

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016677.D
 Acq On : 16 Dec 2023 18:23
 Operator : SY/MD
 Sample : 05758-28RE
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 18 00:43:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	193803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	360177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	350199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140734	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	99001	62.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.820%
35) Dibromofluoromethane	7.728	113	115120	59.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	119.180%
50) Toluene-d8	10.185	98	425525	55.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.240%
62) 4-Bromofluorobenzene	12.489	95	132286	53.430	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.860%

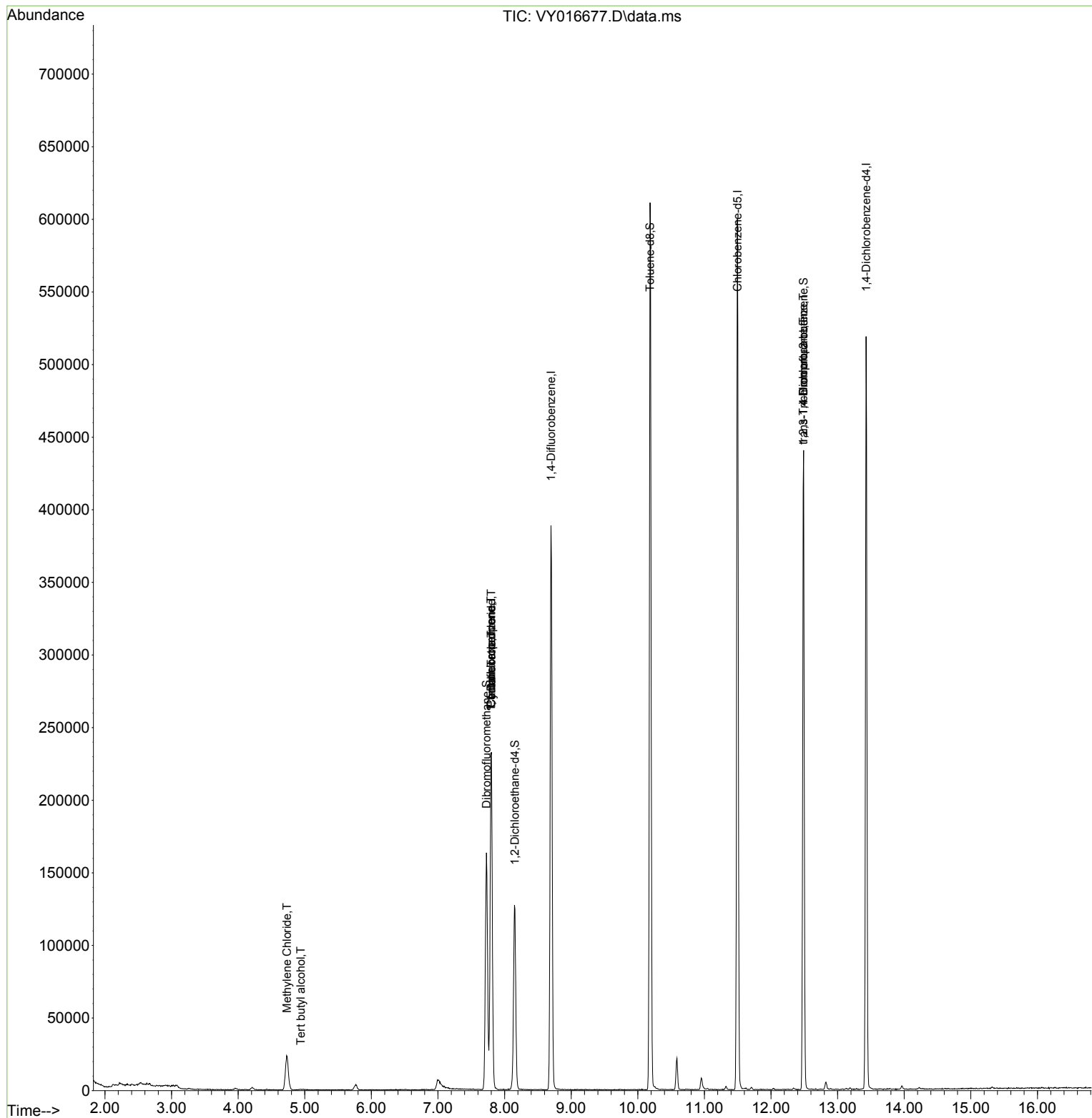
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	264	2.064	ug/l #	89
16) Acetone	3.960	43	2007	Below Cal		95
20) Methylene Chloride	4.734	84	18937	4.773	ug/l #	76
25) 2-Butanone	6.996	43	342	Below Cal	#	80
31) Cyclohexane	7.801	56	3218	1.028	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	13028	4.071	ug/l #	51
38) Carbon Tetrachloride	7.801	117	18588	5.783	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	65471	50.788	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65471	116.061	ug/l #	11
95) Naphthalene	15.238	128	467	Below Cal	#	69

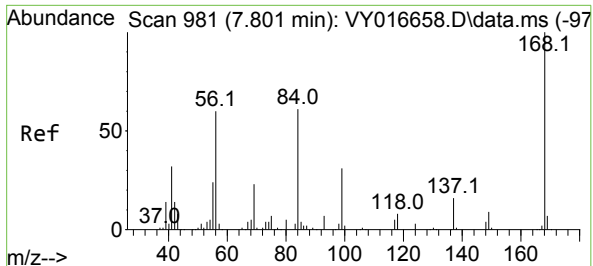
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

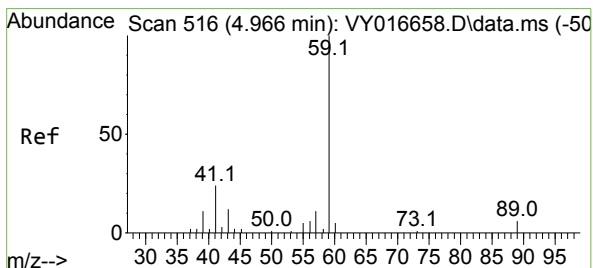
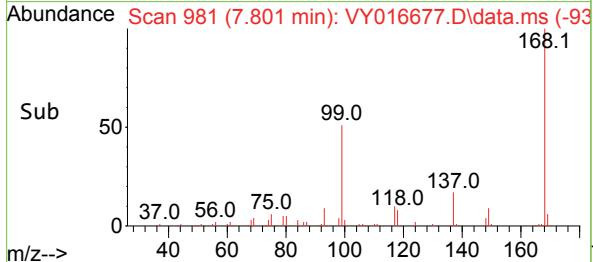
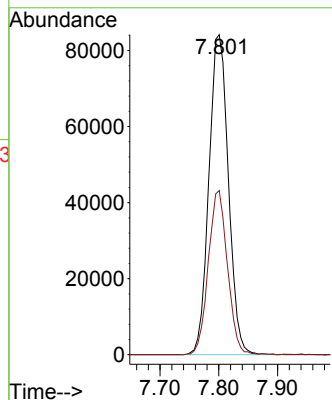
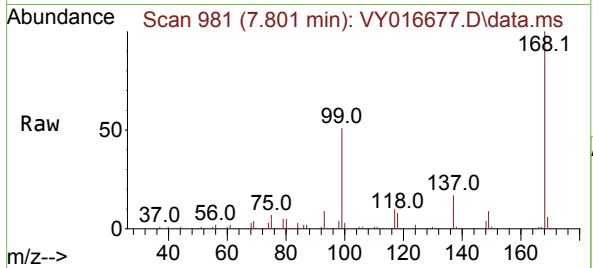




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

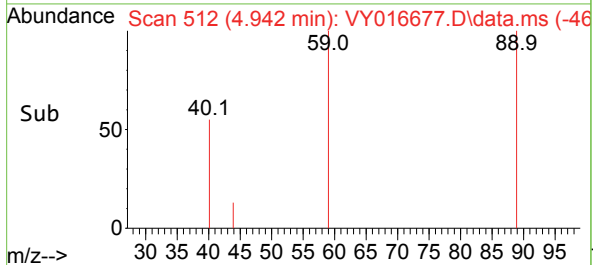
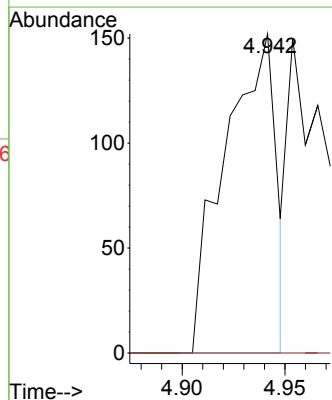
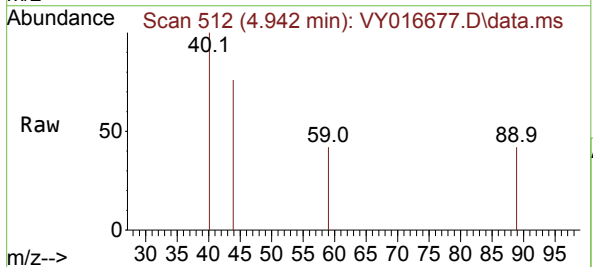
Instrument :
MSVOA_Y
ClientSampleId :

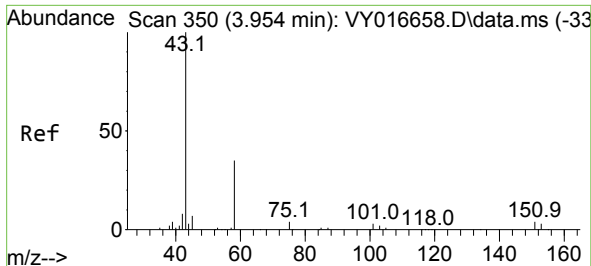
Tgt Ion:168 Resp: 193803
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.064 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.025 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

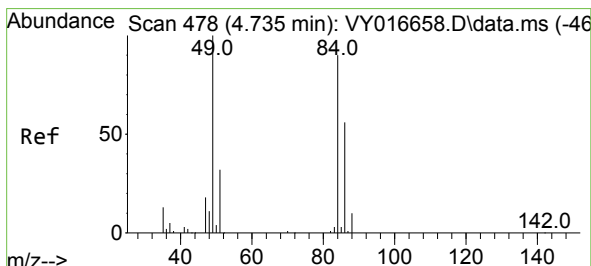
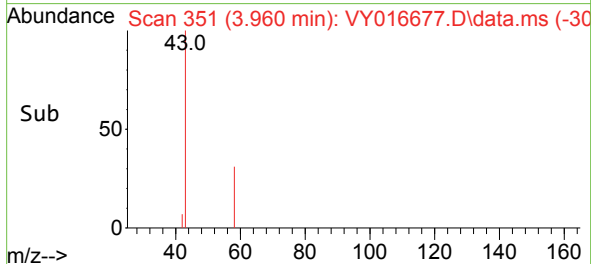
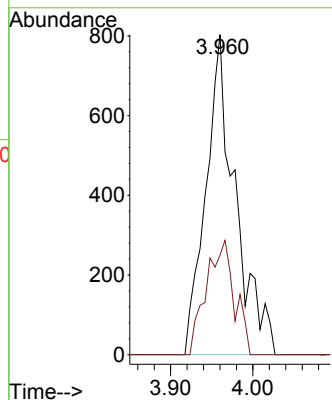
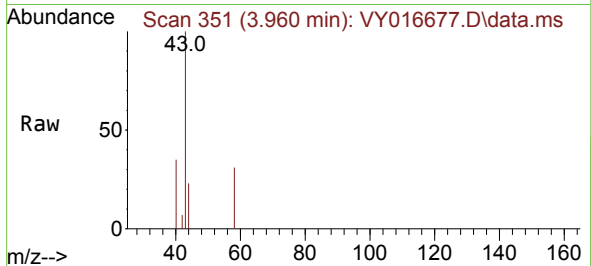




#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

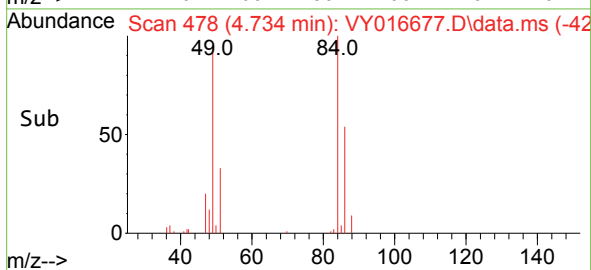
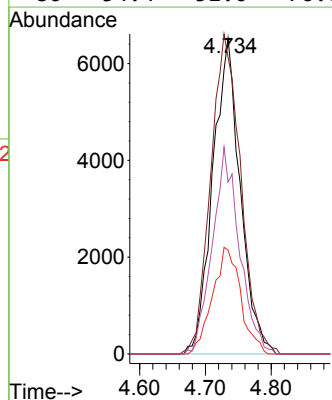
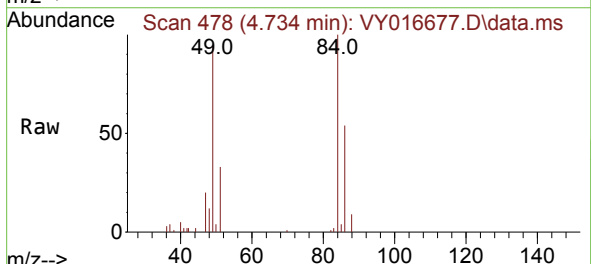
Instrument :
MSVOA_Y
ClientSampleId :

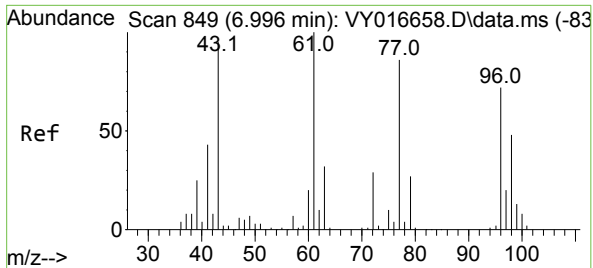
Tgt Ion: 43 Resp: 2007
Ion Ratio Lower Upper
43 100
58 31.1 22.7 34.1



#20
Methylene Chloride
Concen: 4.773 ug/l
RT: 4.734 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 84 Resp: 18937
Ion Ratio Lower Upper
84 100
49 94.0 106.9 160.3#
51 32.9 33.2 49.8#
86 54.4 51.0 76.6





#25

2-Butanone

Concen: Below Cal

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY016677.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_Y

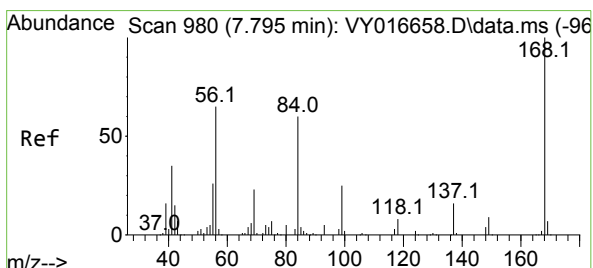
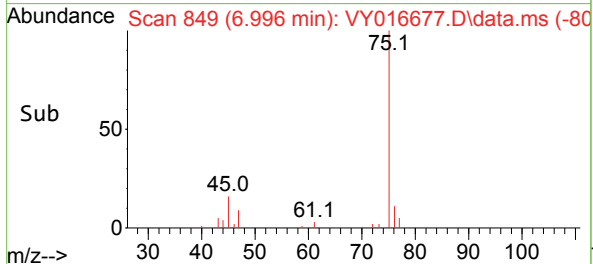
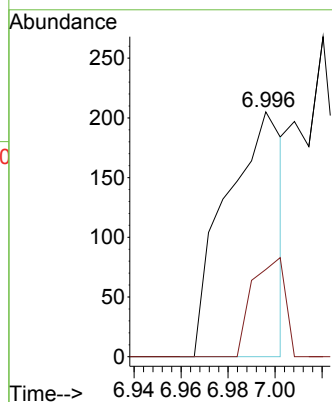
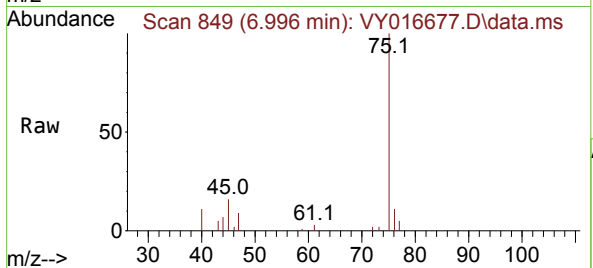
ClientSampleId :

Tgt Ion: 43 Resp: 342

Ion Ratio Lower Upper

43 100

72 35.6 20.5 30.7#



#31

Cyclohexane

Concen: 1.028 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY016677.D

Acq: 16 Dec 2023 18:23

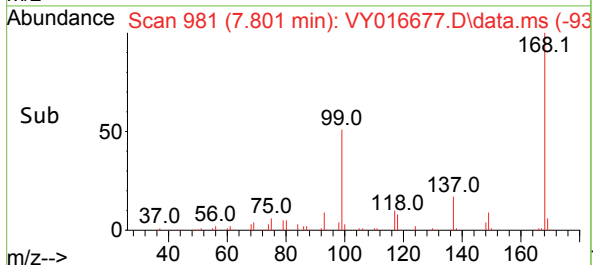
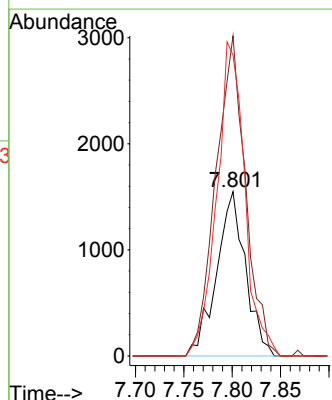
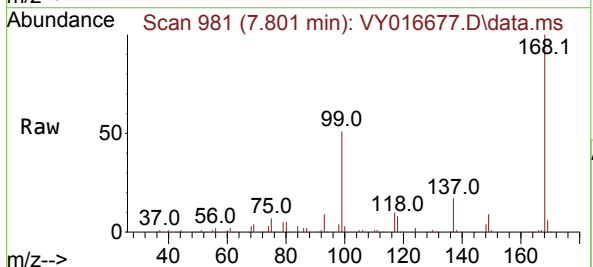
Tgt Ion: 56 Resp: 3218

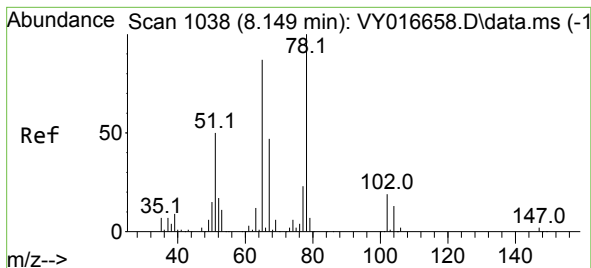
Ion Ratio Lower Upper

56 100

69 194.8 27.8 41.6#

84 183.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 62.415 ug/l

RT: 8.154 min Scan# 110

Delta R.T. 0.005 min

Lab File: VY016677.D

Acq: 16 Dec 2023 18:23

Instrument :

MSVOA_Y

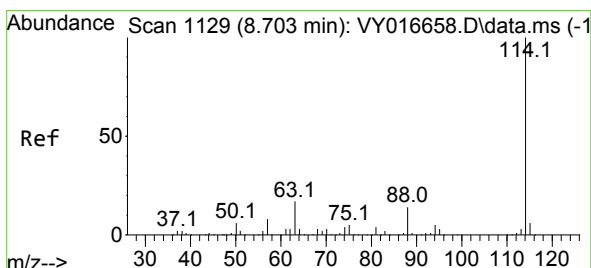
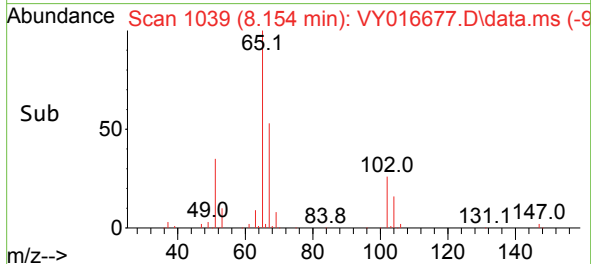
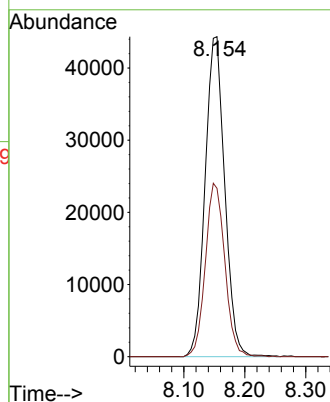
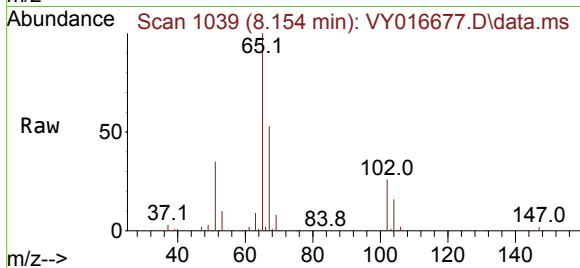
ClientSampleId :

Tgt Ion: 65 Resp: 99001

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016677.D

Acq: 16 Dec 2023 18:23

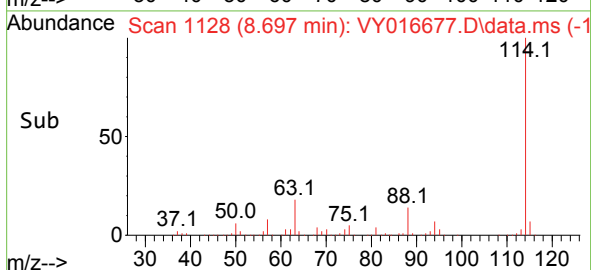
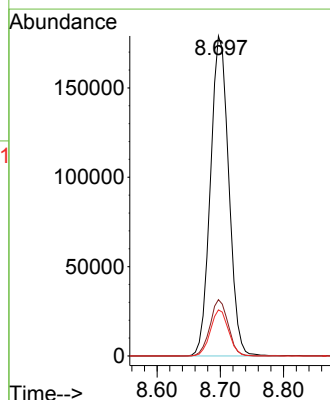
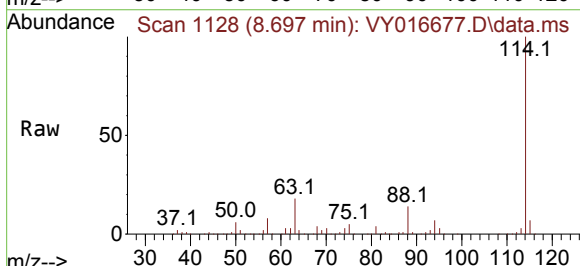
Tgt Ion: 114 Resp: 360177

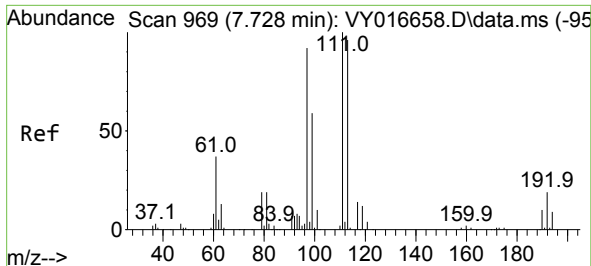
Ion Ratio Lower Upper

114 100

63 17.6 0.0 42.4

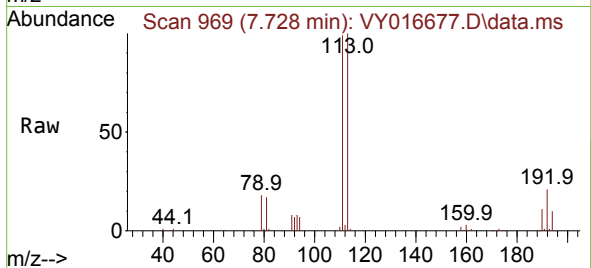
88 14.4 0.0 30.6



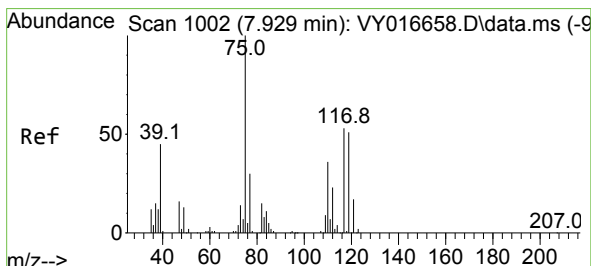
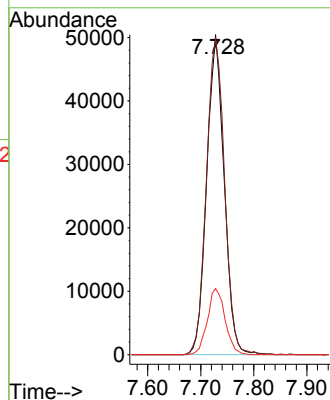
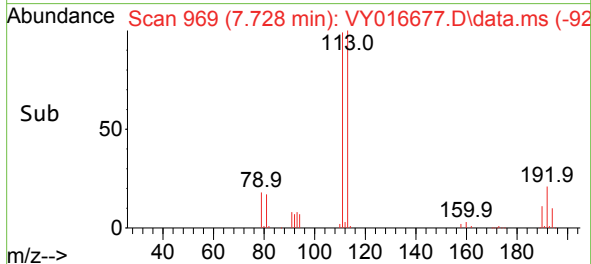


#35
Dibromofluoromethane
Concen: 59.587 ug/l
RT: 7.728 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

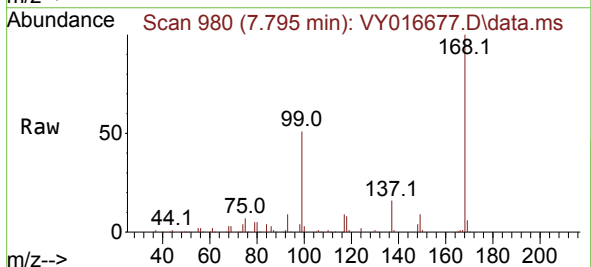
Instrument :
MSVOA_Y
ClientSampleId :



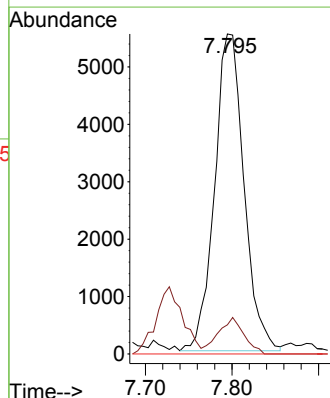
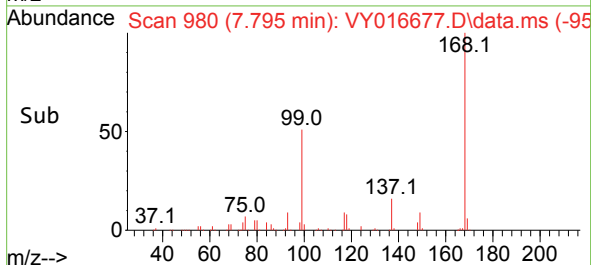
Tgt Ion:113 Resp: 115120
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 21.1 16.9 25.3

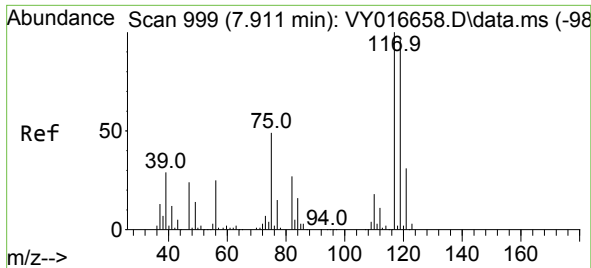


#36
1,1-Dichloropropene
Concen: 4.071 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23



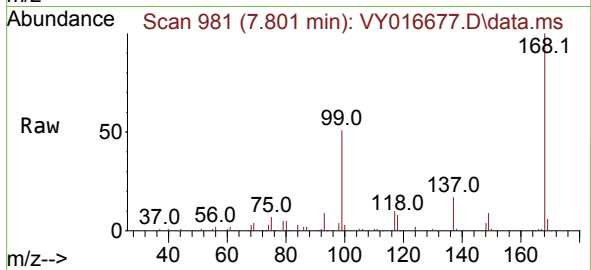
Tgt Ion: 75 Resp: 13028
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



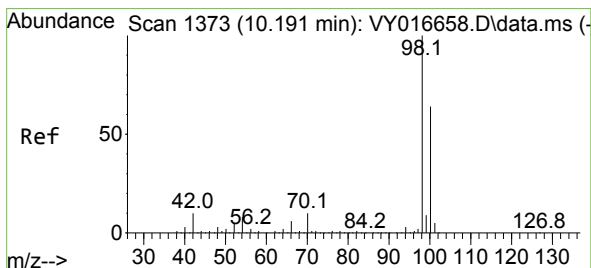
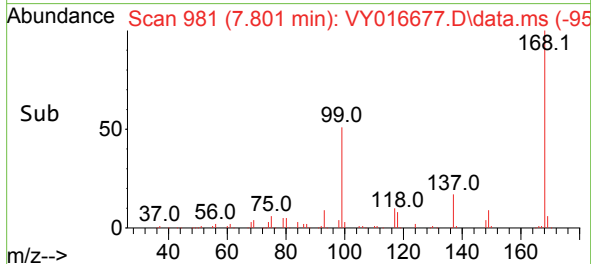
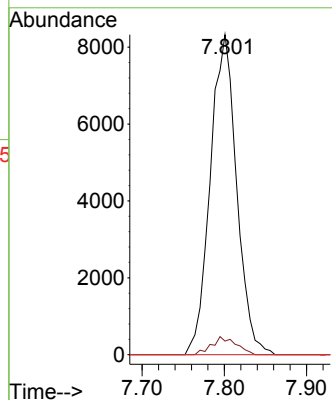


#38
Carbon Tetrachloride
Concen: 5.783 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

Instrument :
MSVOA_Y
ClientSampleId :

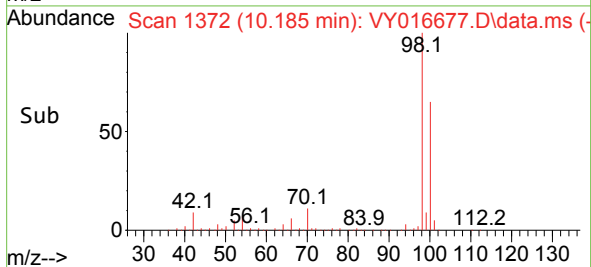
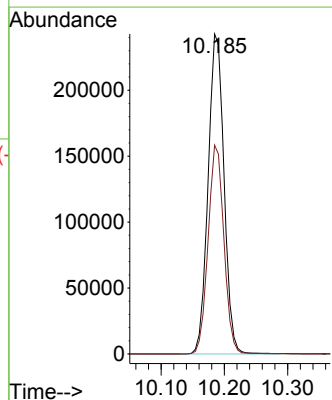
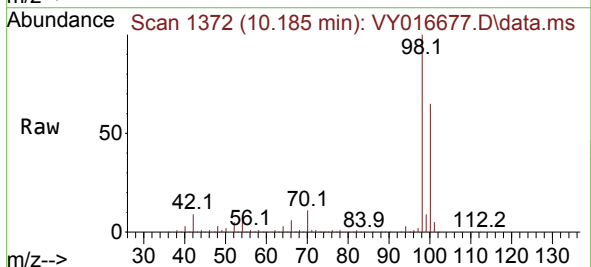


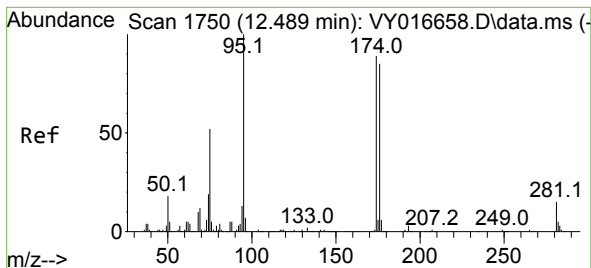
Tgt Ion:117 Resp: 18588
Ion Ratio Lower Upper
117 100
119 4.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.621 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 98 Resp: 425525
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1

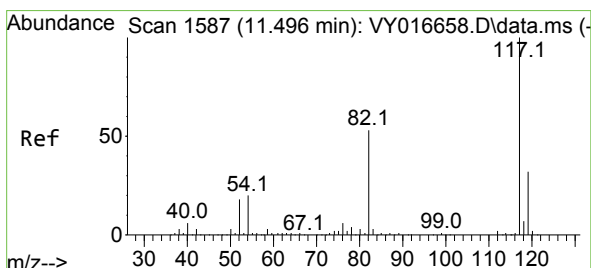
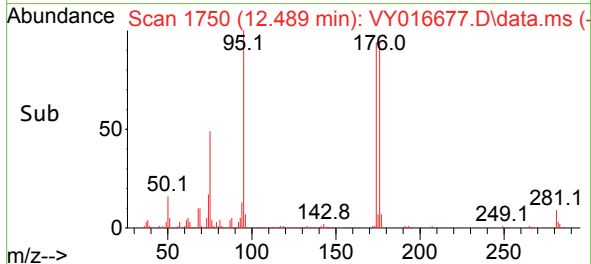
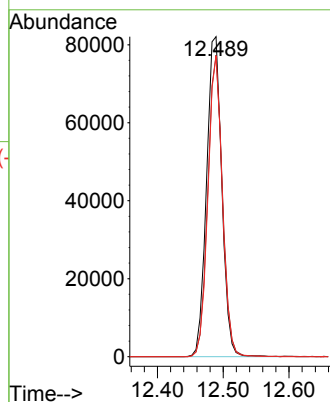
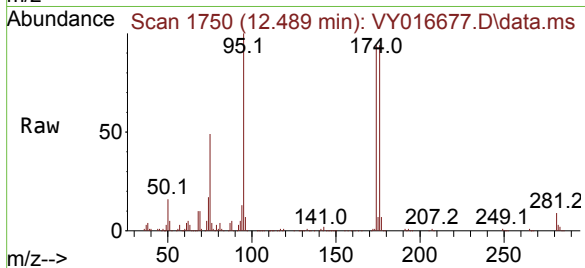




#62
4-Bromofluorobenzene
Concen: 53.430 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

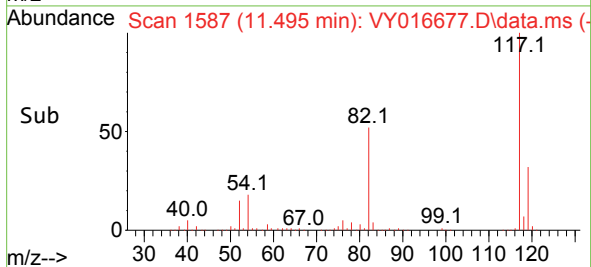
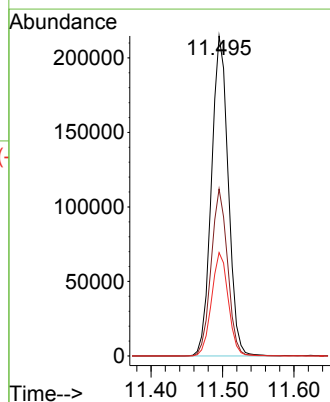
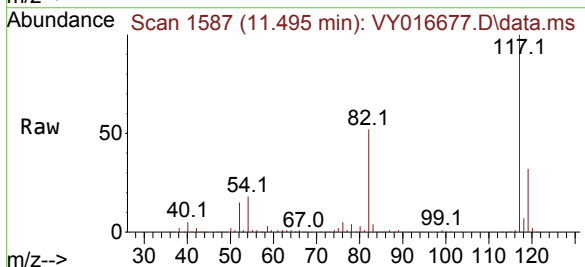
Instrument :
MSVOA_Y
ClientSampleId :

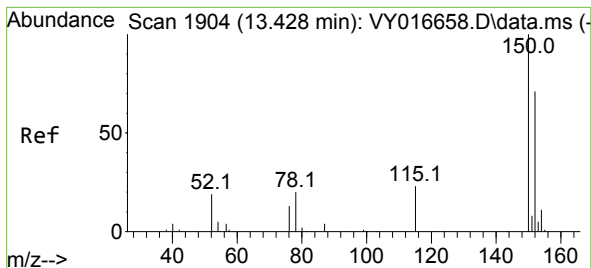
Tgt Ion: 95 Resp: 132286
Ion Ratio Lower Upper
95 100
174 90.6 0.0 178.2
176 88.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY016677.D
Acq: 16 Dec 2023 18:23

Tgt Ion: 117 Resp: 350199
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 32.3 26.3 39.5

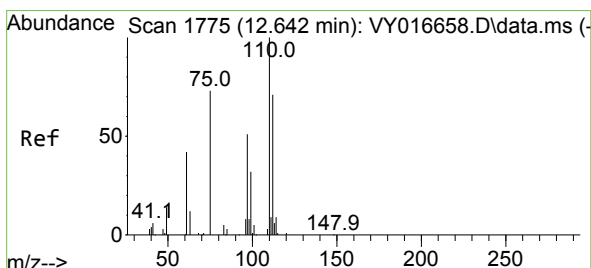
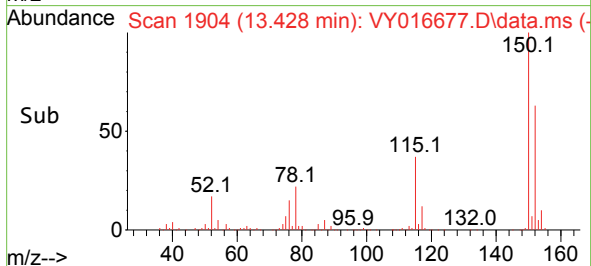
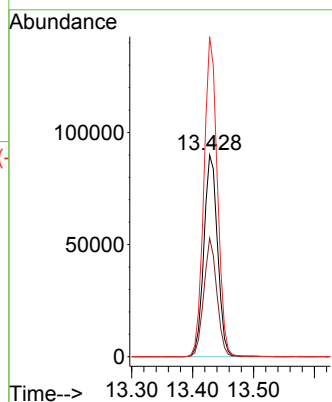
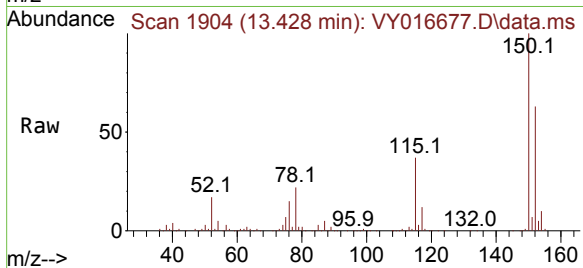




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VY016677.D
 Acq: 16 Dec 2023 18:23

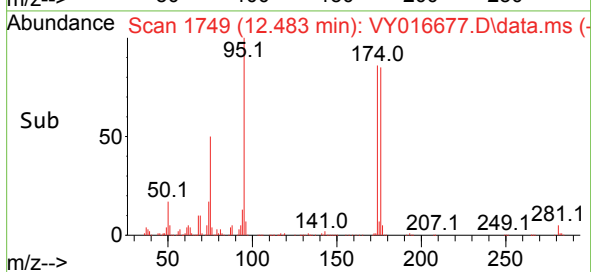
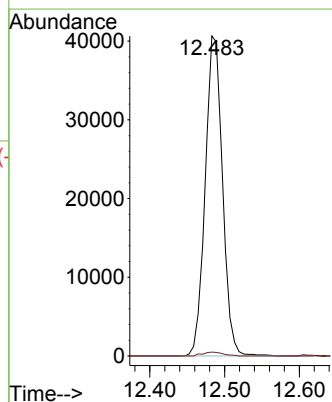
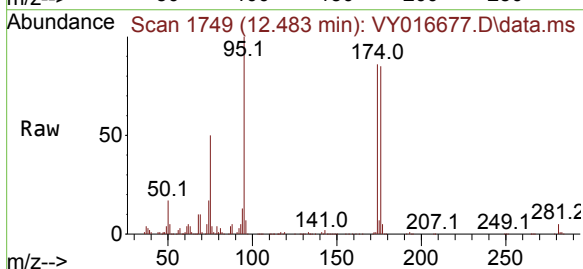
Instrument :
 MSVOA_Y
 ClientSampleId :

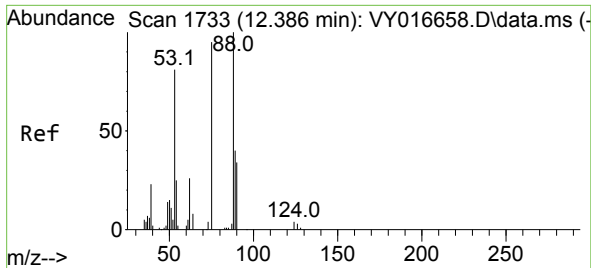
Tgt Ion:152 Resp: 140734
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.8 86.5
 150 156.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 50.788 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.159 min
 Lab File: VY016677.D
 Acq: 16 Dec 2023 18:23

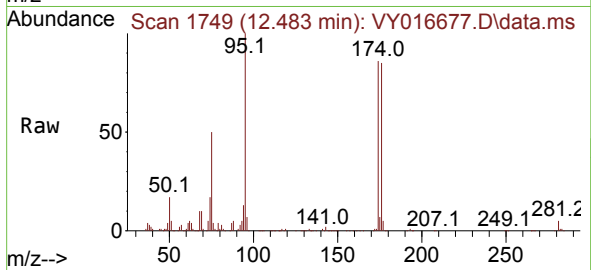
Tgt Ion: 75 Resp: 65471
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.061 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY016677.D
 Acq: 16 Dec 2023 18:23

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	65471
Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.2	37.4	56.0#

