

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015246.D
 Acq On : 22 Aug 2023 15:51
 Operator : SY/MD
 Sample : 04082-07
 Misc : 4.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 217

Quant Time: Aug 23 00:49:48 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)

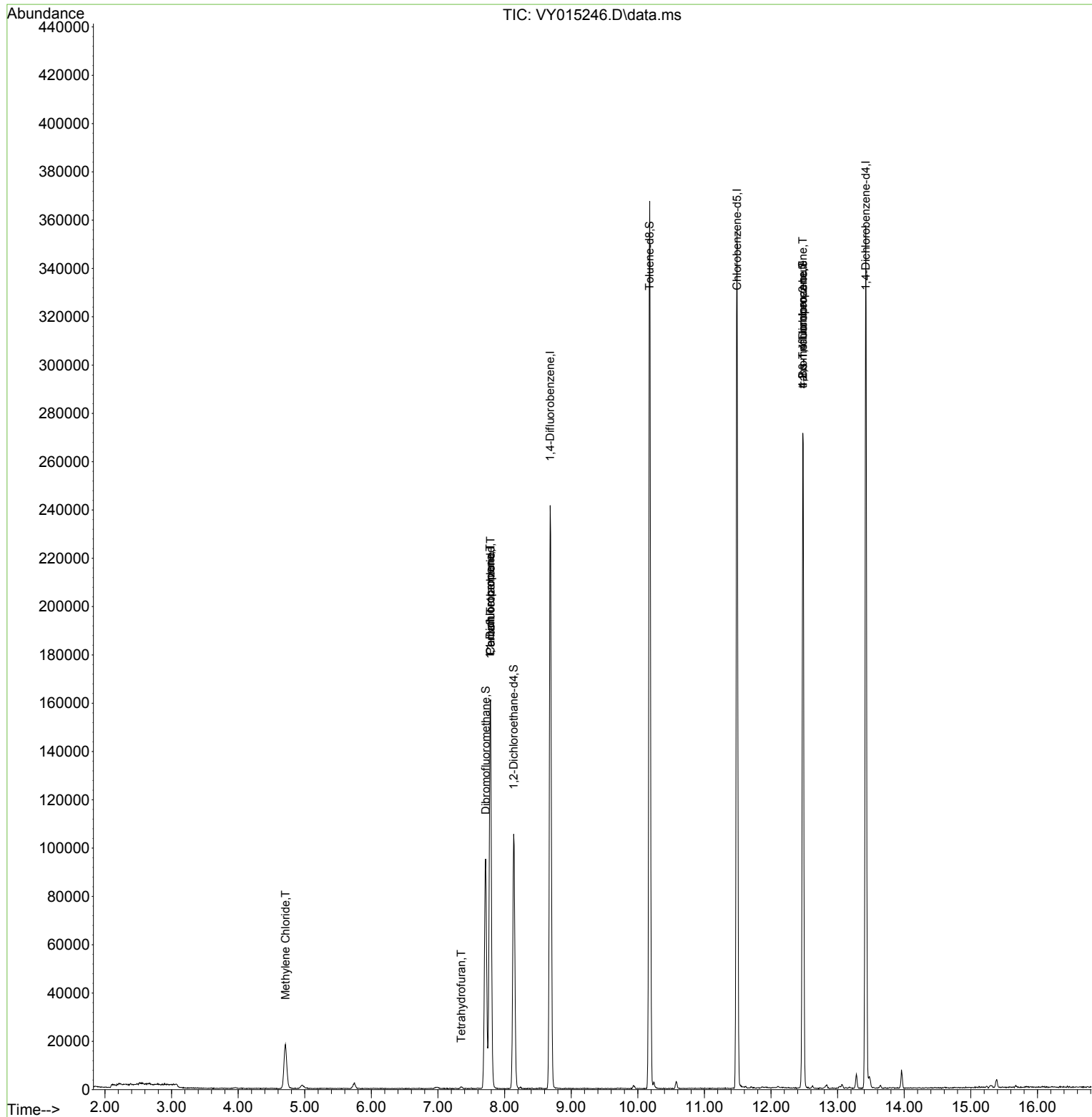
Internal Standards						
1) Pentafluorobenzene	7.789	168	125575	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	209425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	189498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	89163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	82340	54.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.240%	
35) Dibromofluoromethane	7.716	113	65555	48.656	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.320%	
50) Toluene-d8	10.179	98	244063	48.662	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.320%	
62) 4-Bromofluorobenzene	12.477	95	81140	44.293	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.580%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	44	Below Cal	#	43
3) Chloromethane	2.101	50	301	Below Cal		97
5) Bromomethane	2.656	94	160	Below Cal	#	75
11) Tert butyl alcohol	4.960	59	2977	Below Cal	#	94
20) Methylene Chloride	4.710	84	13542	7.825	ug/l	93
29) Tetrahydrofuran	7.350	42	542	1.300	ug/l #	77
31) Cyclohexane	7.789	56	2605	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	9925	6.659	ug/l #	49
38) Carbon Tetrachloride	7.789	117	12778	7.244	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	44145	40.752	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44145	89.511	ug/l #	11

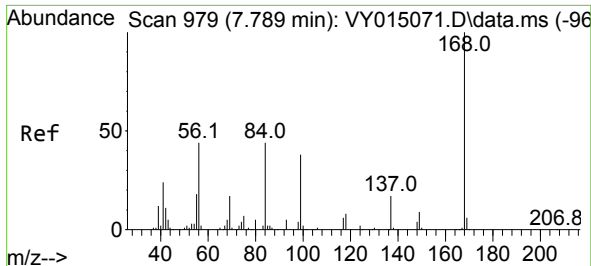
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

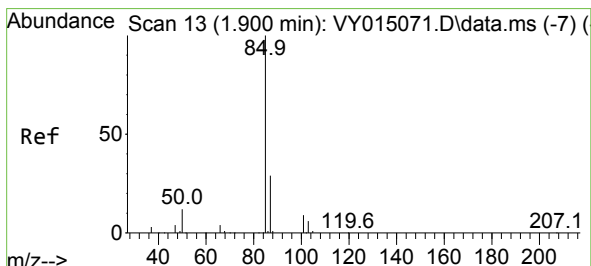
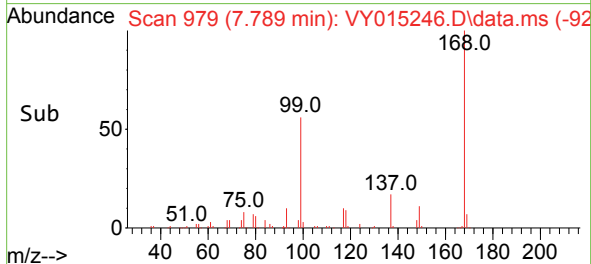
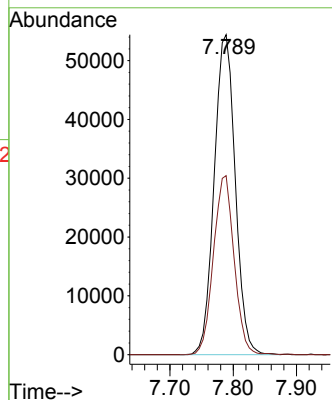
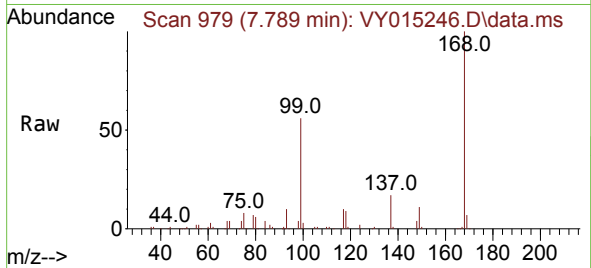




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

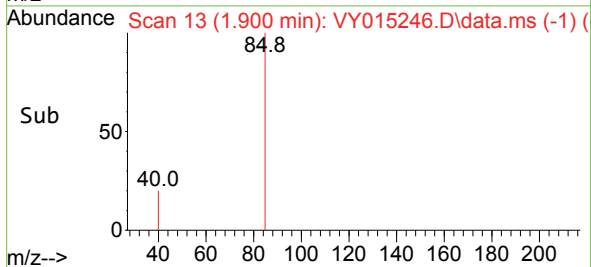
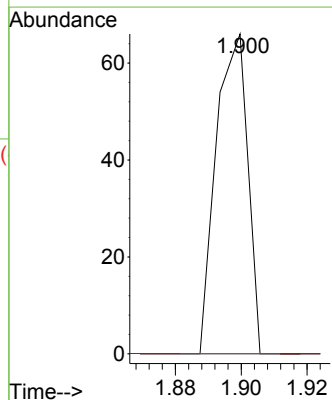
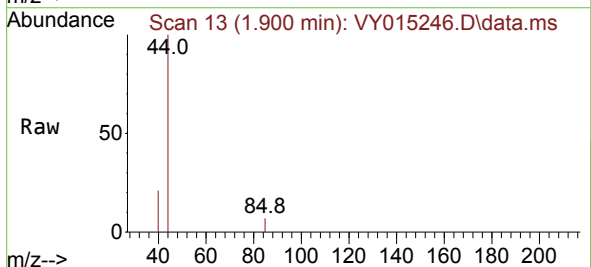
Instrument :
MSVOA_Y
ClientSampleId :
217

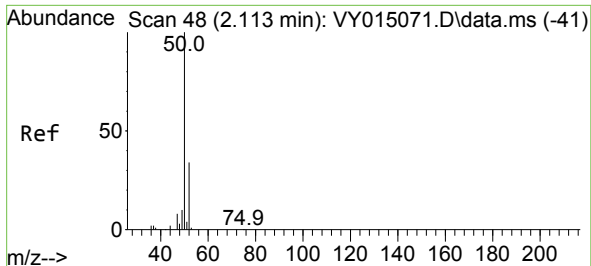
Tgt Ion:168 Resp: 125575
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

Tgt Ion: 85 Resp: 44
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

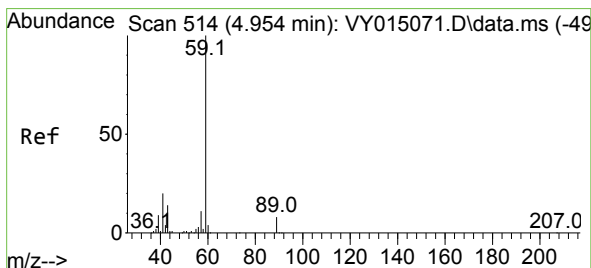
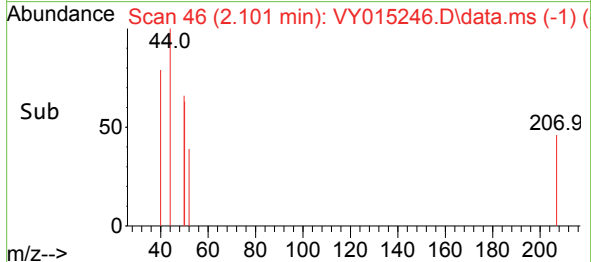
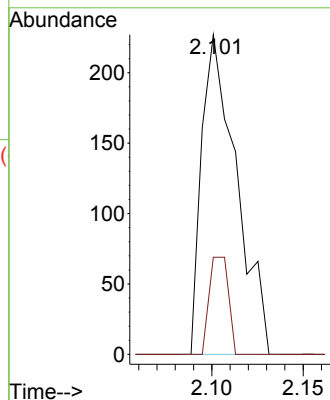
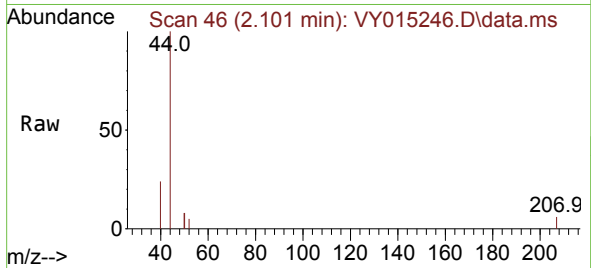




#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

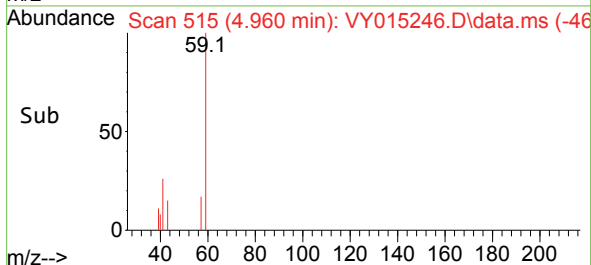
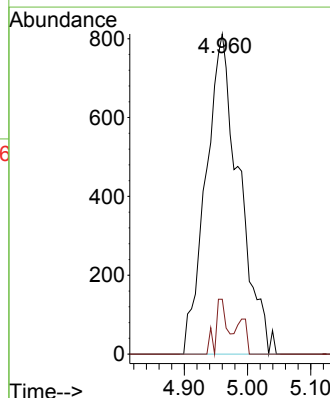
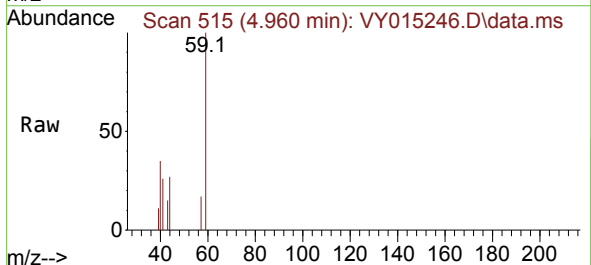
Instrument :
MSVOA_Y
ClientSampleId :
217

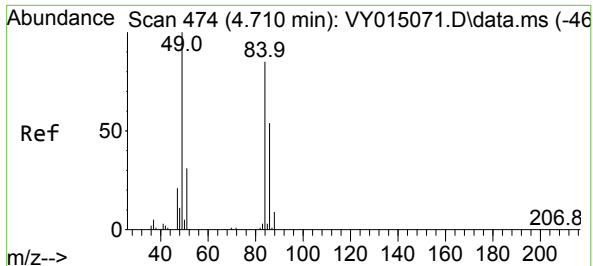
Tgt Ion: 50 Resp: 301
Ion Ratio Lower Upper
50 100
52 30.4 25.4 38.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

Tgt Ion: 59 Resp: 2977
Ion Ratio Lower Upper
59 100
57 5.7 3.0 4.4#

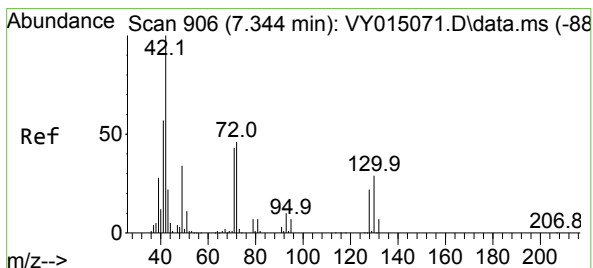
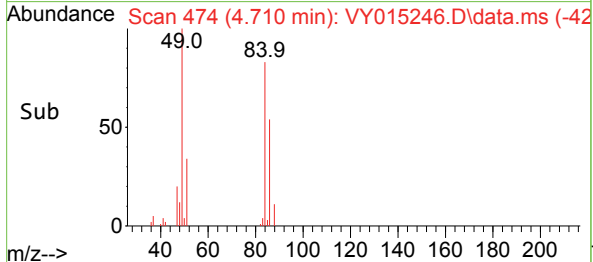
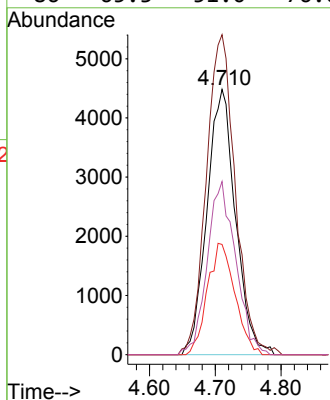
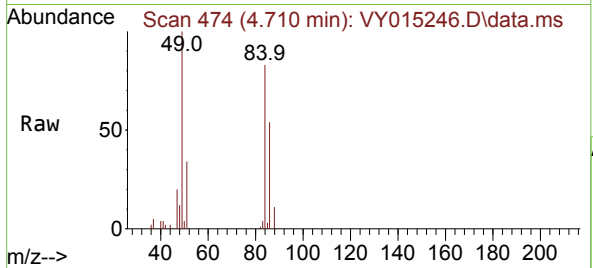




#20
Methylene Chloride
Concen: 7.825 ug/l
RT: 4.710 min Scan# 417
Delta R.T. 0.000 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

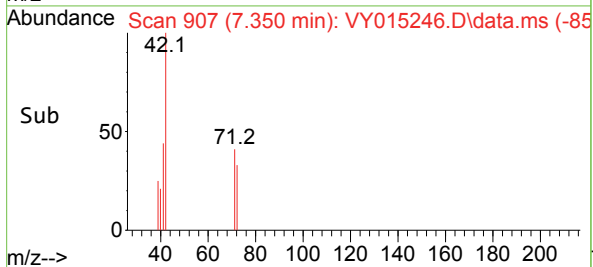
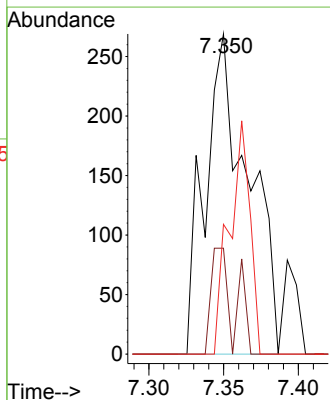
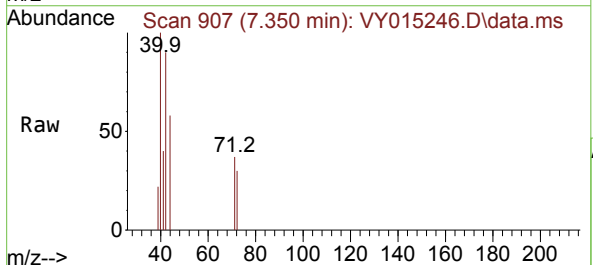
Instrument :
MSVOA_Y
ClientSampleId :
217

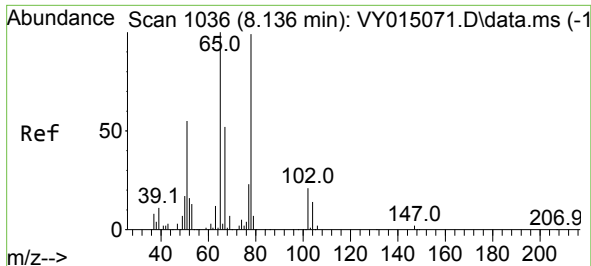
Tgt Ion:	84	Resp:	13542
Ion	Ratio	Lower	Upper
84	100		
49	120.6	106.9	160.3
51	41.5	33.2	49.8
86	65.3	51.0	76.6



#29
Tetrahydrofuran
Concen: 1.300 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

Tgt Ion:	42	Resp:	542
Ion	Ratio	Lower	Upper
42	100		
72	17.3	32.8	49.2#
71	34.7	31.0	46.4





#33

1,2-Dichloroethane-d4

Concen: 54.623 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015246.D

Acq: 22 Aug 2023 15:51

Instrument :

MSVOA_Y

ClientSampleId :

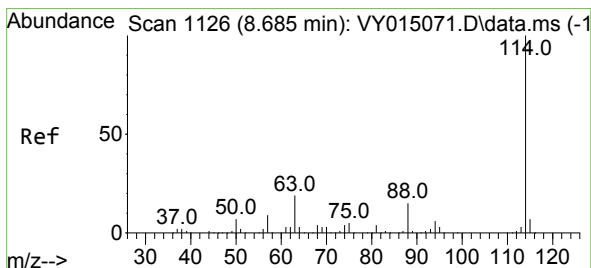
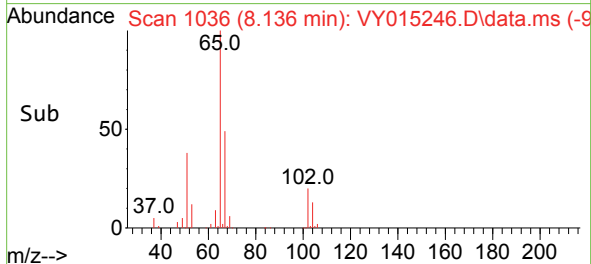
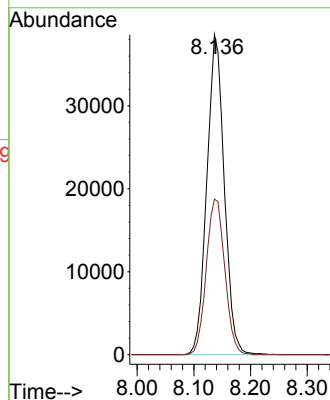
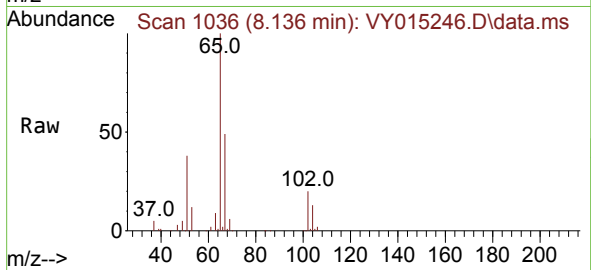
217

Tgt Ion: 65 Resp: 82340

Ion Ratio Lower Upper

65 100

67 51.6 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: VY015246.D

Acq: 22 Aug 2023 15:51

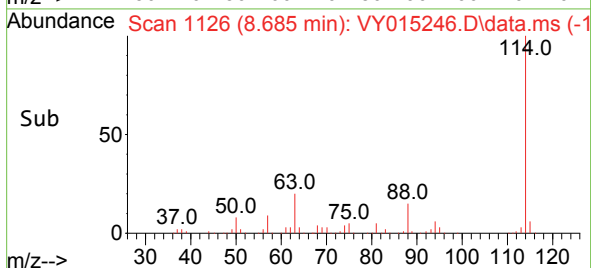
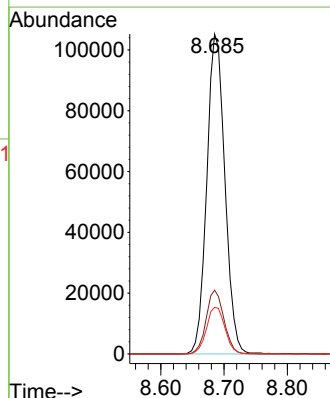
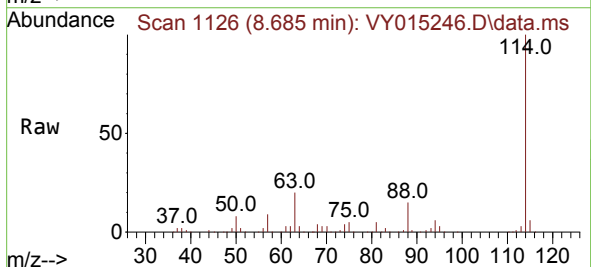
Tgt Ion: 114 Resp: 209425

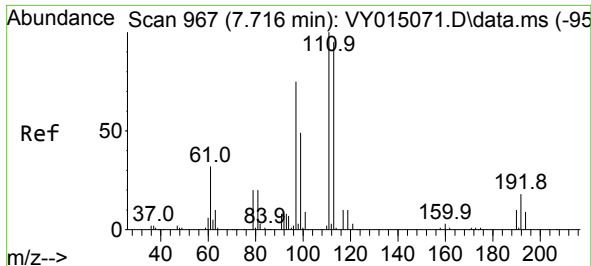
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 14.6 0.0 30.6

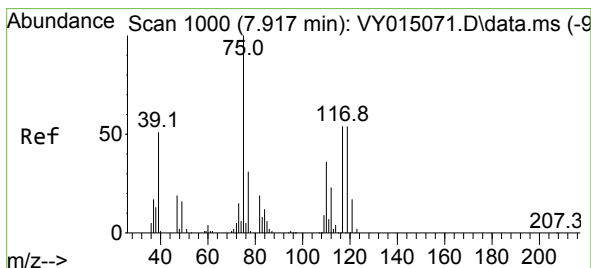
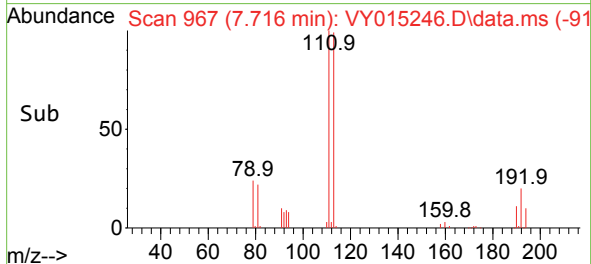
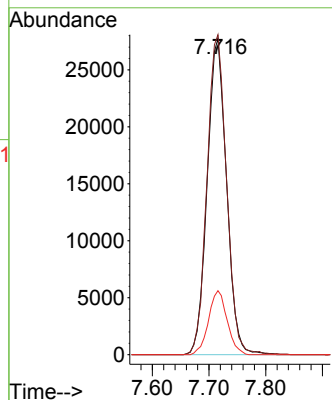
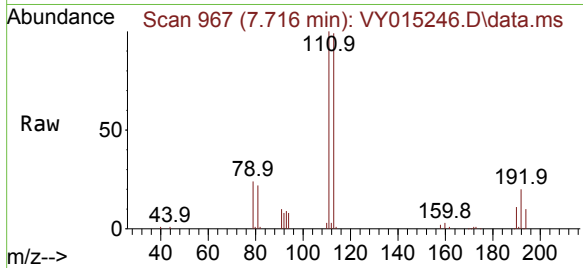




#35
 Dibromofluoromethane
 Concen: 48.656 ug/l
 RT: 7.716 min Scan# 917
 Delta R.T. -0.000 min
 Lab File: VY015246.D
 Acq: 22 Aug 2023 15:51

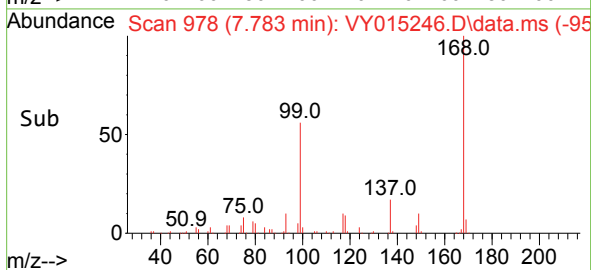
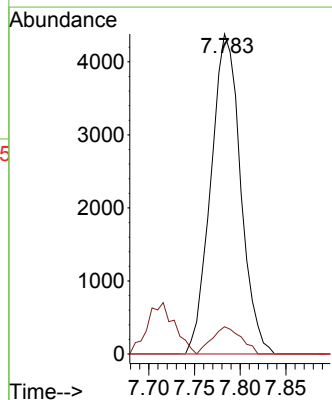
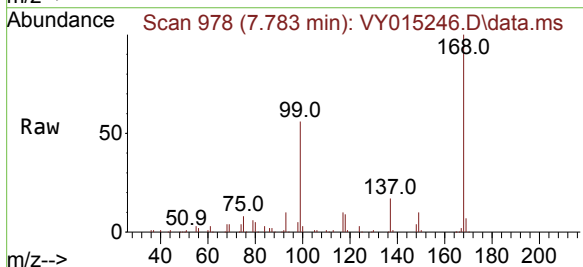
Instrument :
 MSVOA_Y
 ClientSampleId :
 217

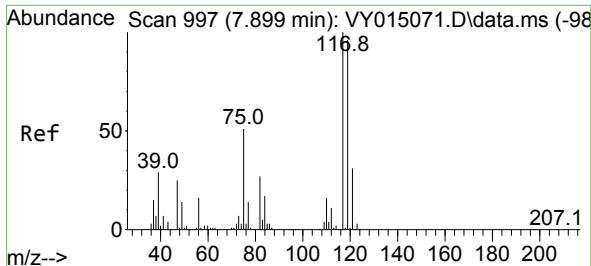
Tgt Ion:	113	Resp:	65555
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.3	121.9
192	19.6	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 6.659 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY015246.D
 Acq: 22 Aug 2023 15:51

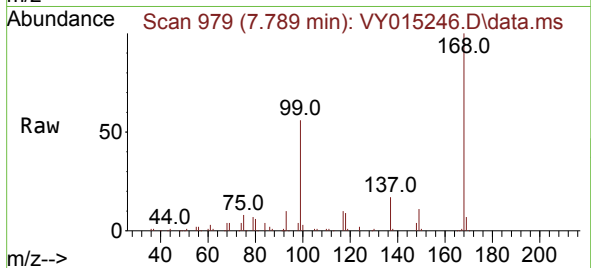
Tgt Ion:	75	Resp:	9925
Ion	Ratio	Lower	Upper
75	100		
110	8.3	17.8	53.5#
77	0.0	24.4	36.6#



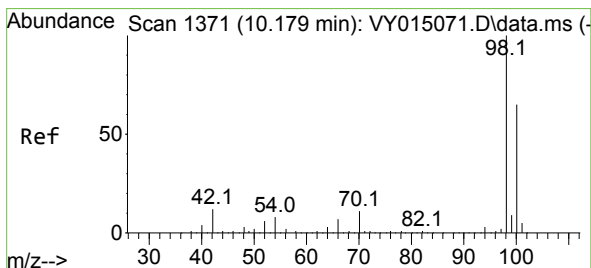
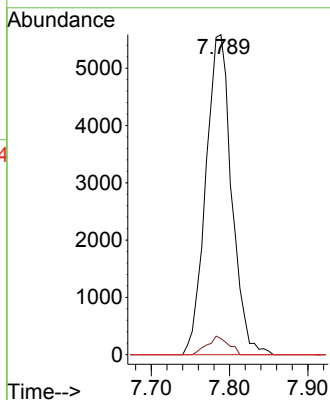
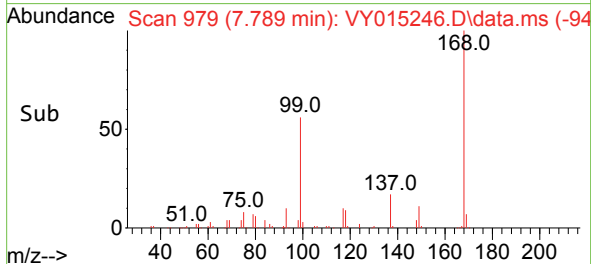


#38
Carbon Tetrachloride
Concen: 7.244 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

Instrument :
MSVOA_Y
ClientSampleId :
217

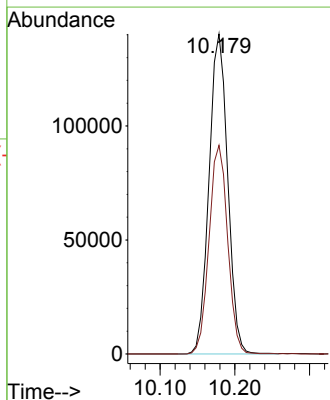
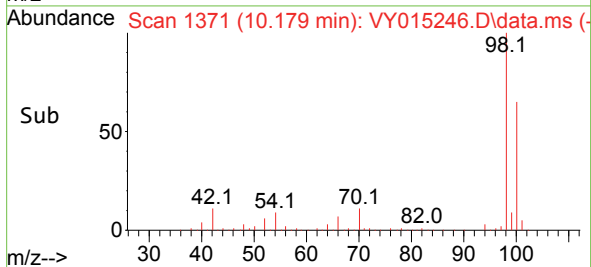
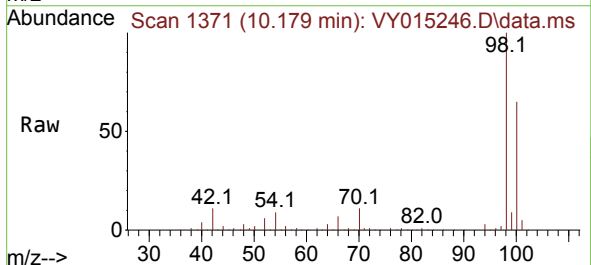


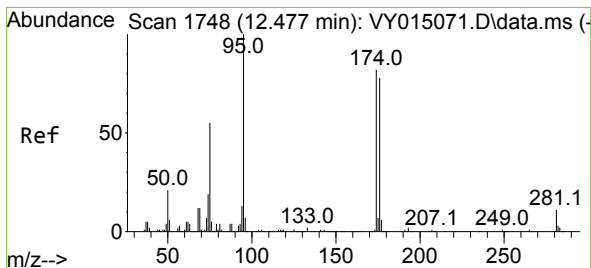
Tgt Ion:117 Resp: 12778
Ion Ratio Lower Upper
117 100
119 5.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.662 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

Tgt Ion: 98 Resp: 244063
Ion Ratio Lower Upper
98 100
100 65.0 50.1 75.1

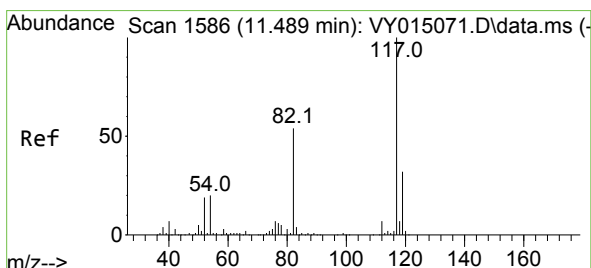
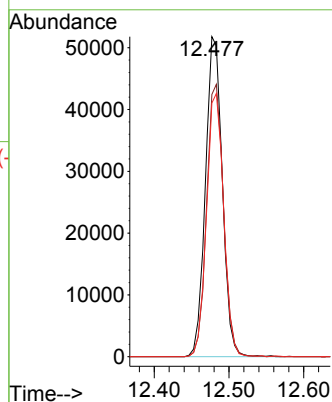
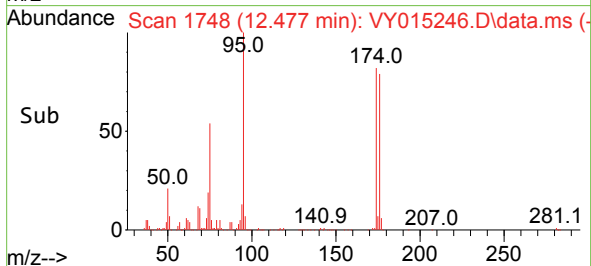
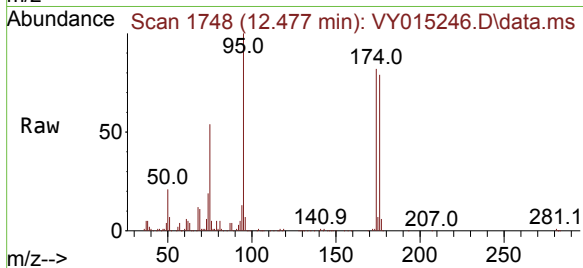




#62
4-Bromofluorobenzene
Concen: 44.293 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

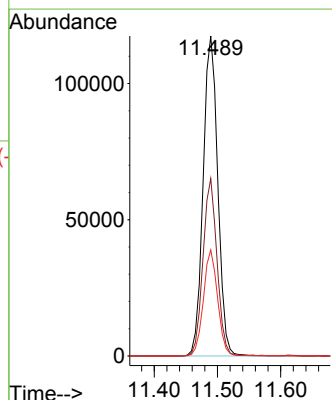
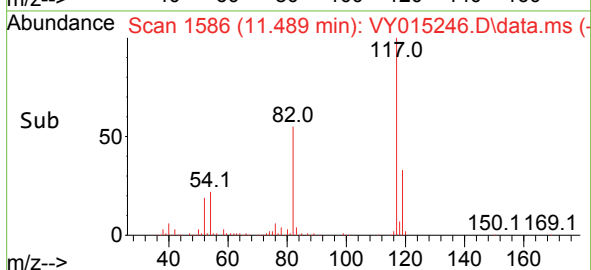
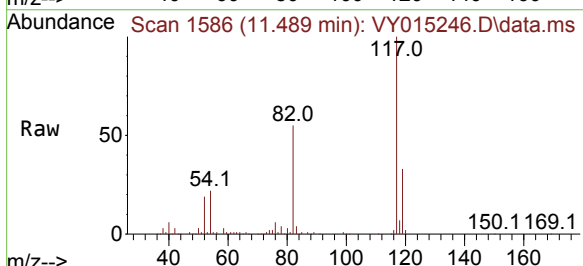
Instrument :
MSVOA_Y
ClientSampleId :
217

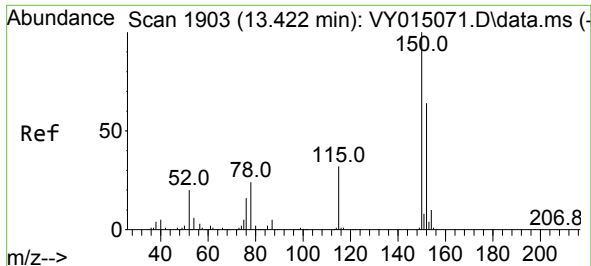
Tgt Ion: 95 Resp: 81140
Ion Ratio Lower Upper
95 100
174 85.3 0.0 178.2
176 83.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015246.D
Acq: 22 Aug 2023 15:51

Tgt Ion: 117 Resp: 189498
Ion Ratio Lower Upper
117 100
82 55.4 43.4 65.0
119 33.1 26.3 39.5

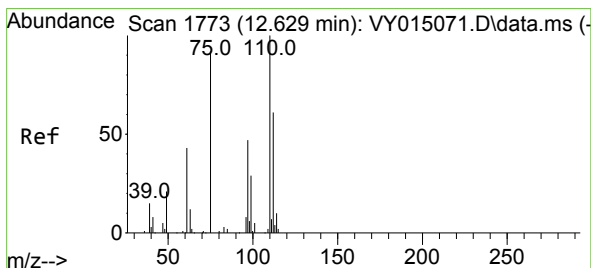
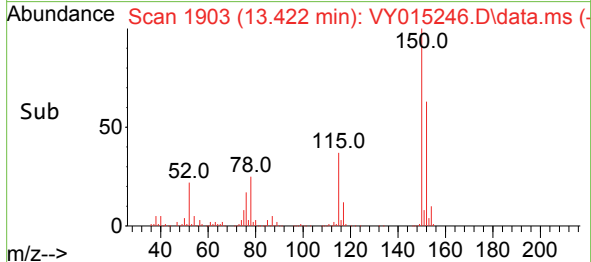
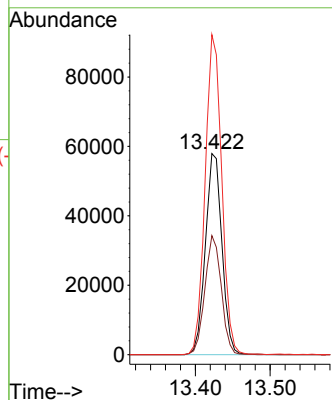
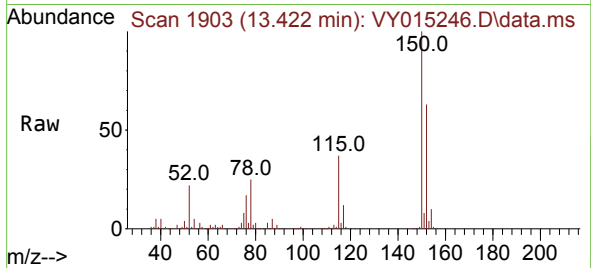




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015246.D
 Acq: 22 Aug 2023 15:51

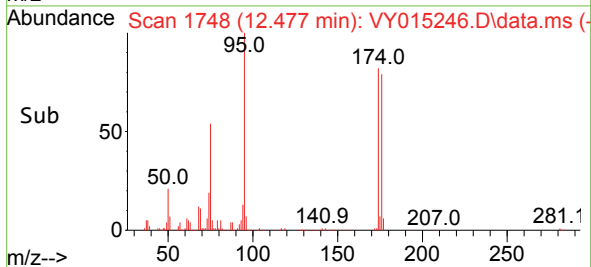
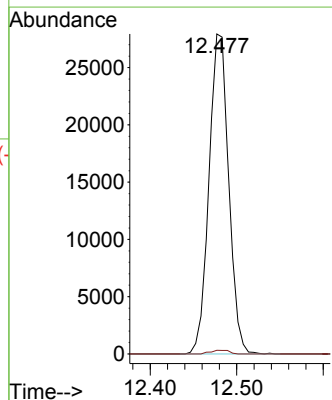
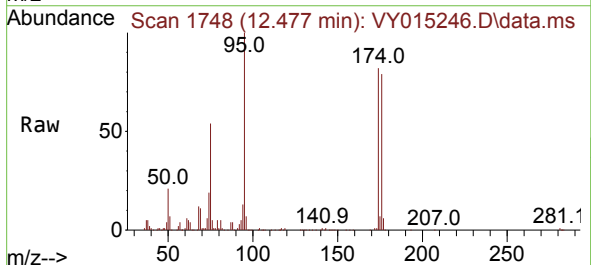
Instrument :
 MSVOA_Y
 ClientSampleId :
 217

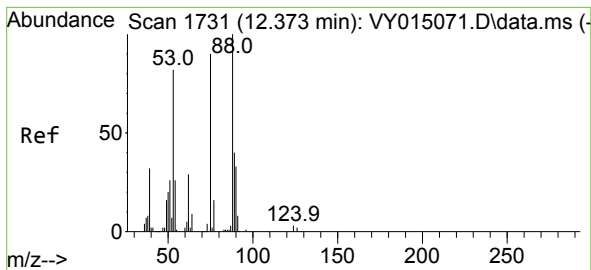
Tgt Ion:152 Resp: 89163
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.8 86.5
 150 159.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 40.752 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015246.D
 Acq: 22 Aug 2023 15:51

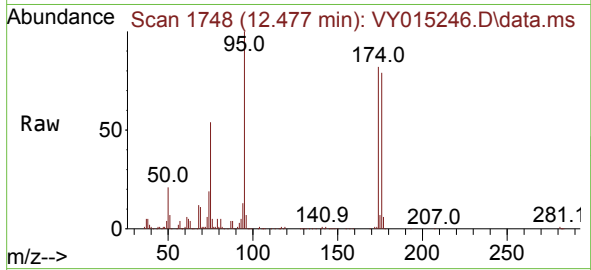
Tgt Ion: 75 Resp: 44145
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.511 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015246.D
 Acq: 22 Aug 2023 15:51

Instrument :
 MSVOA_Y
 ClientSampleId :
 217



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

