

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015342.D
 Acq On : 25 Aug 2023 15:04
 Operator : SY/MD
 Sample : 04161-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:42:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

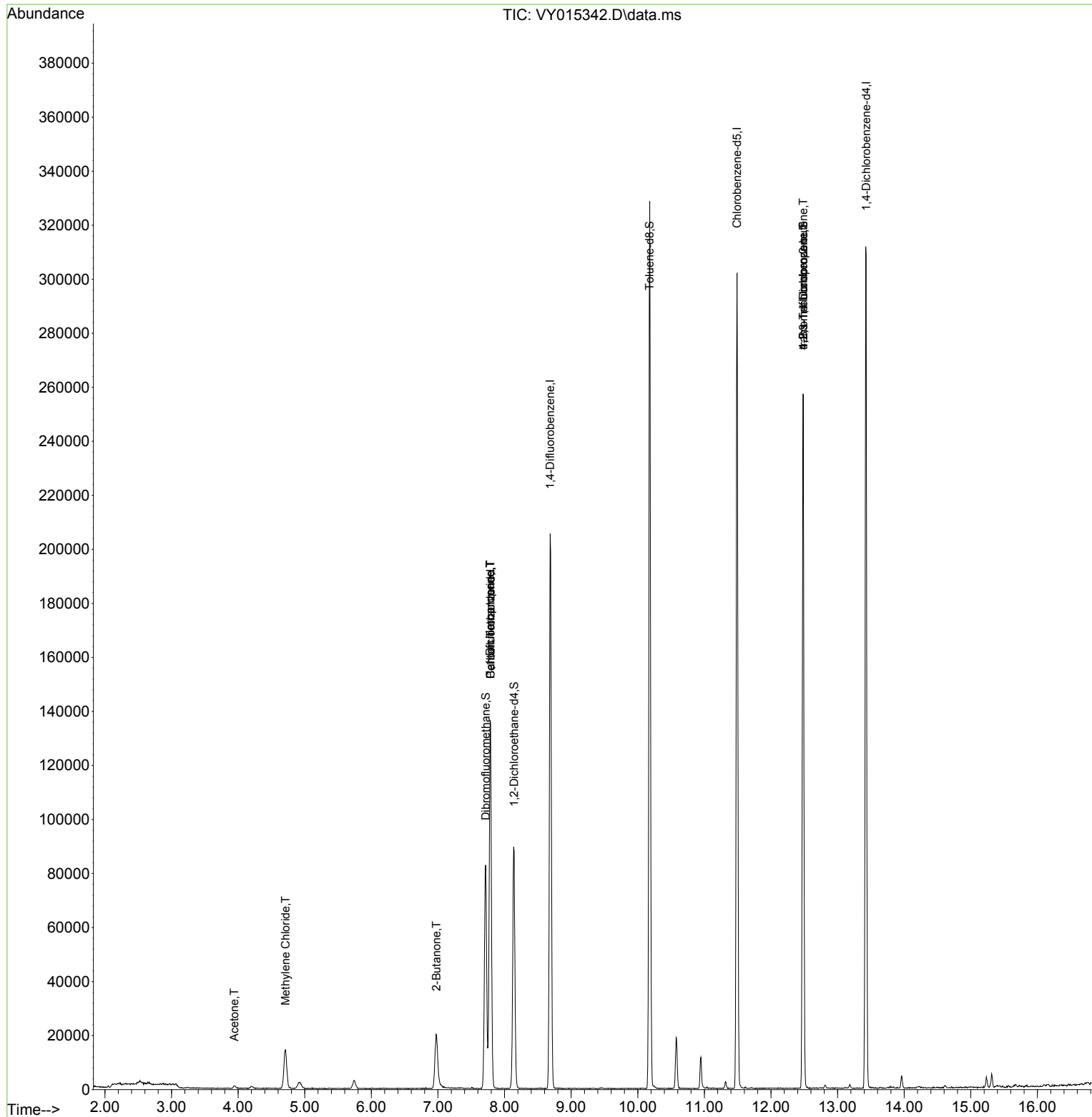
Internal Standards						
1) Pentafluorobenzene	7.789	168	107320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	180352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	164211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	80883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	70149	54.452	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.900%	
35) Dibromofluoromethane	7.716	113	57330	49.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.820%	
50) Toluene-d8	10.179	98	210331	48.697	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.400%	
62) 4-Bromofluorobenzene	12.483	95	74303	47.100	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	249	Below Cal	#	43
5) Bromomethane	2.650	94	192	Below Cal	#	68
11) Tert butyl alcohol	4.930	59	2018	Below Cal	#	89
16) Acetone	3.942	43	1695	4.027	ug/l	99
20) Methylene Chloride	4.710	84	10763	6.946	ug/l #	84
25) 2-Butanone	6.978	43	1109	1.861	ug/l #	49
31) Cyclohexane	7.777	56	2467	Below Cal	#	37
36) 1,1-Dichloropropene	7.783	75	8410	6.552	ug/l #	50
38) Carbon Tetrachloride	7.789	117	10963	7.216	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	39703	40.403	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39703	88.745	ug/l #	11

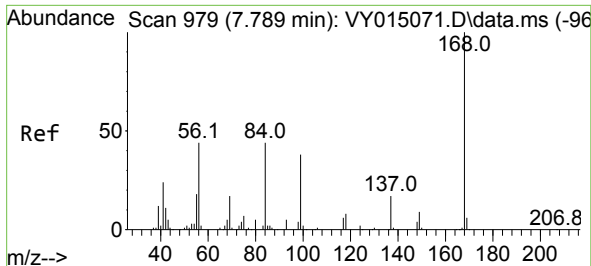
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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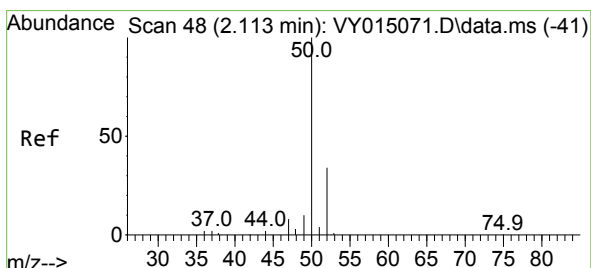
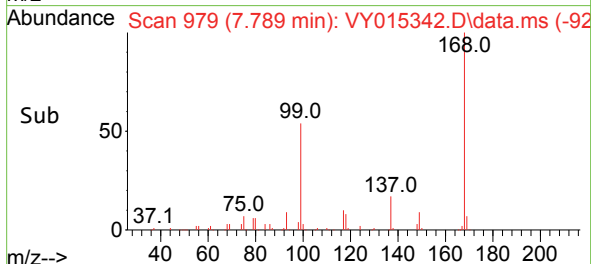
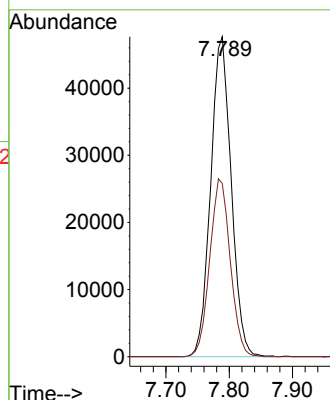
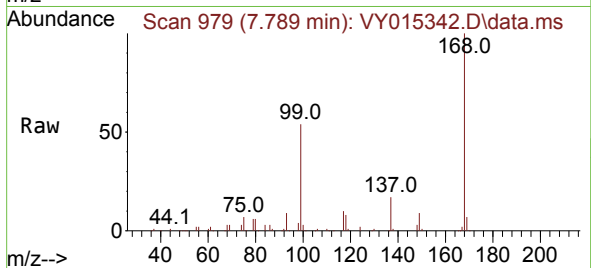




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

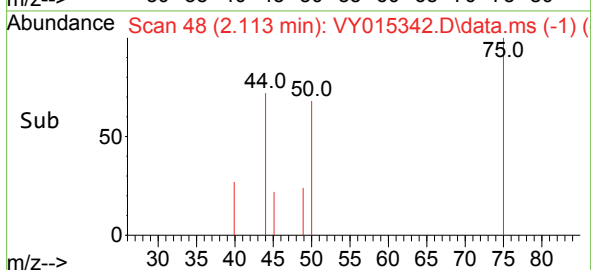
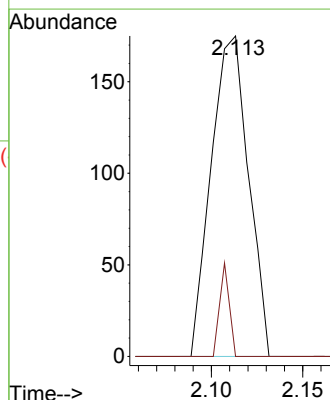
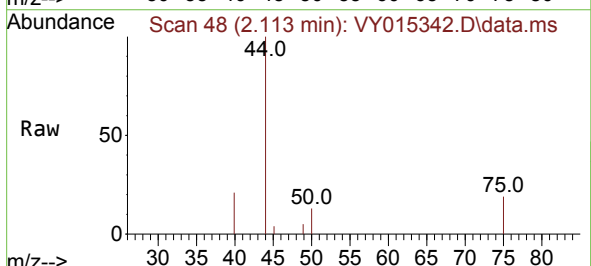
Instrument :
MSVOA_Y
ClientSampleId :

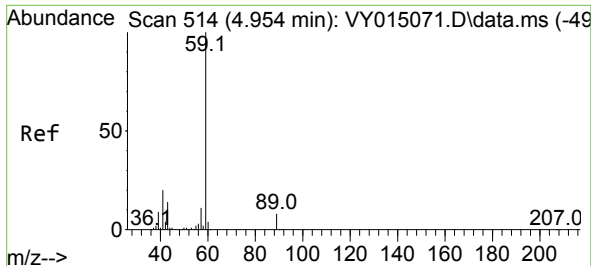
Tgt Ion:168 Resp: 107320
Ion Ratio Lower Upper
168 100
99 54.1 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

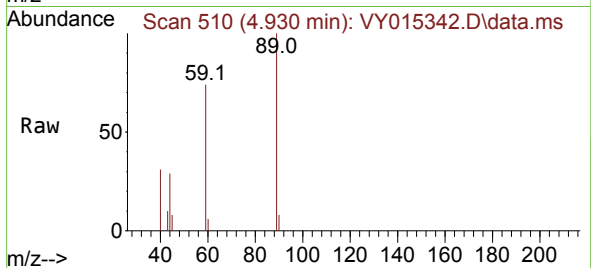
Tgt Ion: 50 Resp: 249
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



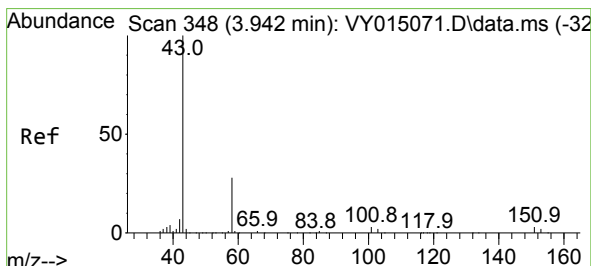
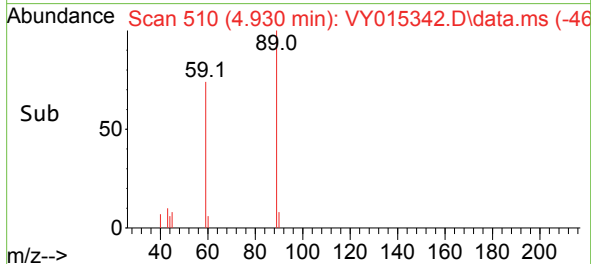
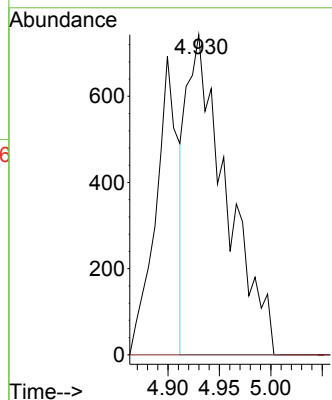


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

Instrument :
MSVOA_Y
ClientSampleId :

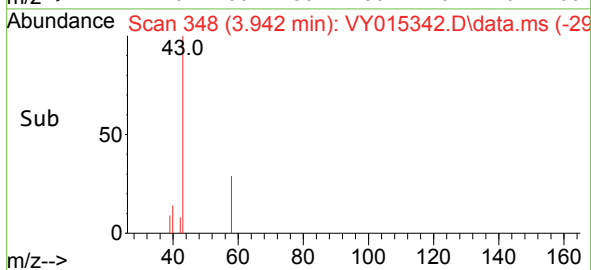
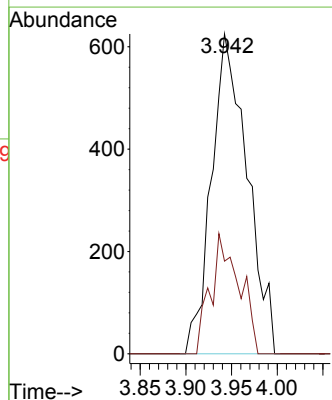
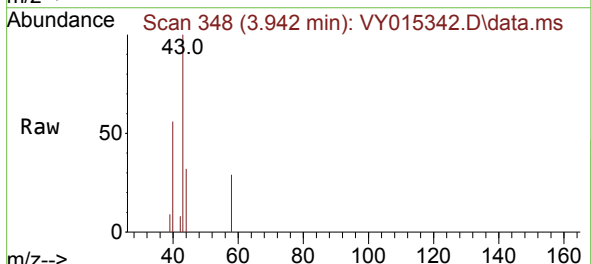


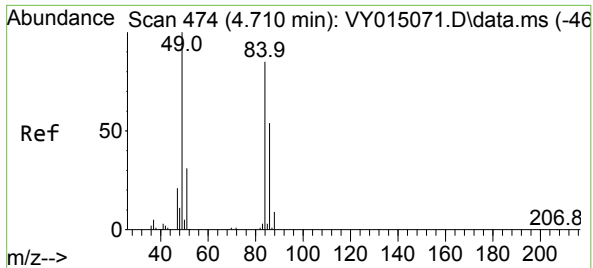
Tgt Ion: 59 Resp: 2018
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 4.027 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

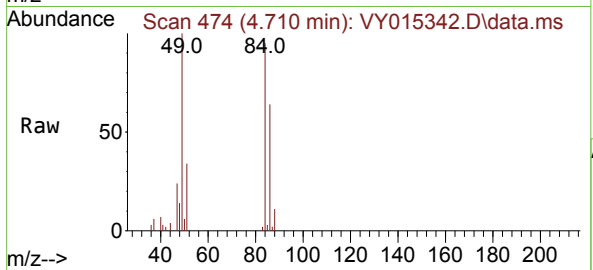
Tgt Ion: 43 Resp: 1695
Ion Ratio Lower Upper
43 100
58 29.0 22.7 34.1



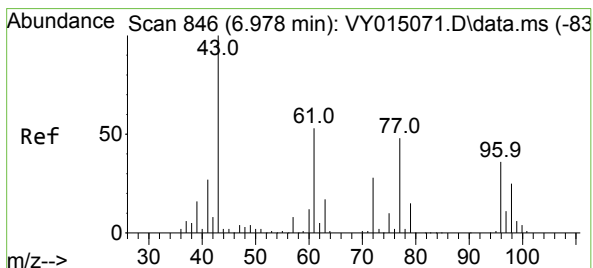
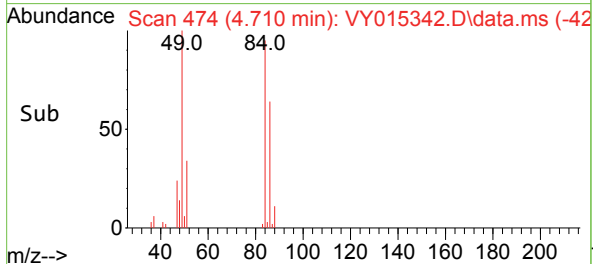
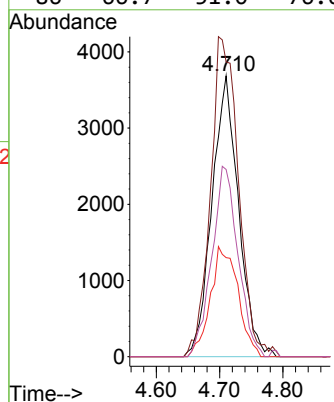


#20
Methylene Chloride
Concen: 6.946 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

Instrument :
MSVOA_Y
ClientSampleId :

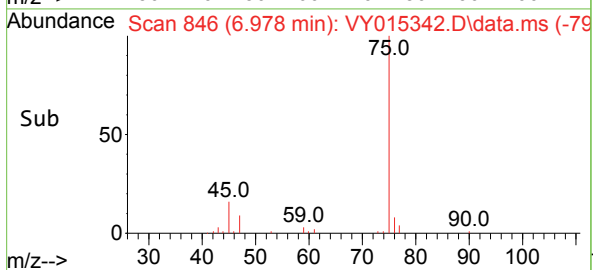
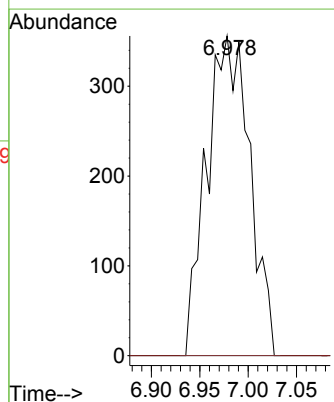
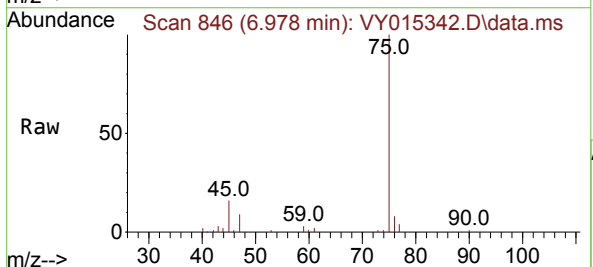


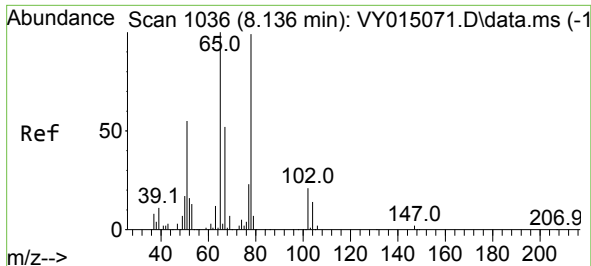
Tgt Ion: 84 Resp: 10763
Ion Ratio Lower Upper
84 100
49 104.9 106.9 160.3#
51 35.3 33.2 49.8
86 66.7 51.0 76.6



#25
2-Butanone
Concen: 1.861 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 54.452 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY015342.D

Acq: 25 Aug 2023 15:04

Instrument :

MSVOA_Y

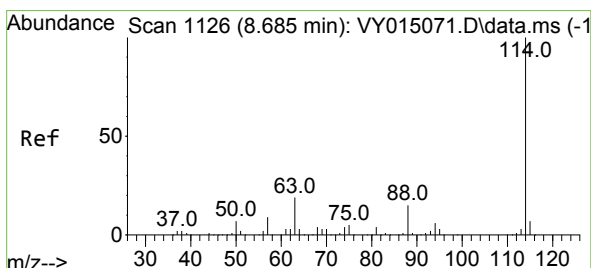
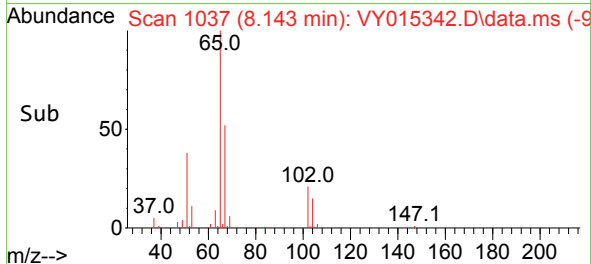
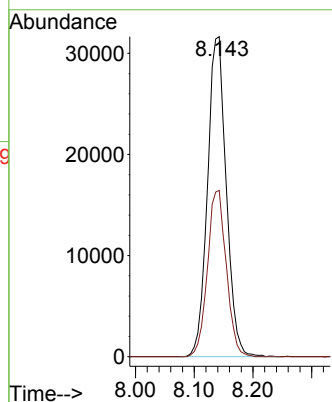
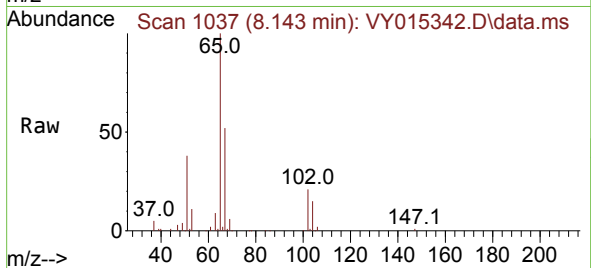
ClientSampleId :

Tgt Ion: 65 Resp: 70149

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015342.D

Acq: 25 Aug 2023 15:04

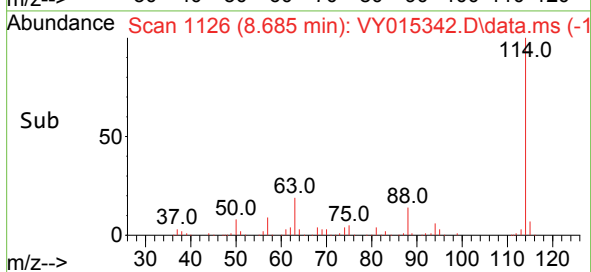
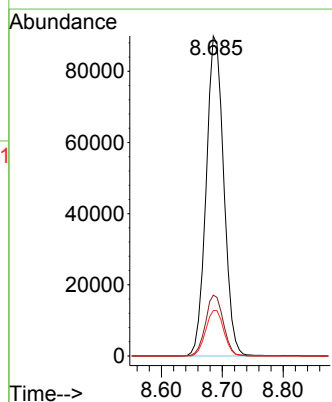
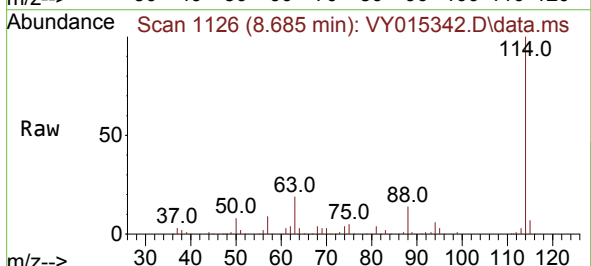
Tgt Ion: 114 Resp: 180352

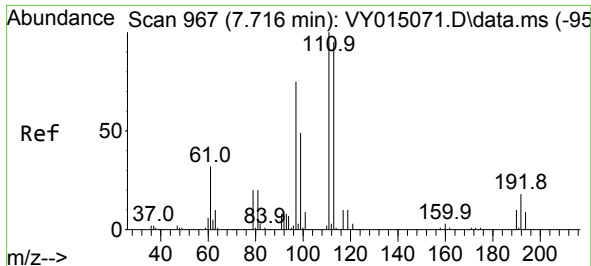
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

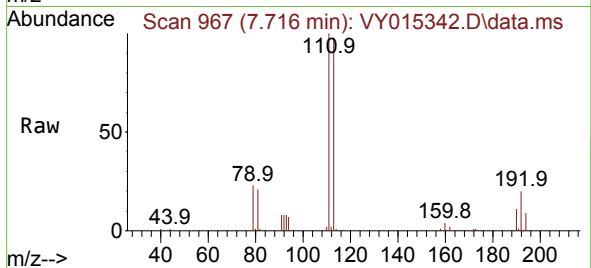
88 14.2 0.0 30.6



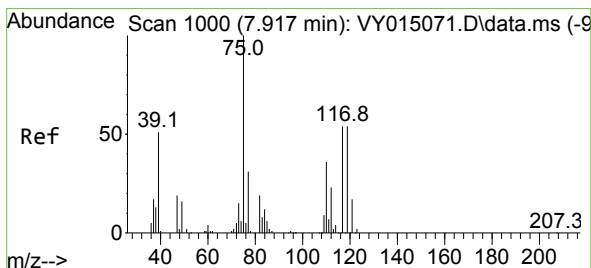
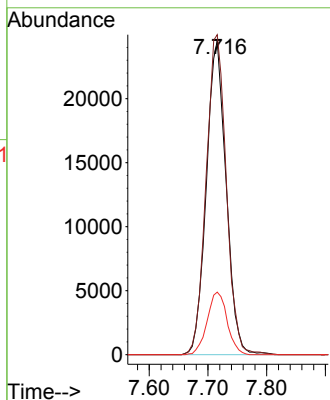
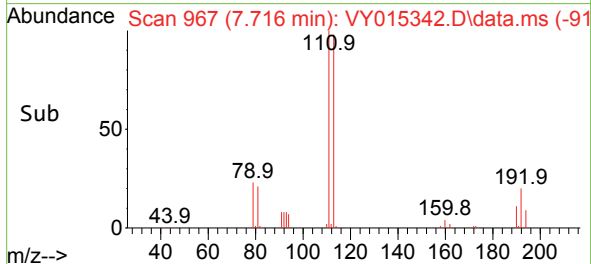


#35
Dibromofluoromethane
Concen: 49.411 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

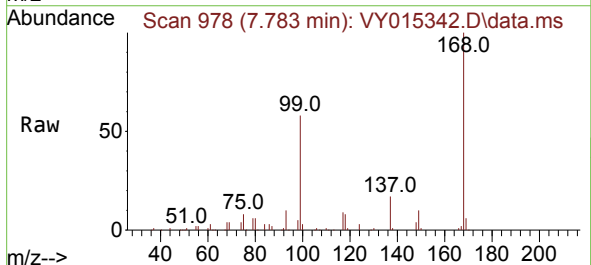
Instrument :
MSVOA_Y
ClientSampleId :



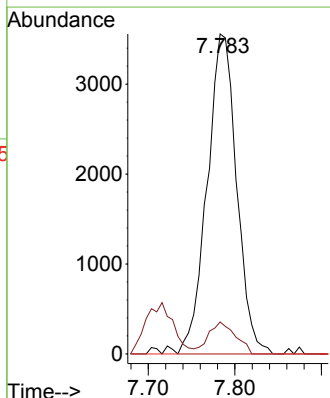
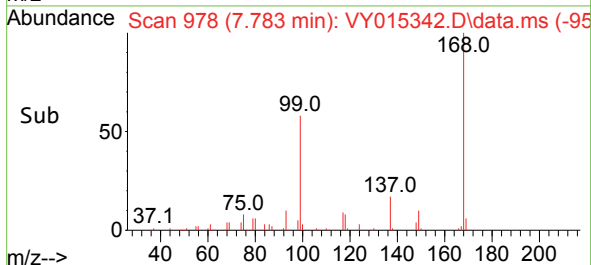
Tgt Ion:113 Resp: 57330
Ion Ratio Lower Upper
113 100
111 104.0 81.3 121.9
192 20.2 16.9 25.3

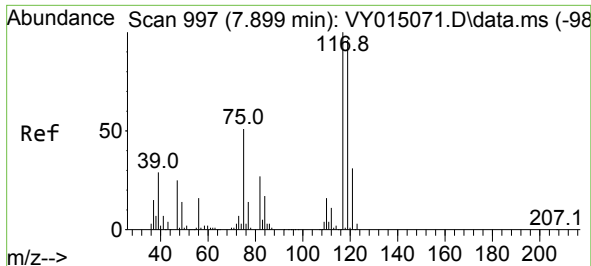


#36
1,1-Dichloropropene
Concen: 6.552 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04



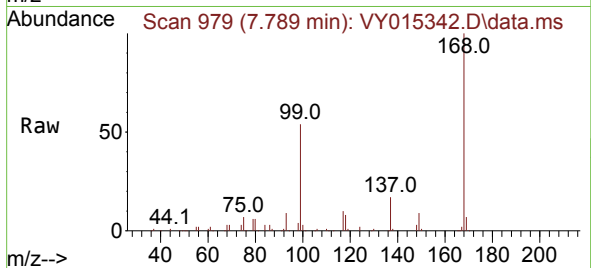
Tgt Ion: 75 Resp: 8410
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.0 24.4 36.6#



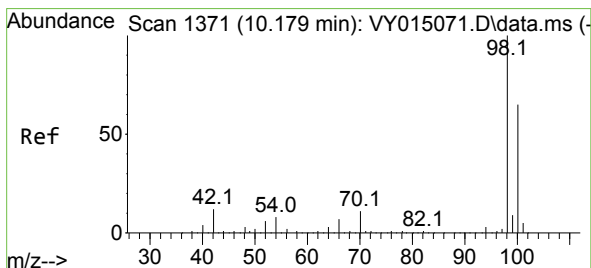
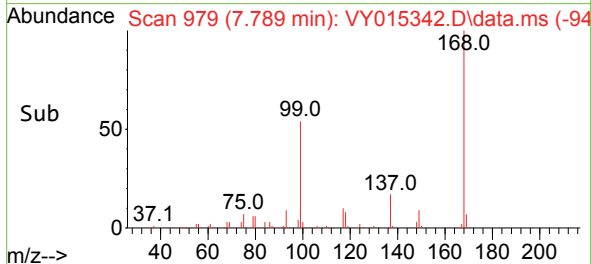
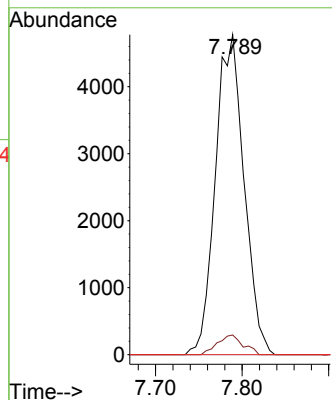


#38
Carbon Tetrachloride
Concen: 7.216 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

Instrument :
MSVOA_Y
ClientSampleId :

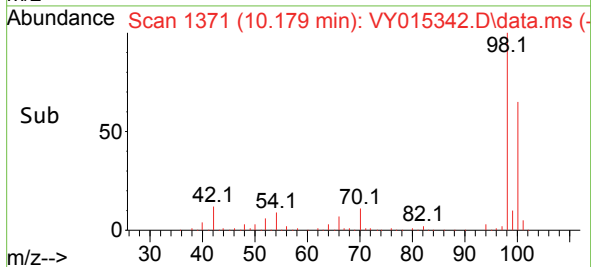
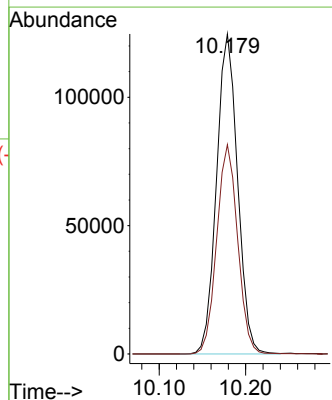
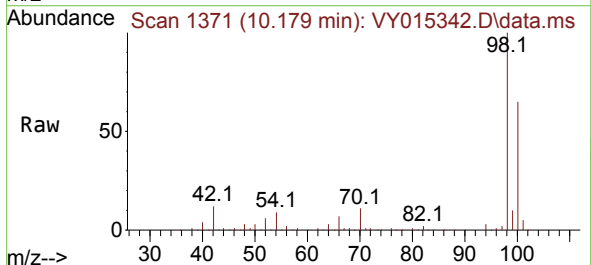


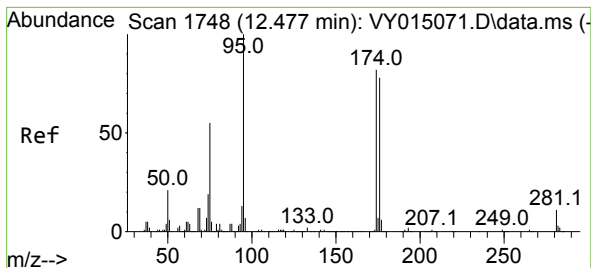
Tgt Ion:117 Resp: 10963
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.697 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

Tgt Ion: 98 Resp: 210331
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

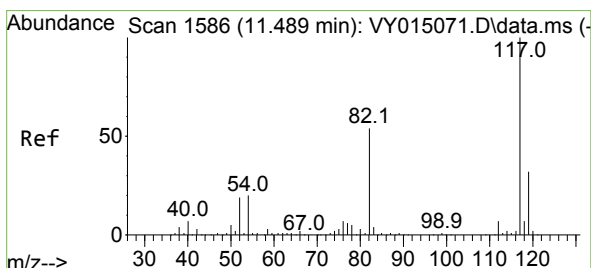
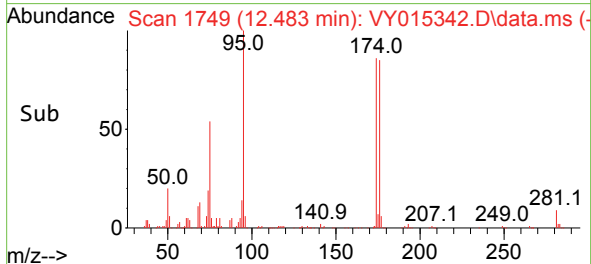
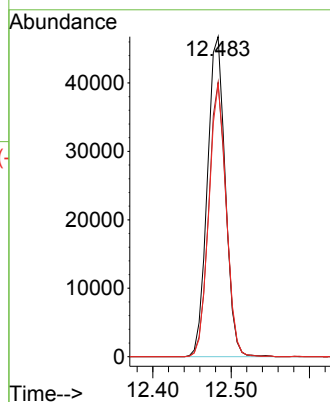
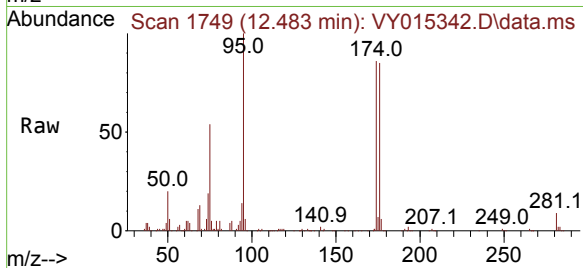




#62
4-Bromofluorobenzene
Concen: 47.100 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

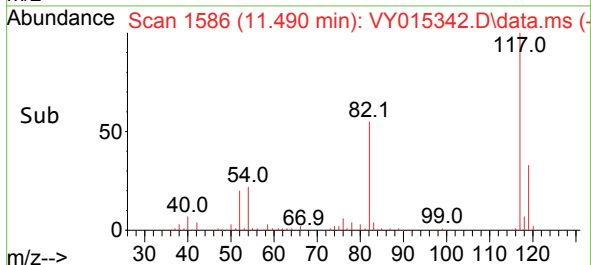
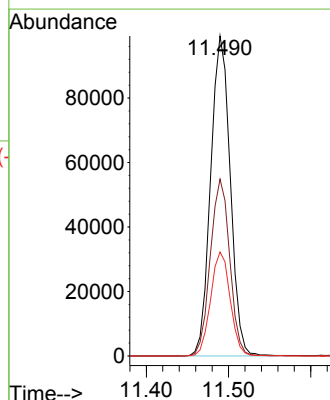
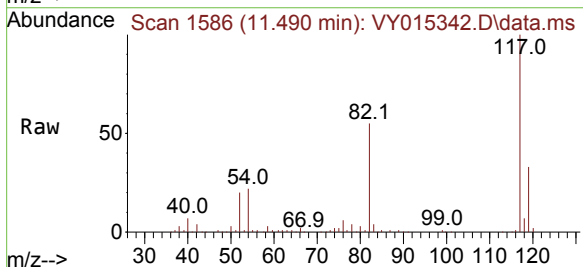
Instrument :
MSVOA_Y
ClientSampleId :

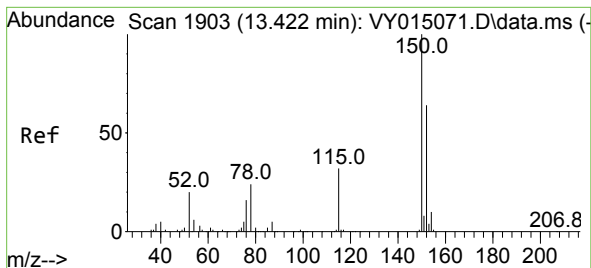
Tgt Ion: 95 Resp: 74303
Ion Ratio Lower Upper
95 100
174 82.9 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

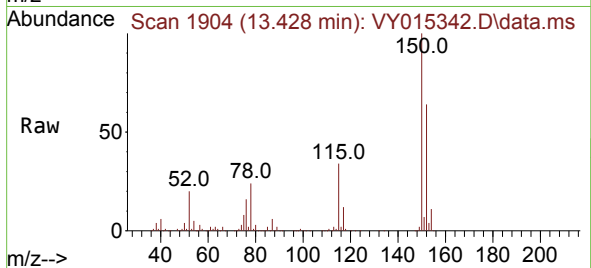
Tgt Ion: 117 Resp: 164211
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 32.5 26.3 39.5



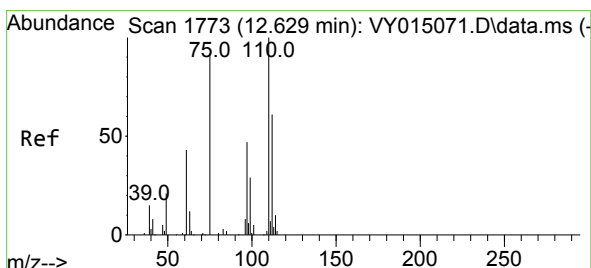
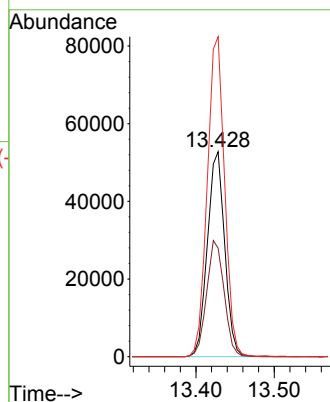
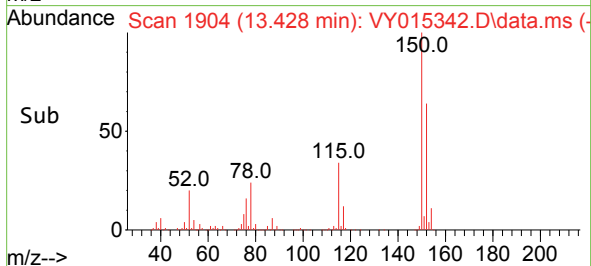


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

Instrument :
MSVOA_Y
ClientSampleId :

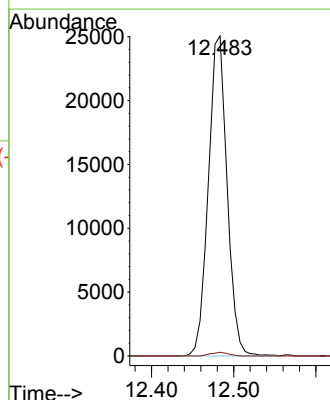
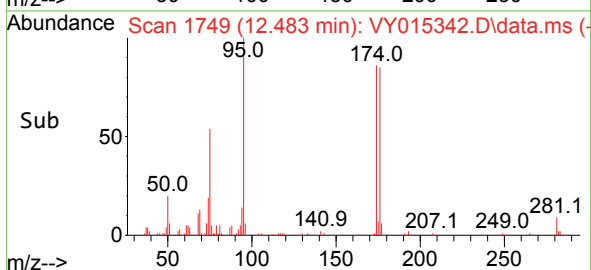
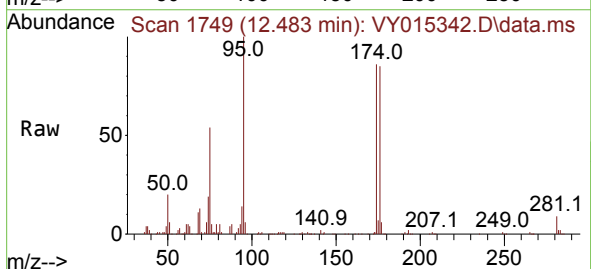


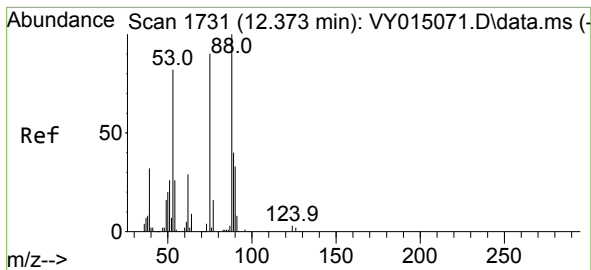
Tgt Ion:152 Resp: 80883
Ion Ratio Lower Upper
152 100
115 57.2 28.8 86.5
150 156.0 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 40.403 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015342.D
Acq: 25 Aug 2023 15:04

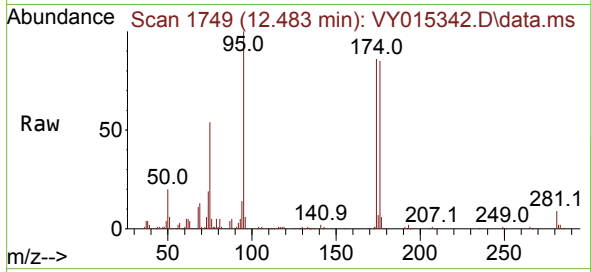
Tgt Ion: 75 Resp: 39703
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.745 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY015342.D
 Acq: 25 Aug 2023 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.1	37.4	56.0#

