

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082323\
 Data File : VY015293.D
 Acq On : 23 Aug 2023 20:07
 Operator : SY/MD
 Sample : 04116-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 24 02:36:49 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)

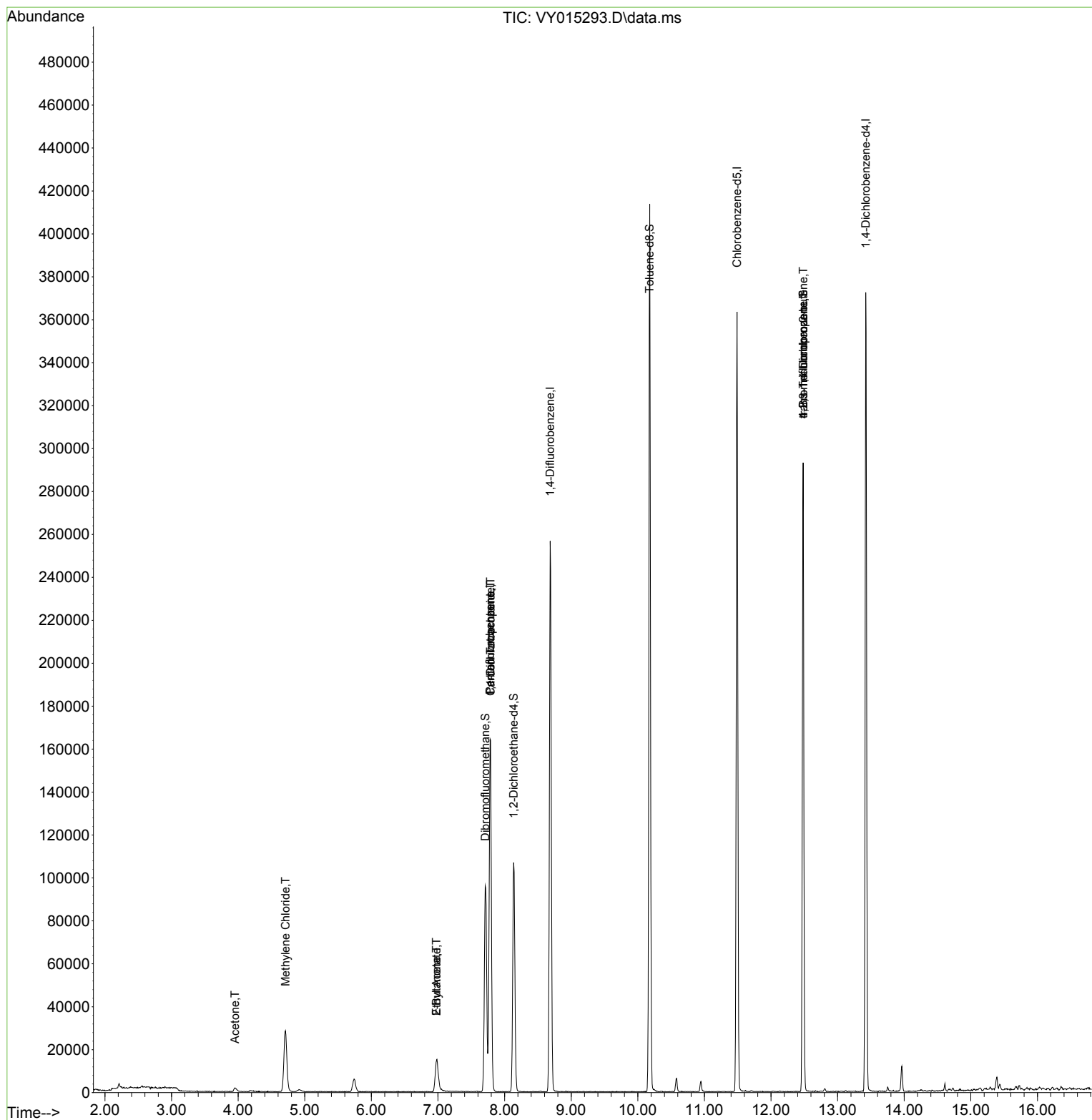
Internal Standards						
1) Pentafluorobenzene	7.783	168	129791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	218137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	193370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	86091	55.257	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.520%
35) Dibromofluoromethane	7.710	113	69143	49.270	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.540%
50) Toluene-d8	10.179	98	256852	49.167	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.340%
62) 4-Bromofluorobenzene	12.483	95	83605	43.816	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.640%
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	114	Below Cal	#	43
5) Bromomethane	2.650	94	228	Below Cal	#	54
11) Tert butyl alcohol	4.911	59	529	Below Cal	#	89
16) Acetone	3.954	43	3599	7.071	ug/l	94
20) Methylene Chloride	4.710	84	21706	14.740	ug/l	92
25) 2-Butanone	6.978	43	1525	2.116	ug/l	# 74
31) Cyclohexane	7.789	56	2783	Below Cal	#	17
36) 1,1-Dichloropropene	7.789	75	10216	6.580	ug/l	# 49
37) Ethyl Acetate	6.978	43	1525	1.054	ug/l	# 22
38) Carbon Tetrachloride	7.789	117	13272	7.223	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	45807	40.285	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	45807	88.485	ug/l	# 10

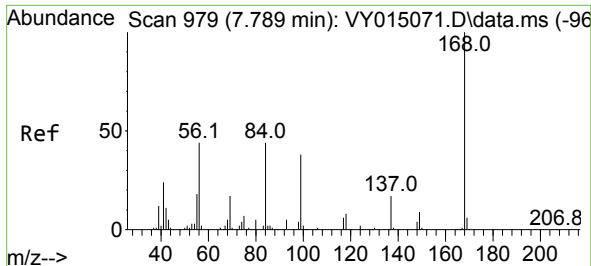
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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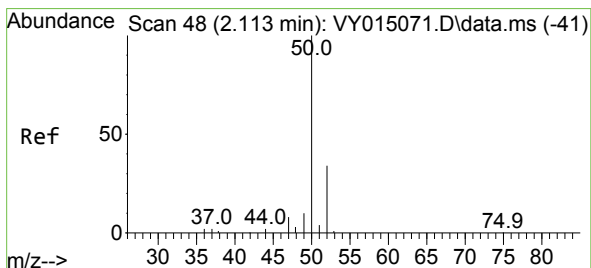
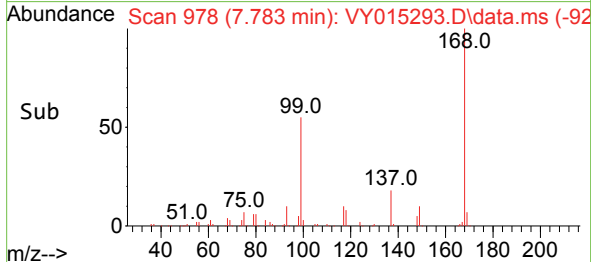
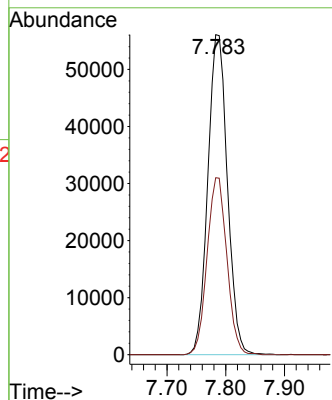
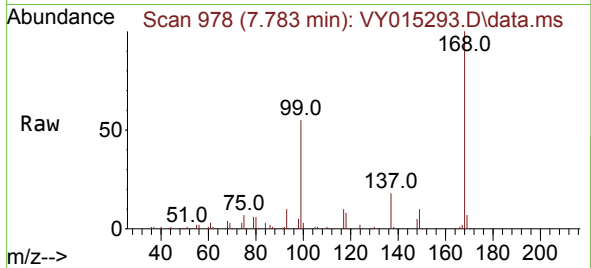




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

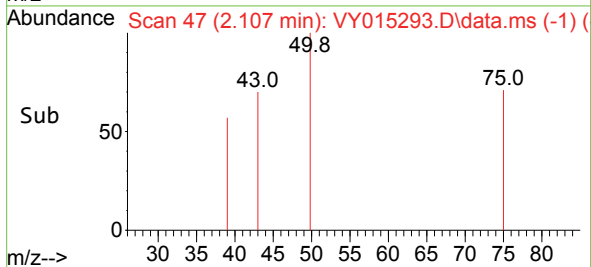
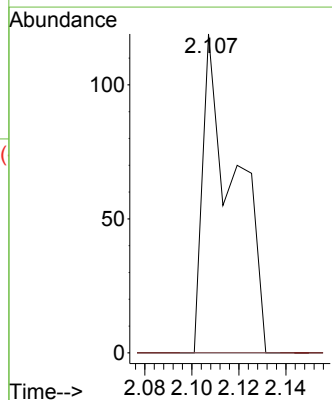
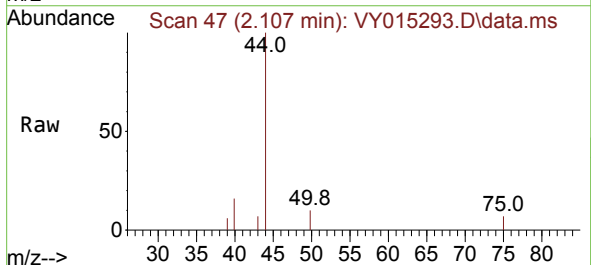
Instrument :
MSVOA_Y
ClientSampleId :

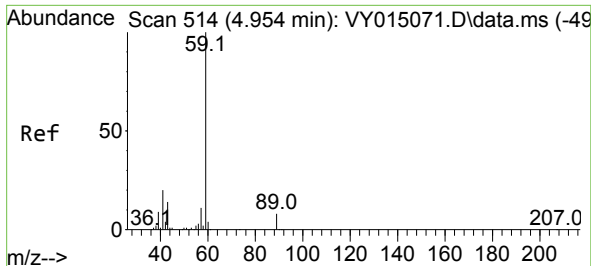
Tgt Ion:168 Resp: 129791
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

Tgt Ion: 50 Resp: 114
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.911 min Scan# 50

Delta R.T. -0.037 min

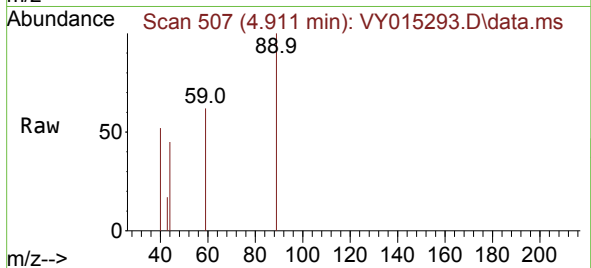
Lab File: VY015293.D

Acq: 23 Aug 2023 20:07

Instrument :

MSVOA_Y

ClientSampleId :

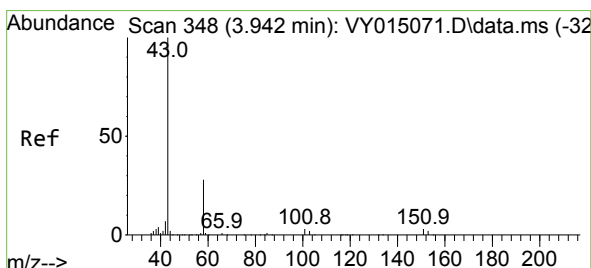
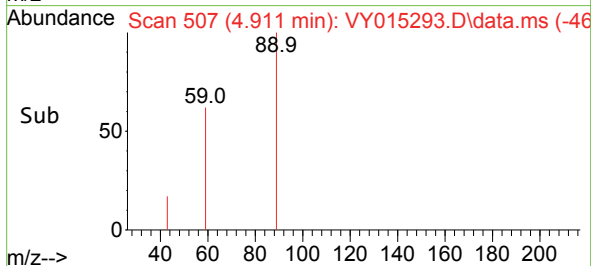
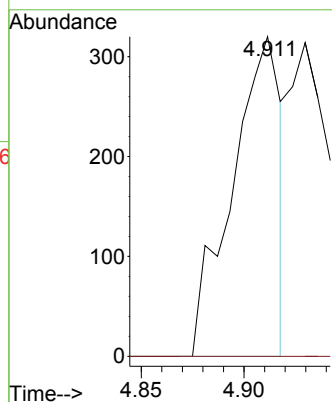


Tgt Ion: 59 Resp: 529

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 7.071 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015293.D

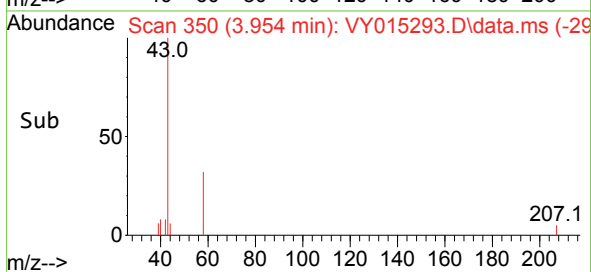
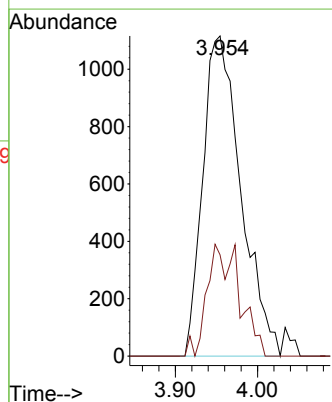
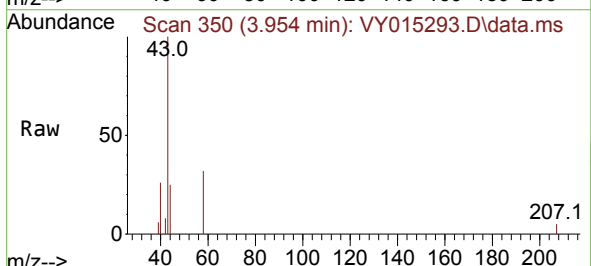
Acq: 23 Aug 2023 20:07

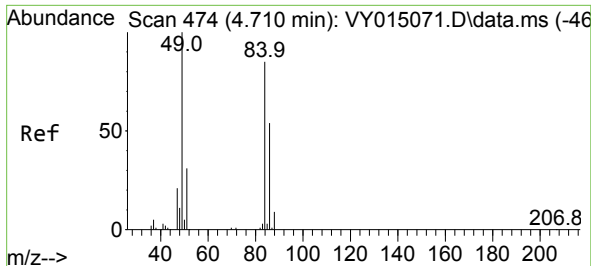
Tgt Ion: 43 Resp: 3599

Ion Ratio Lower Upper

43 100

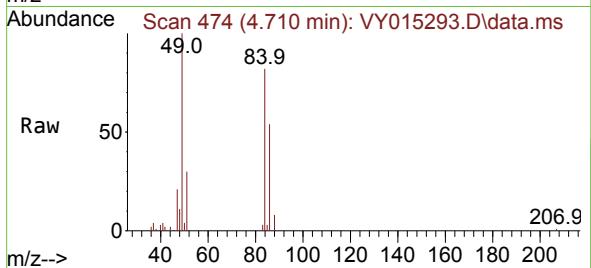
58 31.6 22.7 34.1



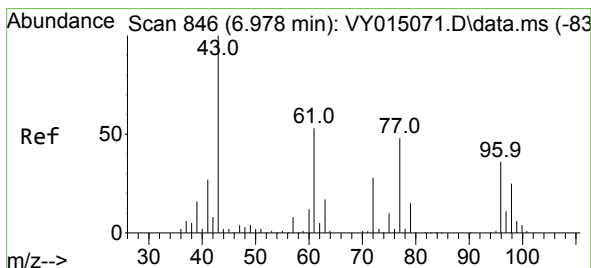
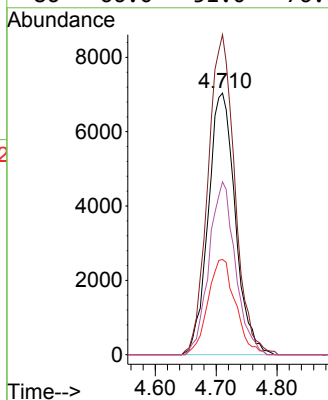
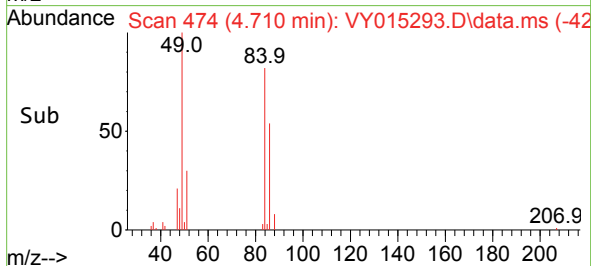


#20
Methylene Chloride
Concen: 14.740 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

Instrument :
MSVOA_Y
ClientSampleId :

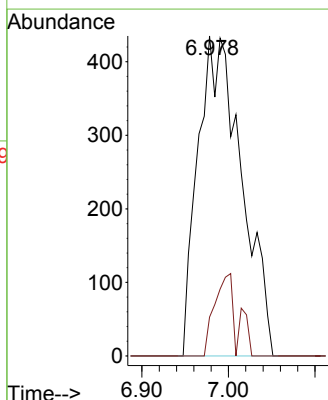
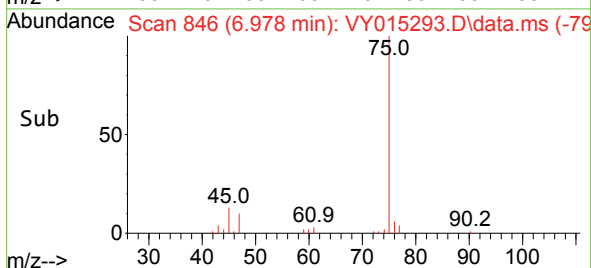
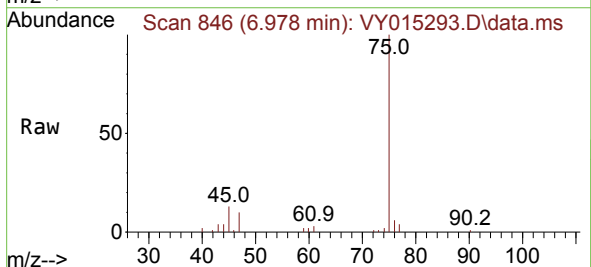


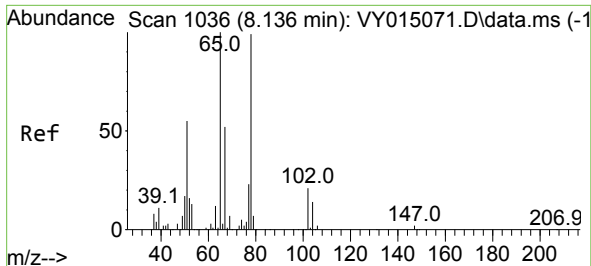
Tgt Ion:	84	Resp:	21706
Ion	Ratio	Lower	Upper
84	100		
49	122.3	106.9	160.3
51	36.4	33.2	49.8
86	66.0	51.0	76.6



#25
2-Butanone
Concen: 2.116 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

Tgt Ion:	43	Resp:	1525
Ion	Ratio	Lower	Upper
43	100		
72	12.2	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 55.257 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015293.D

Acq: 23 Aug 2023 20:07

Instrument :

MSVOA_Y

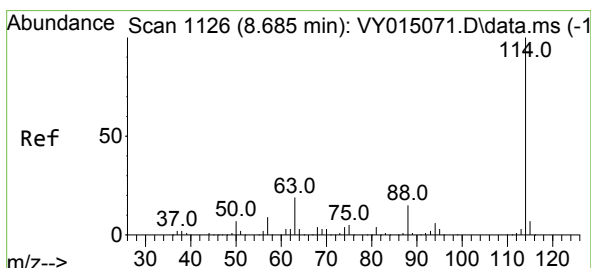
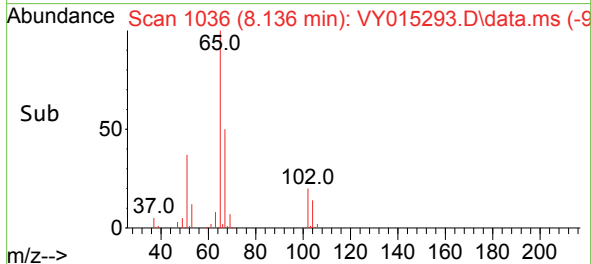
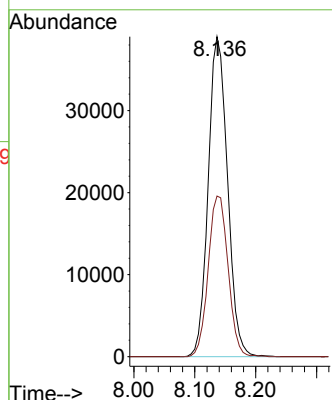
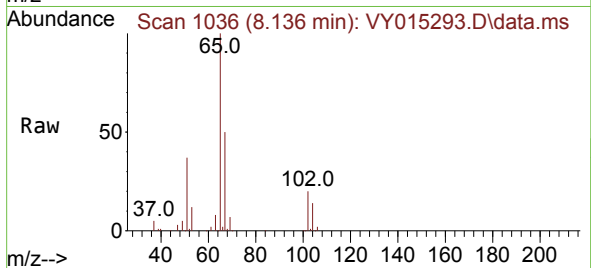
ClientSampleId :

Tgt Ion: 65 Resp: 86091

Ion Ratio Lower Upper

65 100

67 51.5 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: VY015293.D

Acq: 23 Aug 2023 20:07

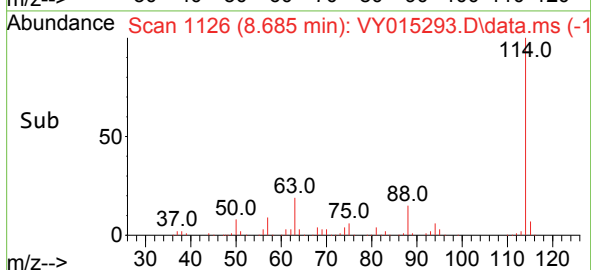
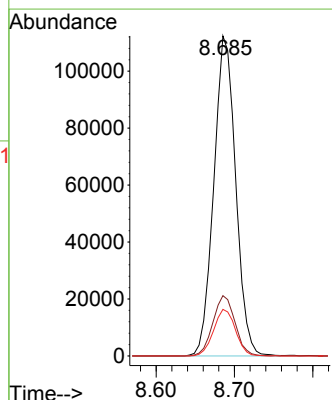
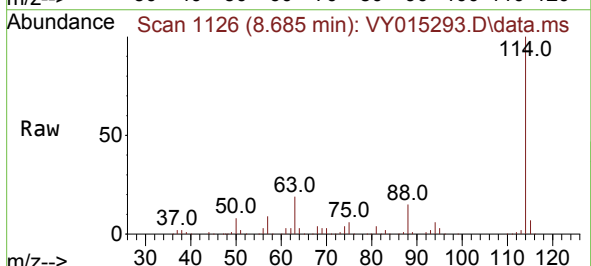
Tgt Ion: 114 Resp: 218137

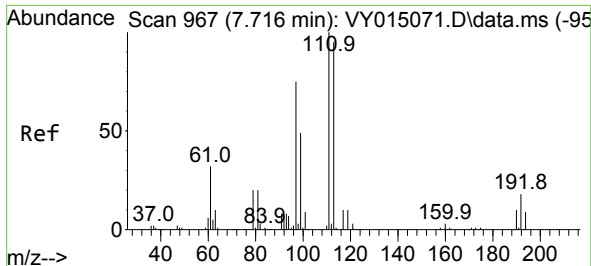
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.6 0.0 30.6



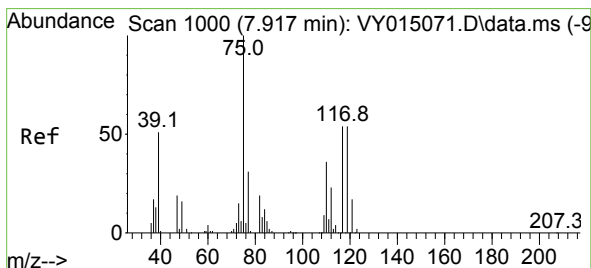
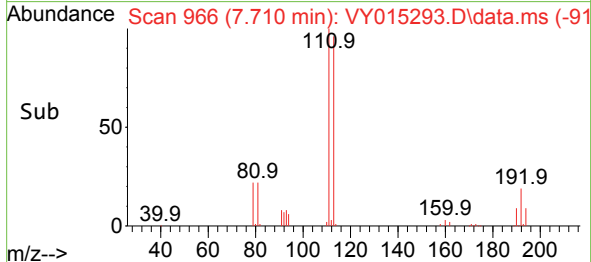
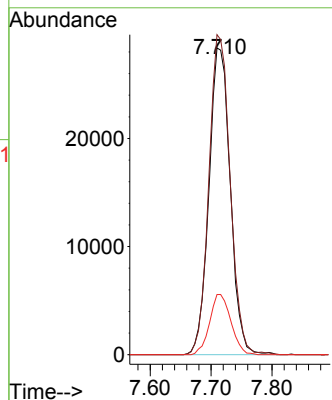
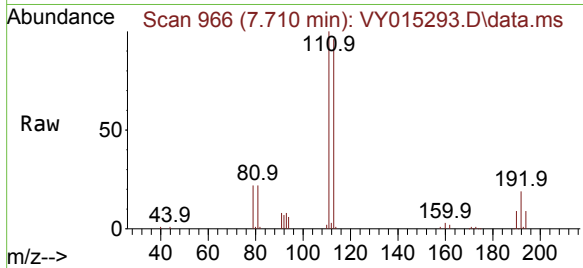


#35
 Dibromofluoromethane
 Concen: 49.270 ug/l
 RT: 7.710 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VY015293.D
 Acq: 23 Aug 2023 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:113 Resp: 69143

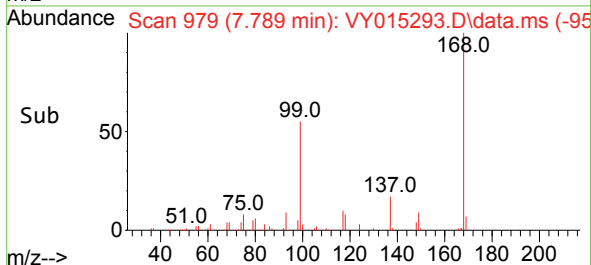
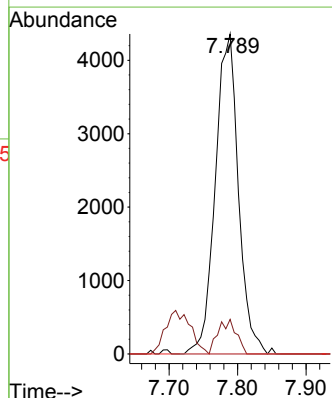
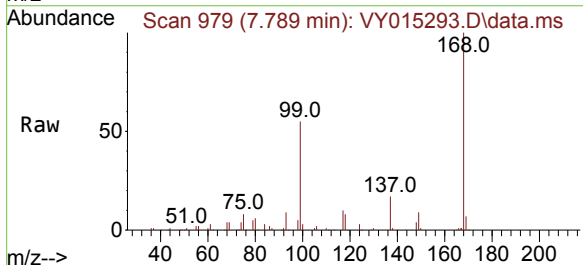
Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.3	121.9
192	19.5	16.9	25.3

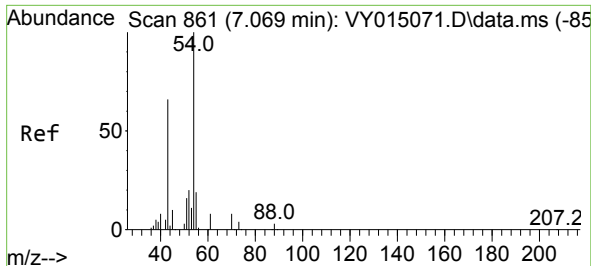


#36
 1,1-Dichloropropene
 Concen: 6.580 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY015293.D
 Acq: 23 Aug 2023 20:07

Tgt Ion: 75 Resp: 10216

Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.8	53.5#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 1.054 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

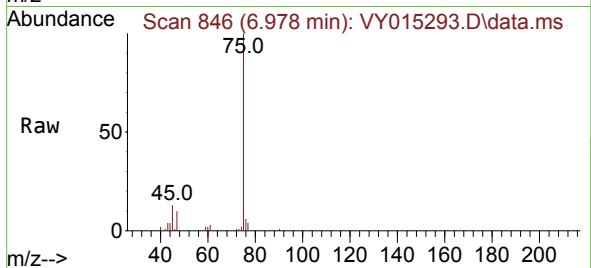
Lab File: VY015293.D

Acq: 23 Aug 2023 20:07

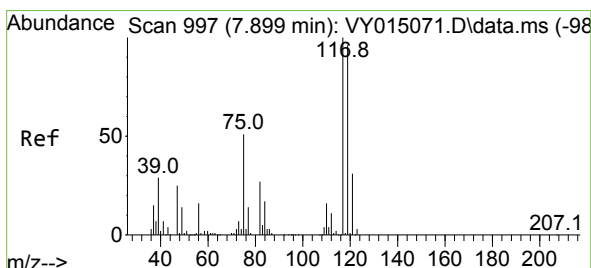
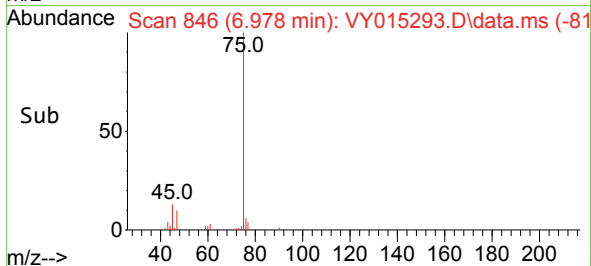
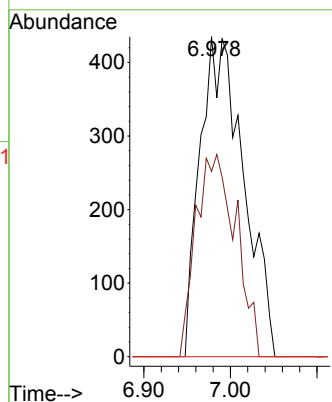
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1525
Ion	Ratio	Lower	Upper
43	100		
61	58.0	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 7.223 ug/l

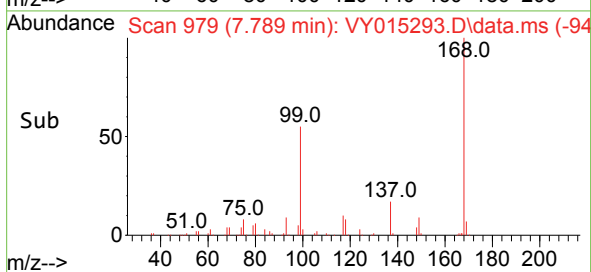
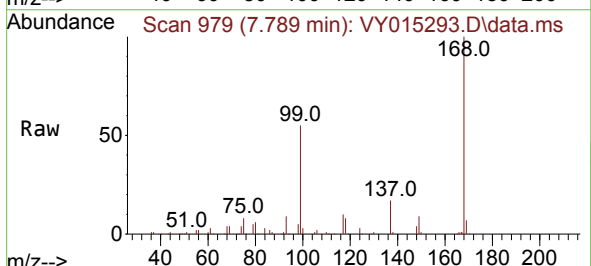
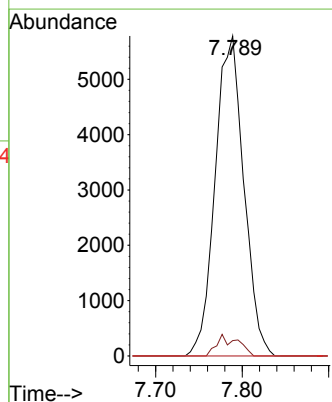
RT: 7.789 min Scan# 979

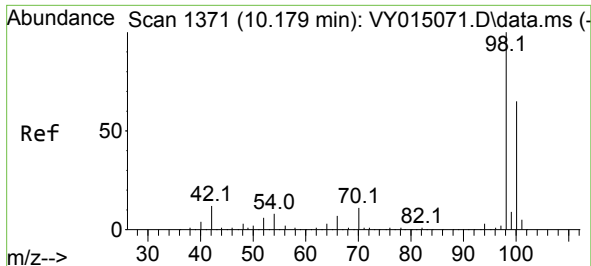
Delta R.T. -0.110 min

Lab File: VY015293.D

Acq: 23 Aug 2023 20:07

Tgt Ion:	117	Resp:	13272
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.4	114.6#
121	0.0	25.8	38.6#

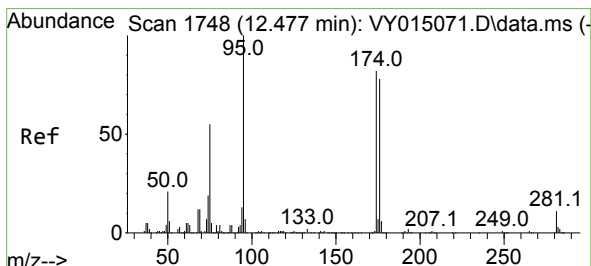
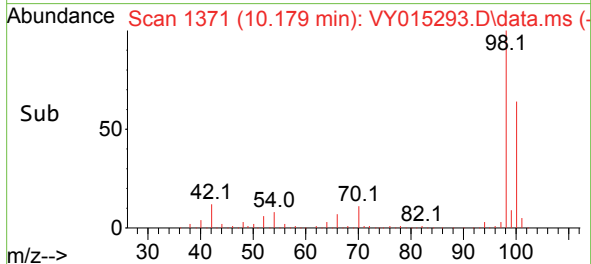
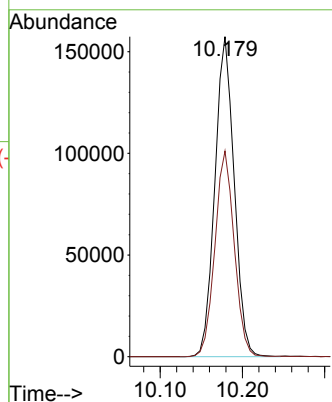
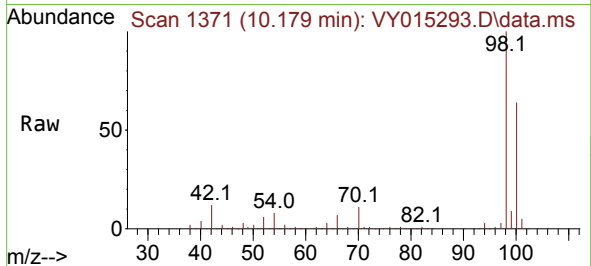




#50
Toluene-d8
Concen: 49.167 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

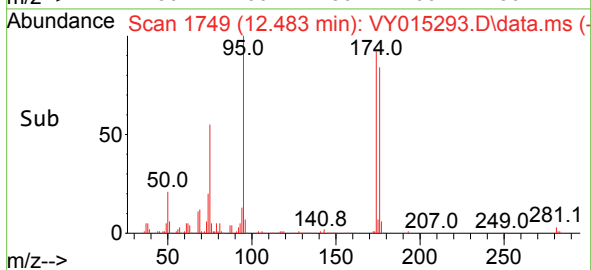
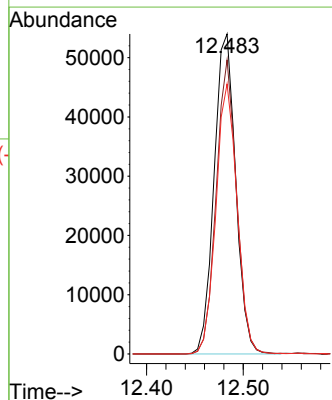
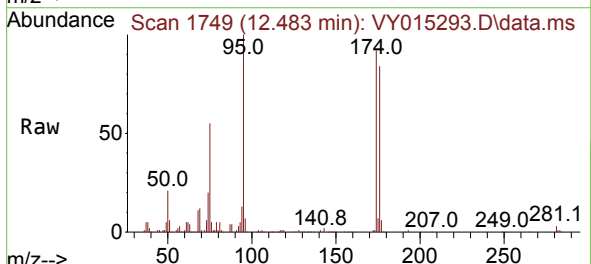
Instrument :
MSVOA_Y
ClientSampleId :

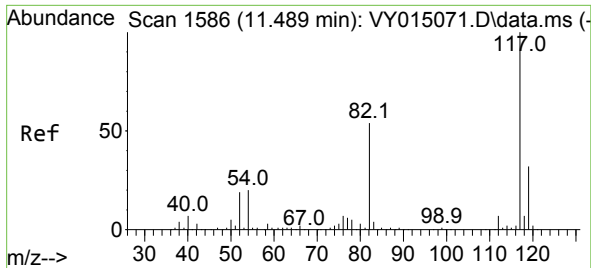
Tgt Ion: 98 Resp: 256852
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.816 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

Tgt Ion: 95 Resp: 83605
Ion Ratio Lower Upper
95 100
174 87.0 0.0 178.2
176 82.8 0.0 173.8

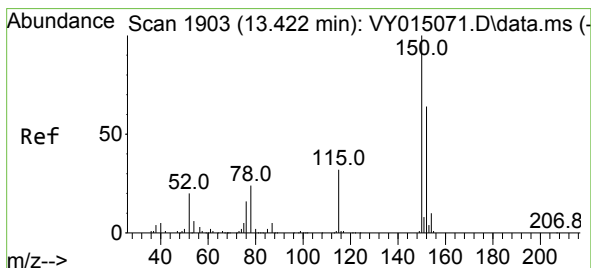
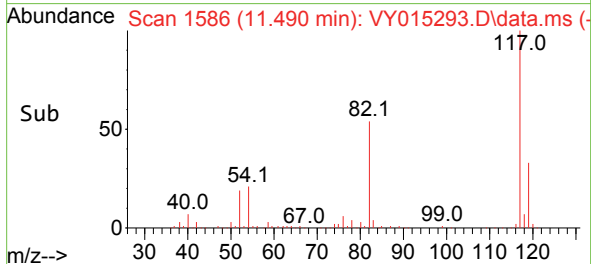
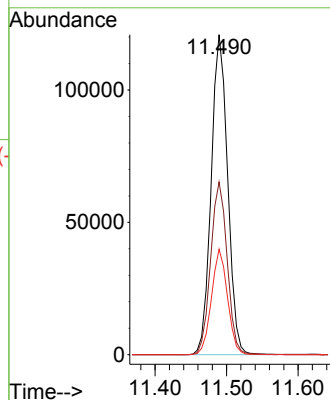
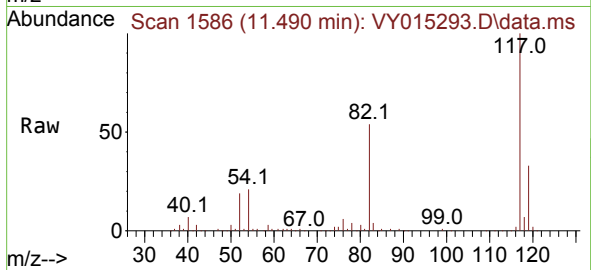




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

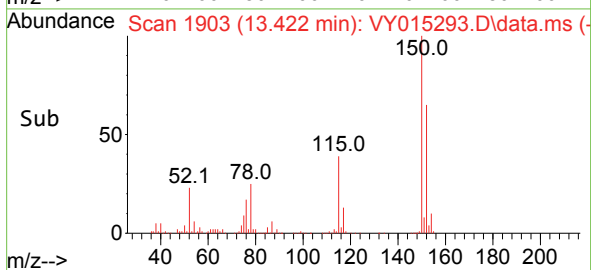
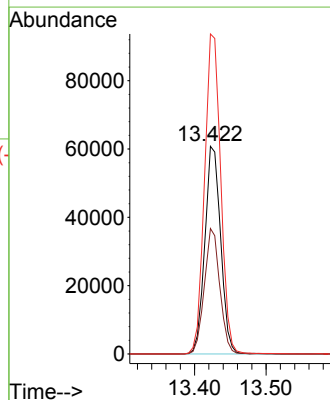
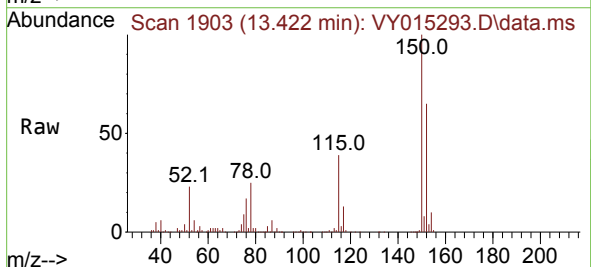
Instrument :
MSVOA_Y
ClientSampleId :

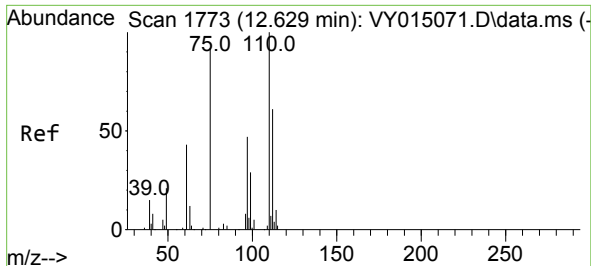
Tgt Ion:117 Resp: 193370
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

Tgt Ion:152 Resp: 93592
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.5
150 157.3 0.0 348.8

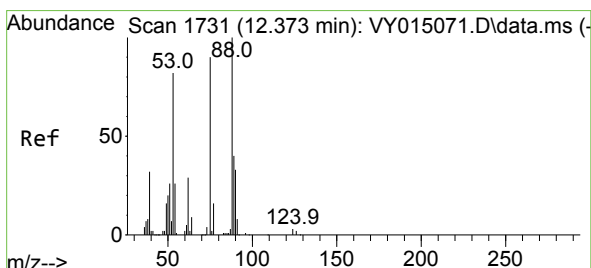
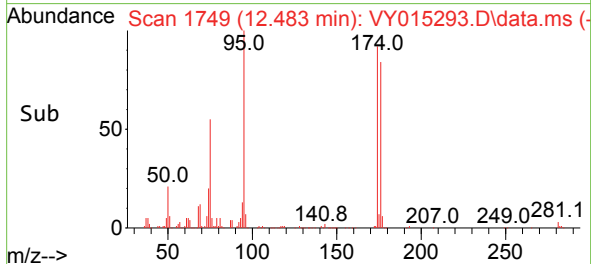
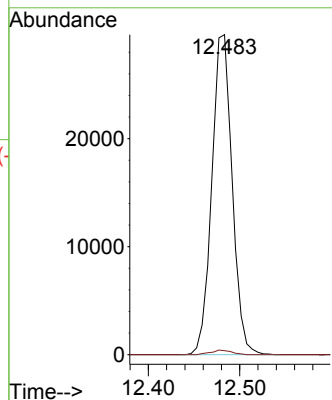
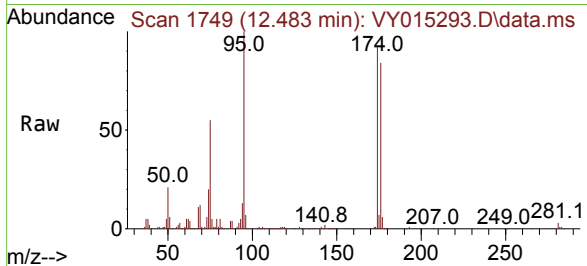




#76
1,2,3-Trichloropropane
Concen: 40.285 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 45807
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.485 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015293.D
Acq: 23 Aug 2023 20:07

Tgt Ion: 75 Resp: 45807
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

