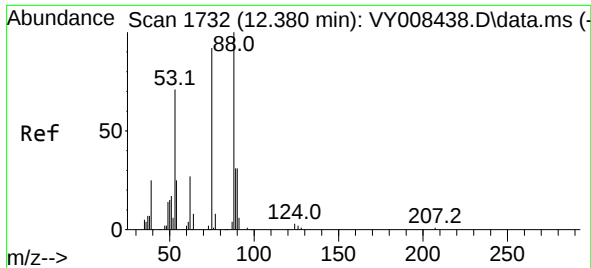
Tgt Ion: 75 Resp: 31360

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 91.074 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008497.D
 Acq: 26 Apr 2022 12:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 279

Tgt Ion: 75 Resp: 31360
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

