

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016713.D
 Acq On : 19 Dec 2023 23:10
 Operator : SY/MD
 Sample : 05827-04
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:41:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	60349	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.710	114	101660	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	94798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	37998	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	33686	67.484	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.960%
35) Dibromofluoromethane	7.734	113	35544	59.365	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.720%
50) Toluene-d8	10.197	98	120569	55.603	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.200%
62) 4-Bromofluorobenzene	12.495	95	31668	51.364	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.720%

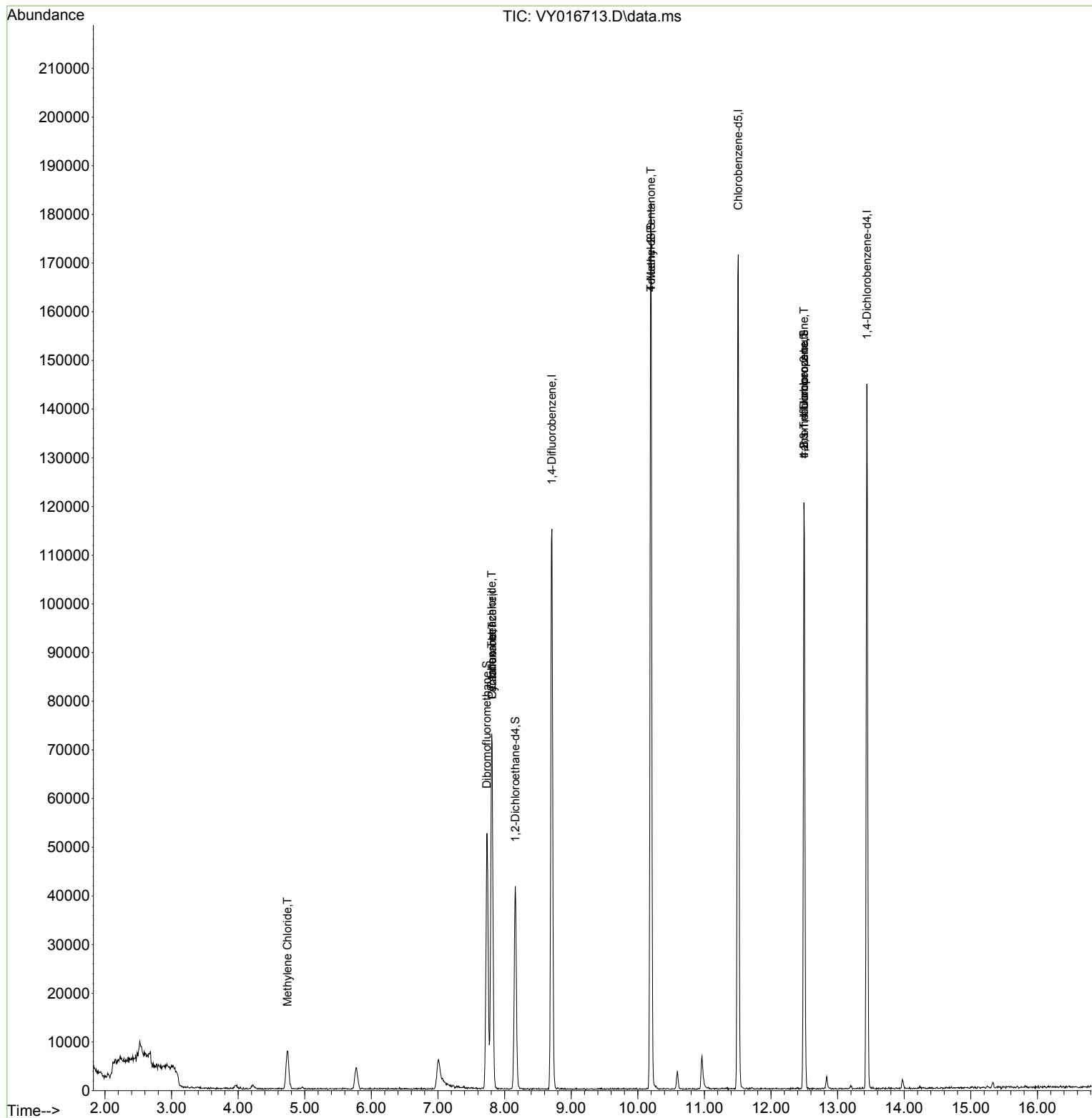
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.125	50	149	Below Cal	#	41
11) Tert butyl alcohol	4.966	59	285	Below Cal	#	73
16) Acetone	3.954	43	1540	Below Cal	#	67
20) Methylene Chloride	4.741	84	5935	6.418	ug/l	93
25) 2-Butanone	7.003	43	259	Below Cal	#	42
31) Cyclohexane	7.813	56	1395	1.707	ug/l	58
38) Carbon Tetrachloride	7.807	117	5957	6.096	ug/l	16
51) 4-Methyl-2-Pentanone	10.197	43	592	1.731	ug/l	1
76) 1,2,3-Trichloropropane	12.495	75	17446	52.819	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.495	75	17446	121.186	ug/l	18

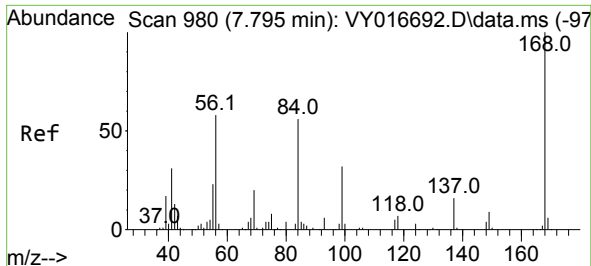
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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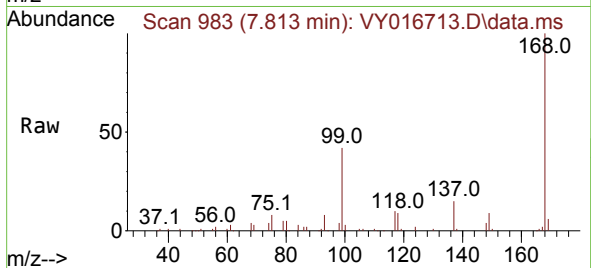
Quant Time: Dec 20 06:41:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 20 05:26:40 2023
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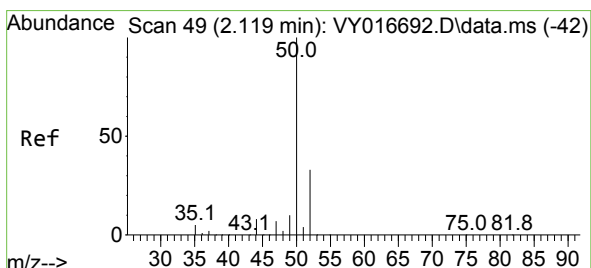
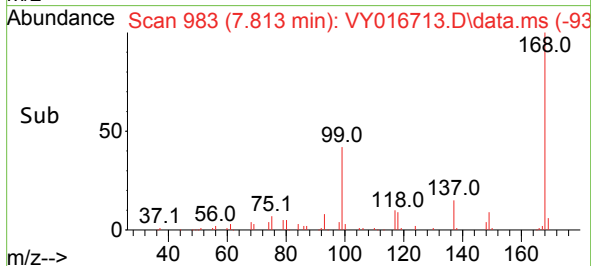
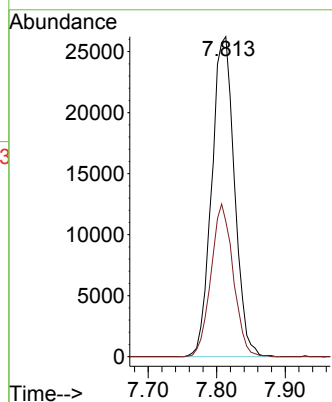


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016713.D
Acq: 19 Dec 2023 23:10

Instrument :
MSVOA_Y
ClientSampleId :

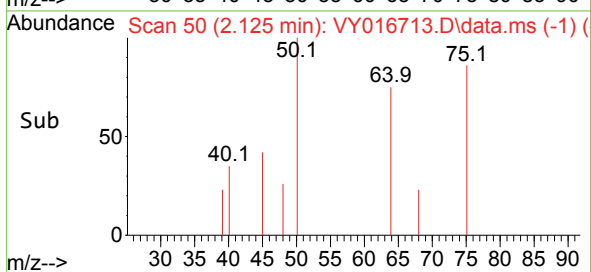
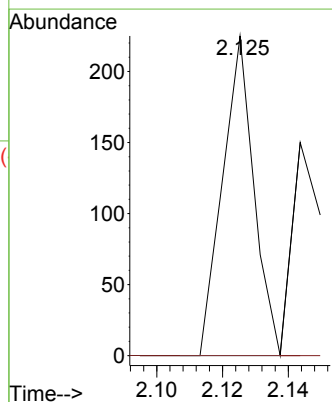
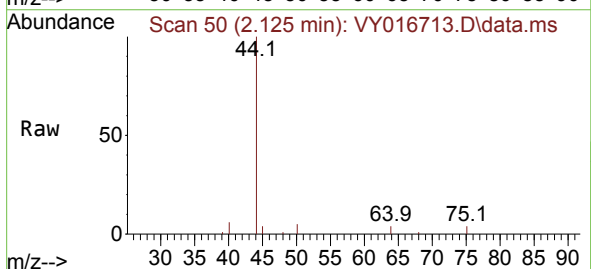


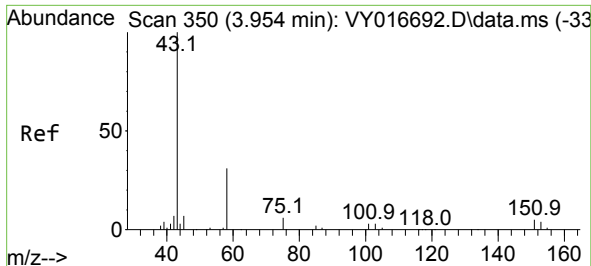
Tgt Ion:168 Resp: 60349
Ion Ratio Lower Upper
168 100
99 42.3 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016713.D
Acq: 19 Dec 2023 23:10

Tgt Ion: 50 Resp: 149
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#





#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY016713.D

Acq: 19 Dec 2023 23:10

Instrument :

MSVOA_Y

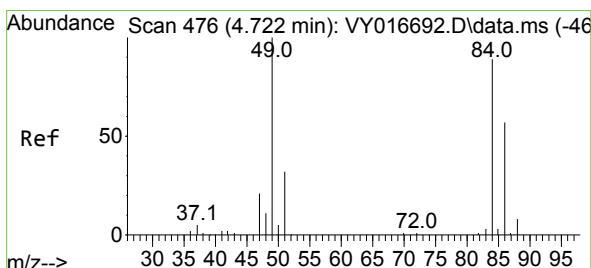
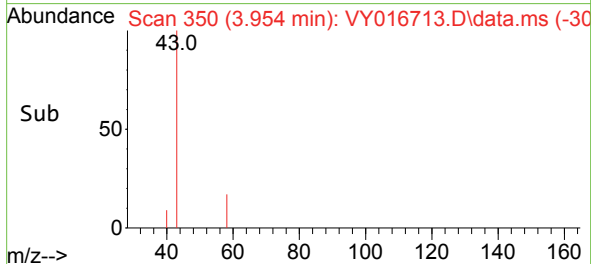
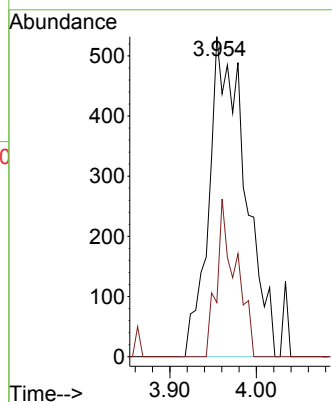
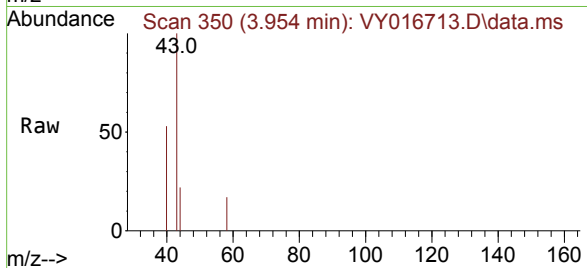
ClientSampleId :

Tgt Ion: 43 Resp: 1540

Ion Ratio Lower Upper

43 100

58 16.9 29.0 43.4#



#20

Methylene Chloride

Concen: 6.418 ug/l

RT: 4.741 min Scan# 479

Delta R.T. 0.019 min

Lab File: VY016713.D

Acq: 19 Dec 2023 23:10

Tgt Ion: 84 Resp: 5935

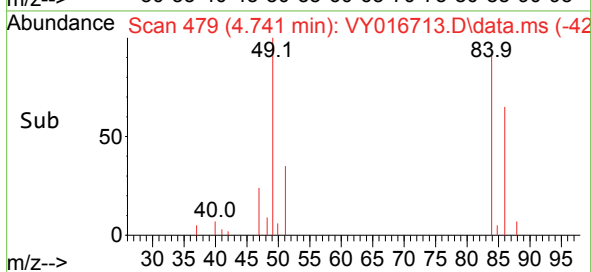
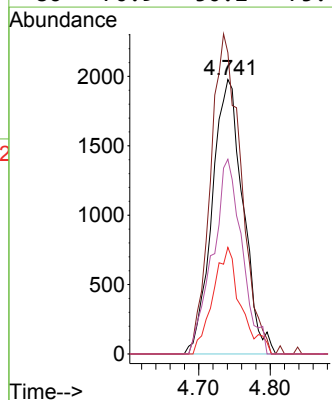
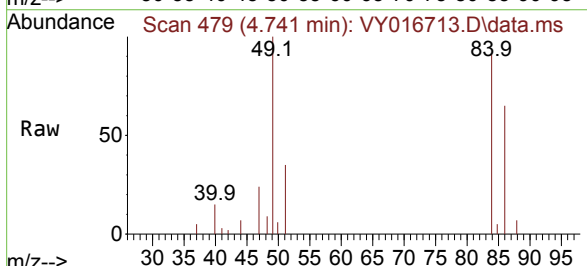
Ion Ratio Lower Upper

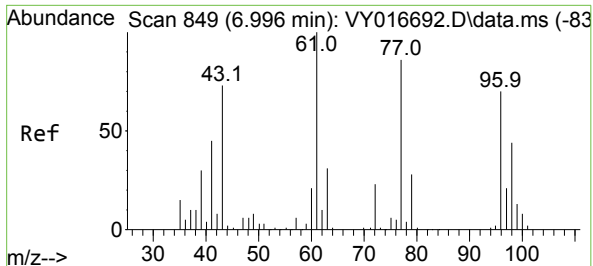
84 100

49 109.8 83.8 125.8

51 38.8 27.2 40.8

86 70.9 50.2 75.4

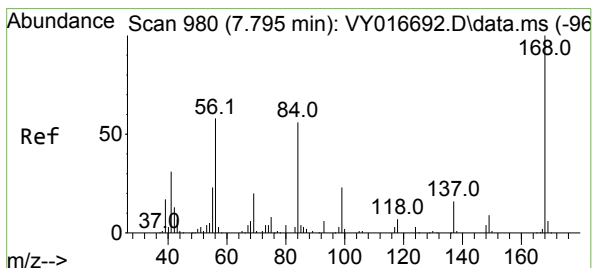
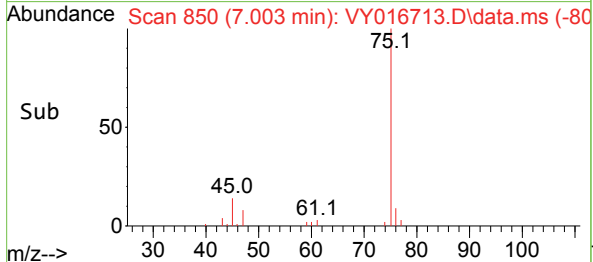
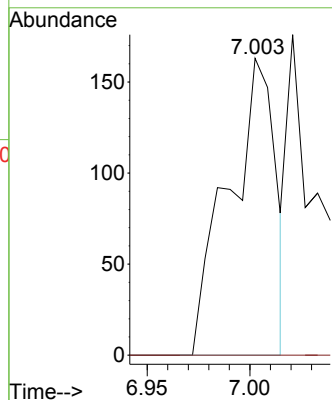
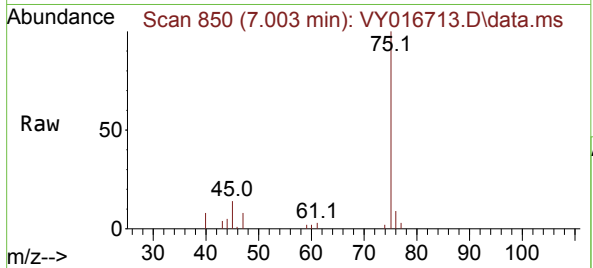




#25
2-Butanone
Concen: Below Cal
RT: 7.003 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY016713.D
Acq: 19 Dec 2023 23:10

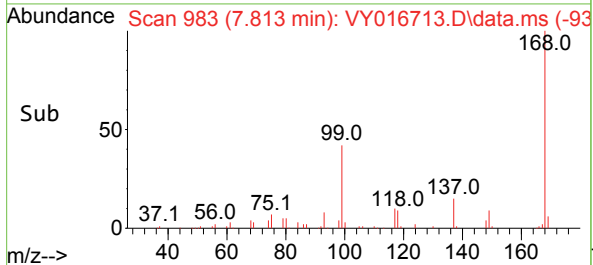
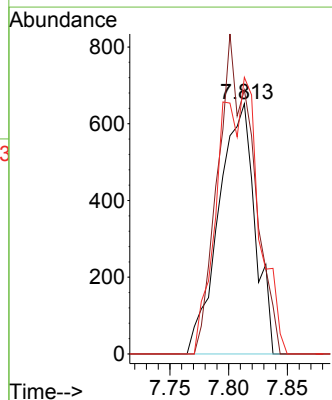
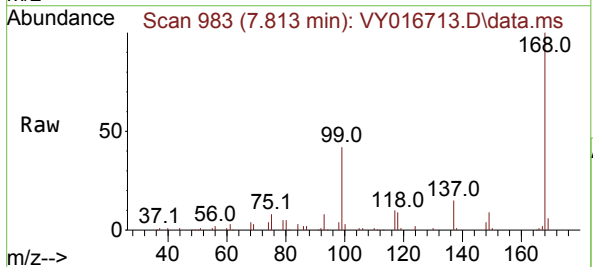
Instrument :
MSVOA_Y
ClientSampleId :

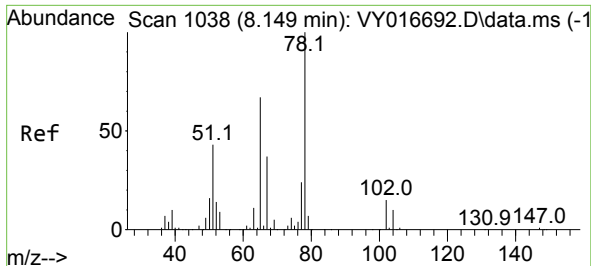
Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
72 0.0 26.3 39.5#



#31
Cyclohexane
Concen: 1.707 ug/l
RT: 7.813 min Scan# 983
Delta R.T. 0.018 min
Lab File: VY016713.D
Acq: 19 Dec 2023 23:10

Tgt Ion: 56 Resp: 1395
Ion Ratio Lower Upper
56 100
69 105.5 27.5 41.3#
84 110.6 78.1 117.1





#33

1,2-Dichloroethane-d4

Concen: 67.484 ug/l

RT: 8.161 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016713.D

Acq: 19 Dec 2023 23:10

Instrument :

MSVOA_Y

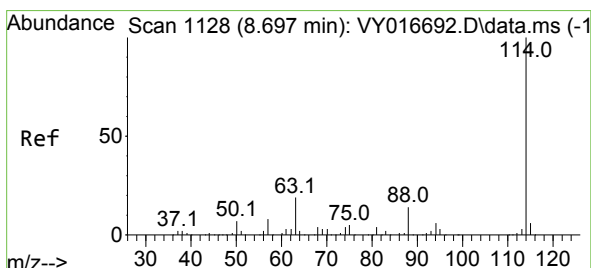
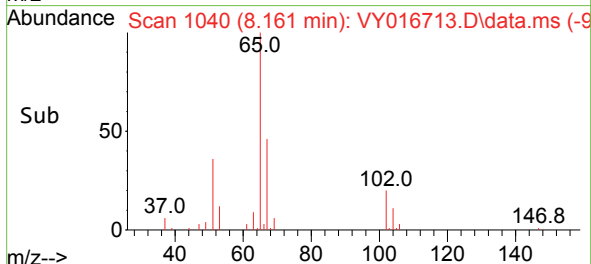
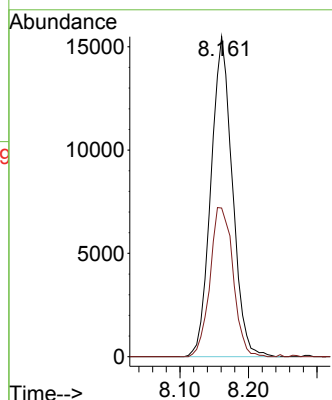
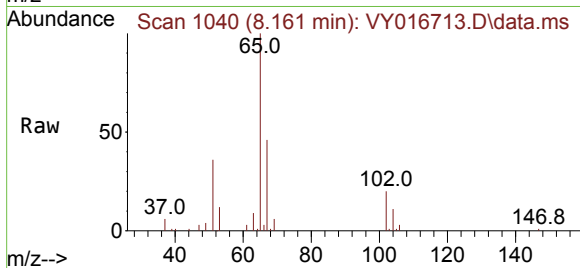
ClientSampleId :

Tgt Ion: 65 Resp: 33686

Ion Ratio Lower Upper

65 100

67 50.0 0.0 108.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY016713.D

Acq: 19 Dec 2023 23:10

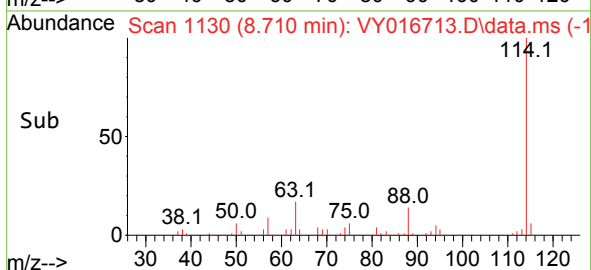
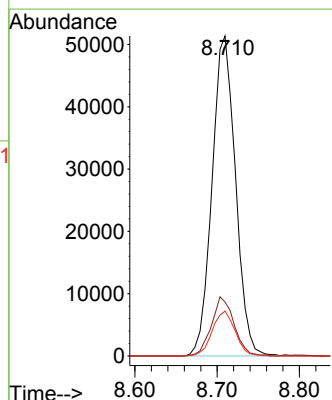
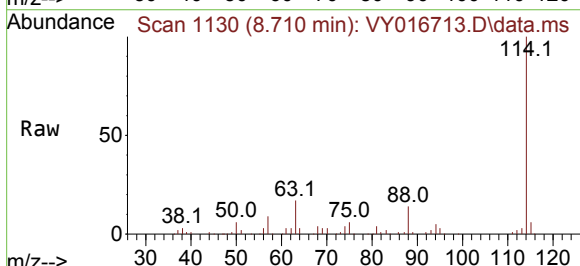
Tgt Ion:114 Resp: 101660

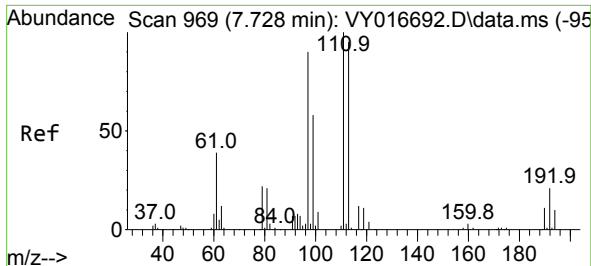
Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.0

88 14.0 0.0 29.2

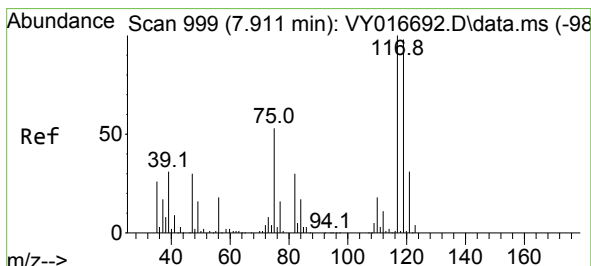
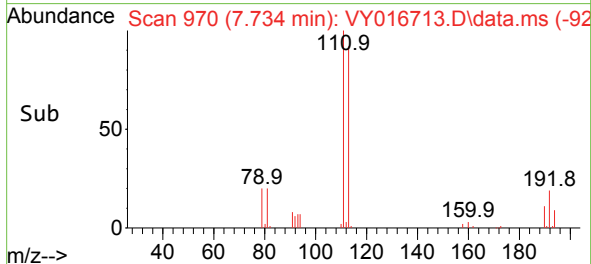
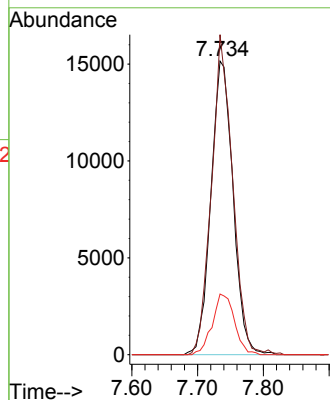
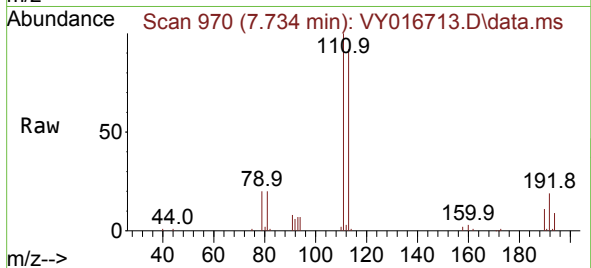




#35
Dibromofluoromethane
Concen: 59.365 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016713.D
Acq: 19 Dec 2023 23:10

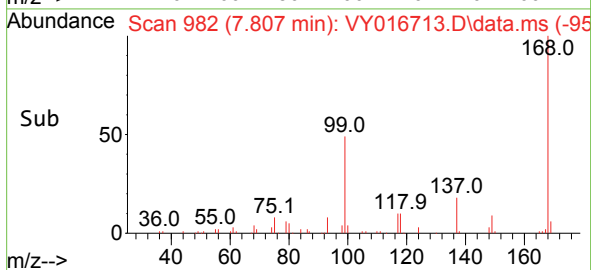
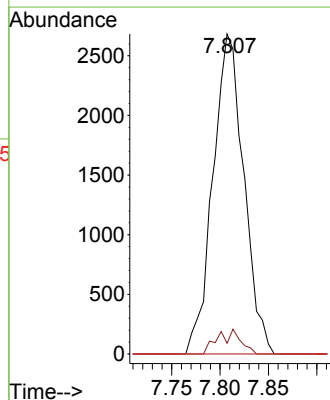
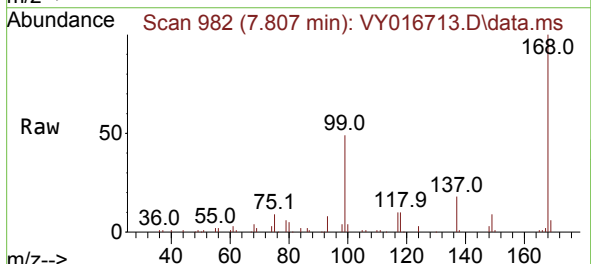
Instrument :
MSVOA_Y
ClientSampleId :

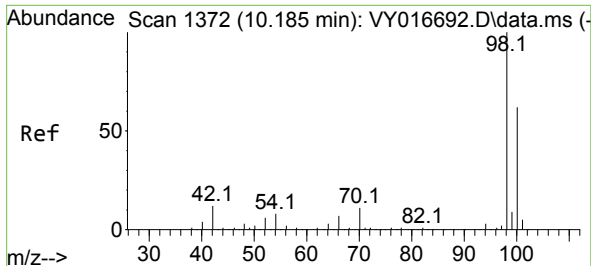
Tgt Ion:113 Resp: 35544
Ion Ratio Lower Upper
113 100
111 103.7 81.9 122.9
192 20.7 16.2 24.4



#38
Carbon Tetrachloride
Concen: 6.096 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.104 min
Lab File: VY016713.D
Acq: 19 Dec 2023 23:10

Tgt Ion:117 Resp: 5957
Ion Ratio Lower Upper
117 100
119 3.4 75.0 112.4#
121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 55.603 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.012 min

Lab File: VY016713.D

Acq: 19 Dec 2023 23:10

Instrument :

MSVOA_Y

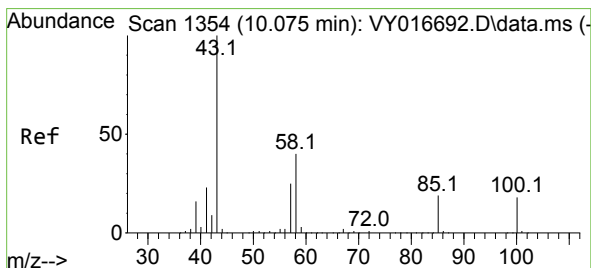
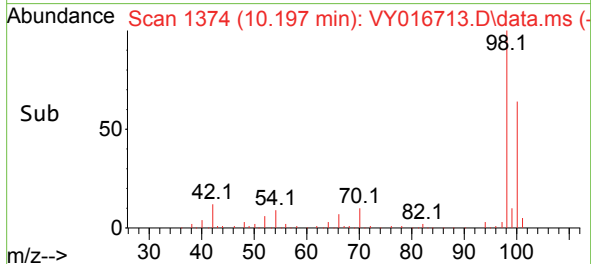
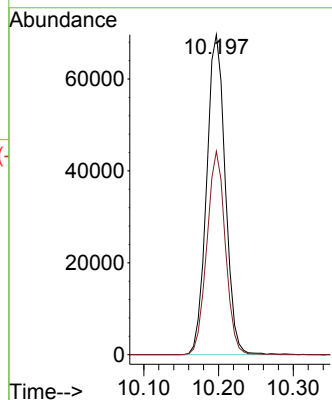
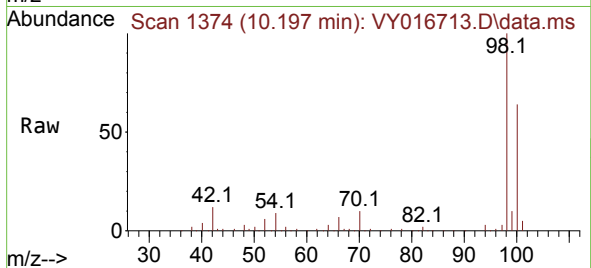
ClientSampleId :

Tgt Ion: 98 Resp: 120569

Ion Ratio Lower Upper

98 100

100 63.0 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 1.731 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.122 min

Lab File: VY016713.D

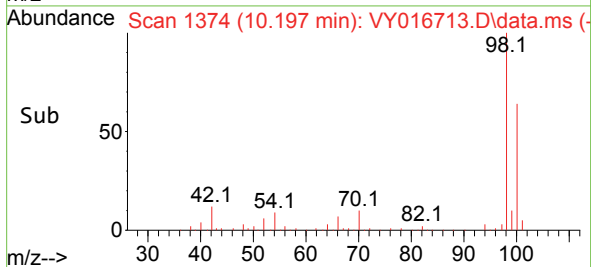
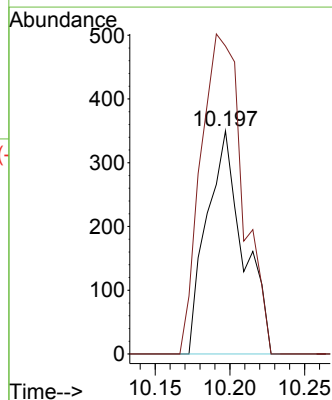
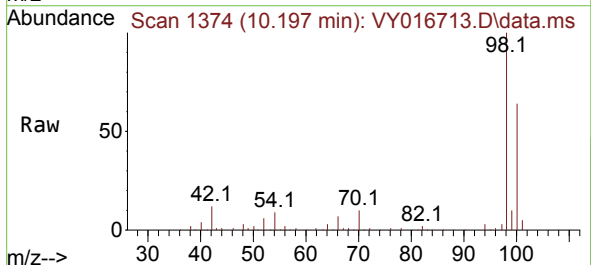
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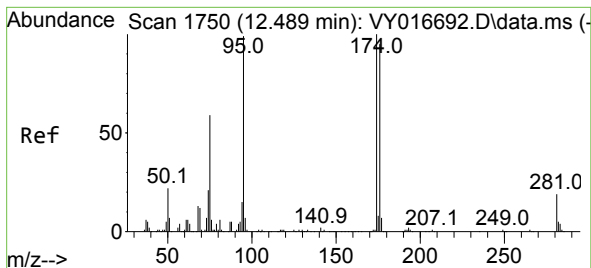
Tgt Ion: 43 Resp: 592

Ion Ratio Lower Upper

43 100

58 166.0 35.8 53.8#

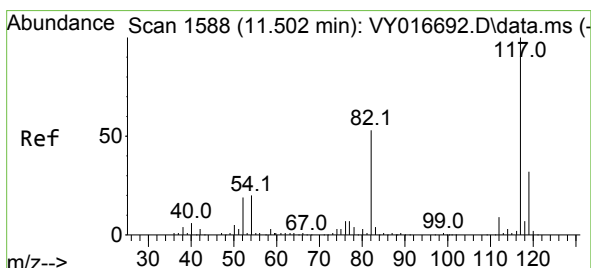
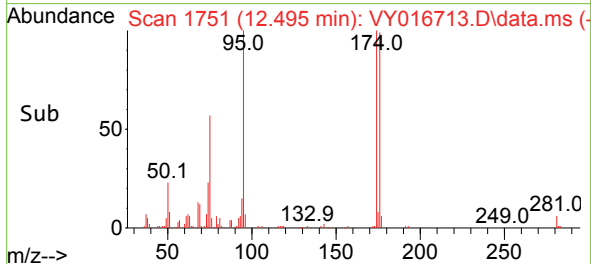
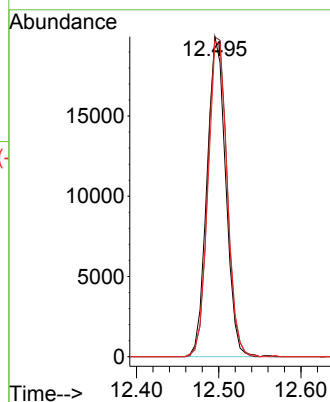
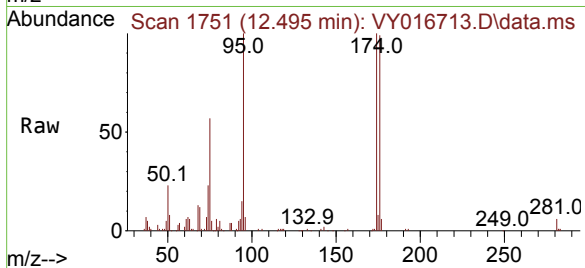




#62
4-Bromofluorobenzene
Concen: 51.364 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016713.D
Acq: 19 Dec 2023 23:10

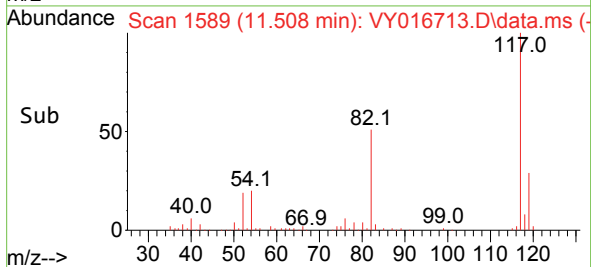
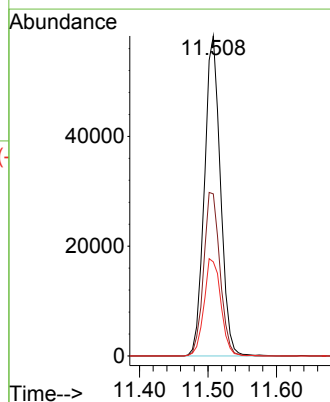
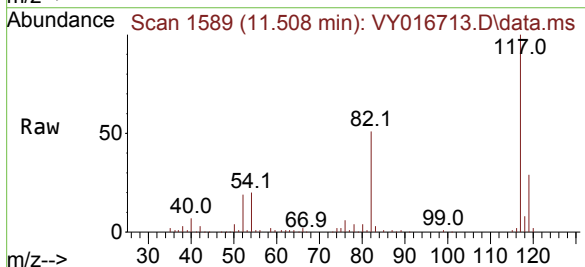
Instrument :
MSVOA_Y
ClientSampleId :

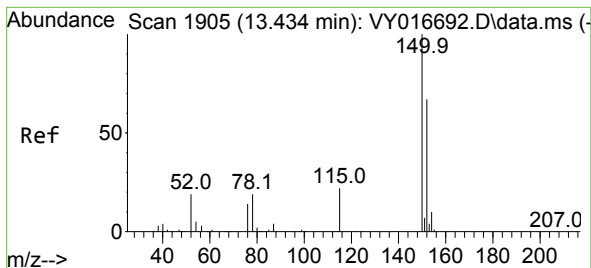
Tgt Ion: 95 Resp: 31668
Ion Ratio Lower Upper
95 100
174 102.0 0.0 181.0
176 100.6 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016713.D
Acq: 19 Dec 2023 23:10

Tgt Ion: 117 Resp: 94798
Ion Ratio Lower Upper
117 100
82 50.6 41.0 61.6
119 29.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016713.D

Acq: 19 Dec 2023 23:10

Instrument :

MSVOA_Y

ClientSampleId :

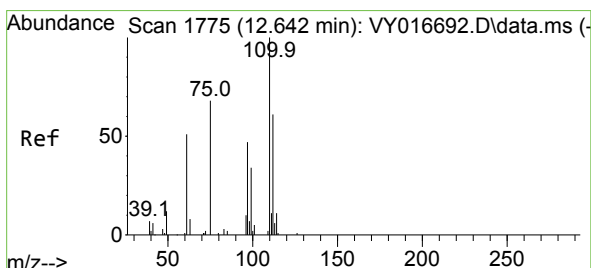
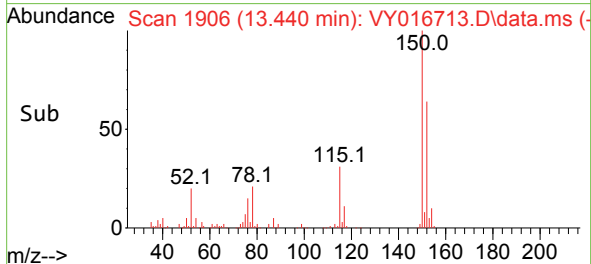
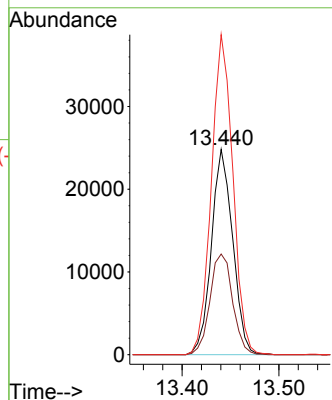
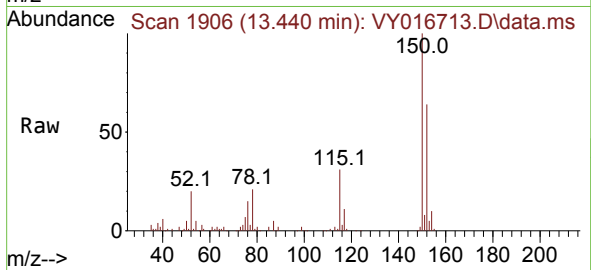
Tgt Ion:152 Resp: 37998

Ion Ratio Lower Upper

152 100

115 52.1 28.2 84.7

150 157.0 0.0 350.6



#76

1,2,3-Trichloropropane

Concen: 52.819 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016713.D

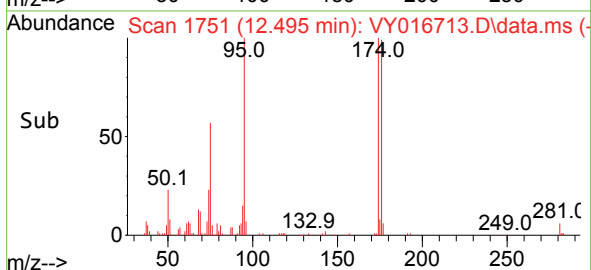
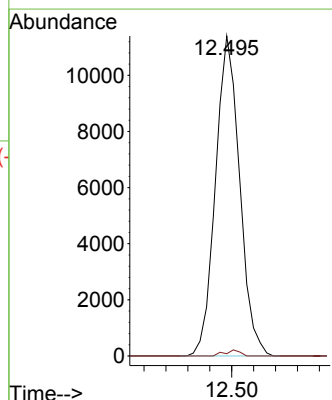
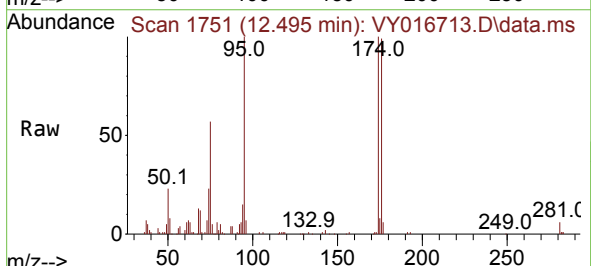
Acq: 19 Dec 2023 23:10

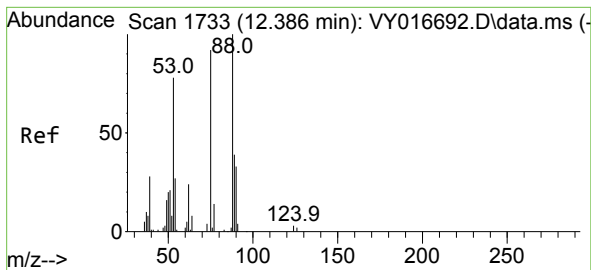
Tgt Ion: 75 Resp: 17446

Ion Ratio Lower Upper

75 100

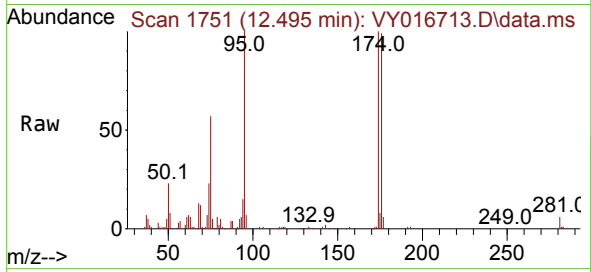
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.186 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016713.D
 Acq: 19 Dec 2023 23:10

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	17446
Ion	Ratio	Lower	Upper
75	100		
53	0.0	62.9	94.3#
89	0.0	35.8	53.8#

