

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015337.D
 Acq On : 25 Aug 2023 13:06
 Operator : SY/MD
 Sample : 04091-16
 Misc : 3.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 13:46:00 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)

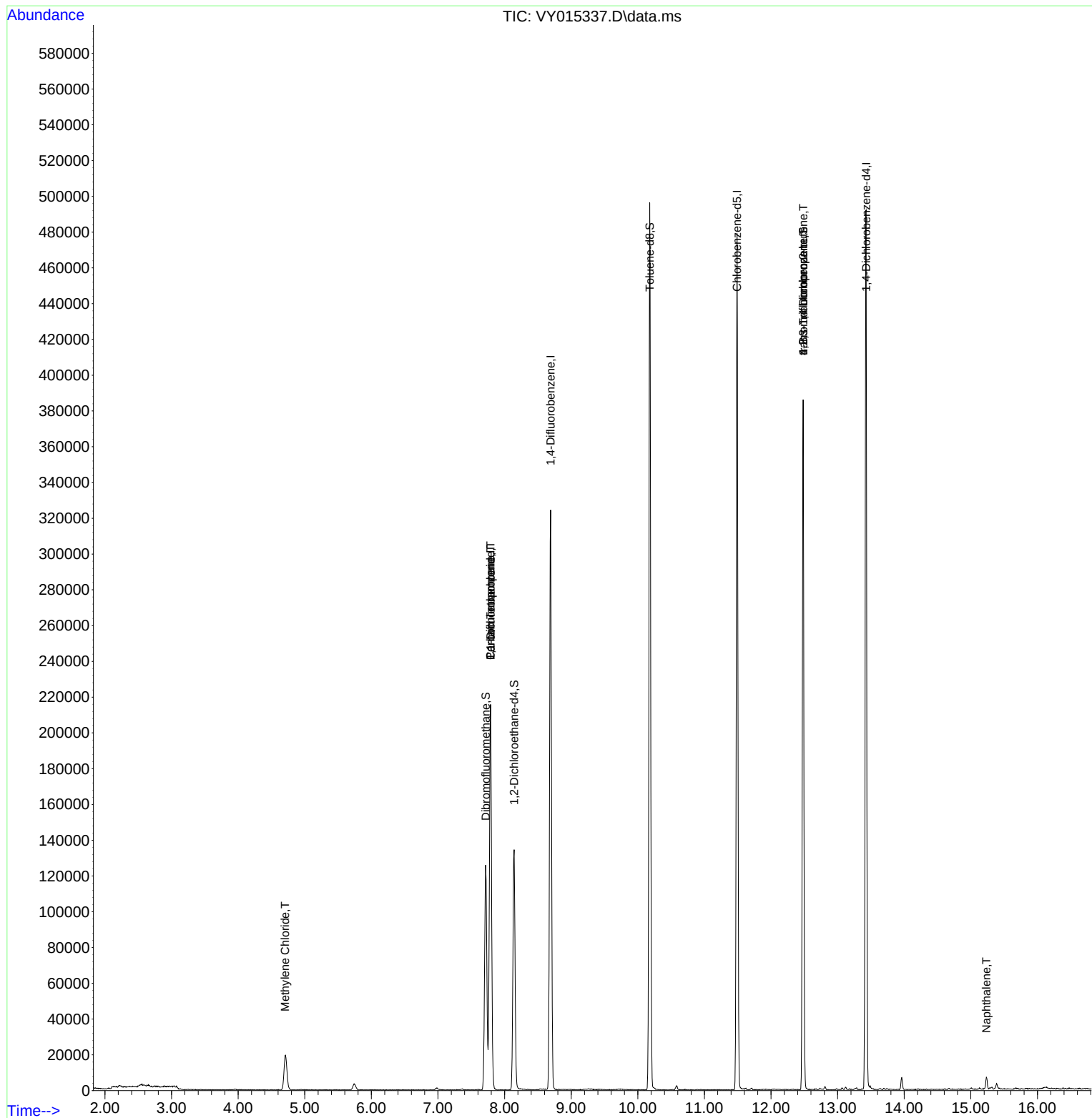
Internal Standards						
1) Pentafluorobenzene	7.789	168	166902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	279429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	107857	53.834	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.660%	
35) Dibromofluoromethane	7.716	113	87694	48.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.560%	
50) Toluene-d8	10.179	98	322696	48.222	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.440%	
62) 4-Bromofluorobenzene	12.483	95	115006	47.052	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.100%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	106	Below Cal	#	43
3) Chloromethane	2.101	50	454	Below Cal	#	43
5) Bromomethane	2.656	94	298	Below Cal	#	45
11) Tert butyl alcohol	4.948	59	151	Below Cal	#	89
20) Methylene Chloride	4.704	84	15205	5.877	ug/l	87
31) Cyclohexane	7.789	56	3346	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	12590	6.330	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17324	7.360	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	61935	40.874	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	61935	89.780	ug/l #	10
95) Naphthalene	15.233	128	5879	1.015	ug/l	97

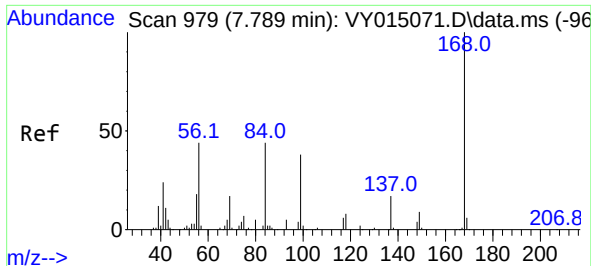
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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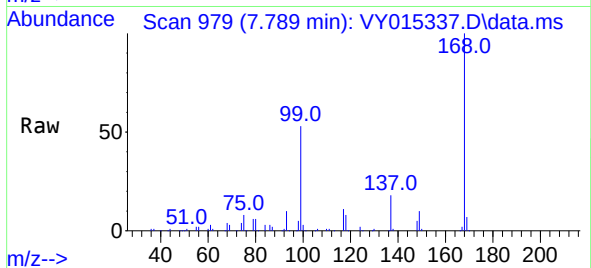
Quant Time: Aug 25 13:46:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
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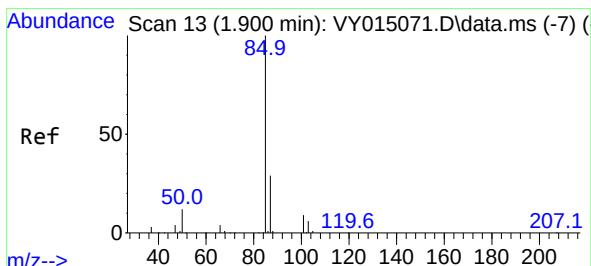
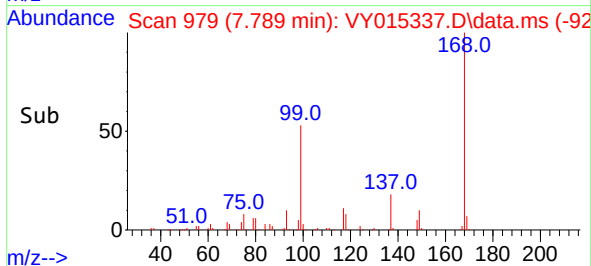
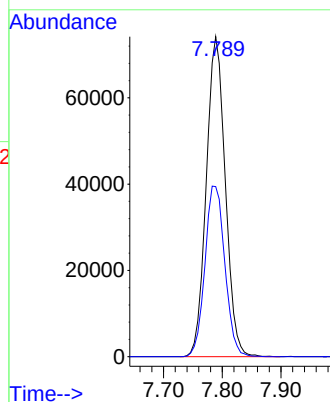


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

Instrument :
MSVOA_Y
ClientSampleId :

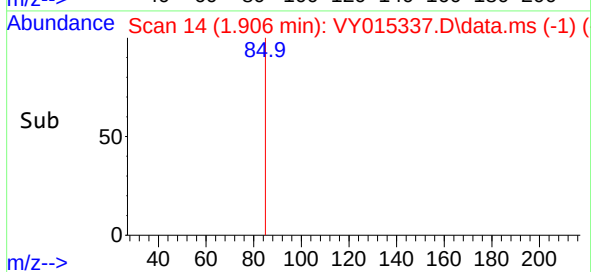
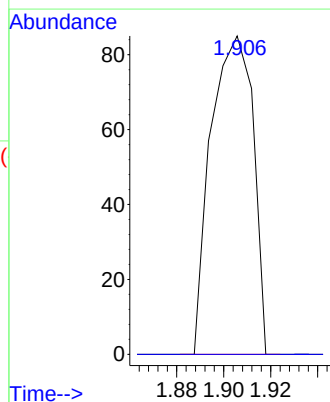
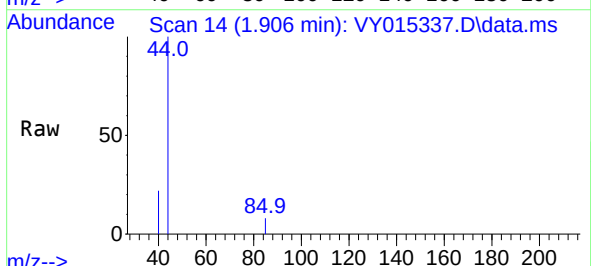


Tgt Ion:168 Resp: 166902
Ion Ratio Lower Upper
168 100
99 53.1 43.4 65.0

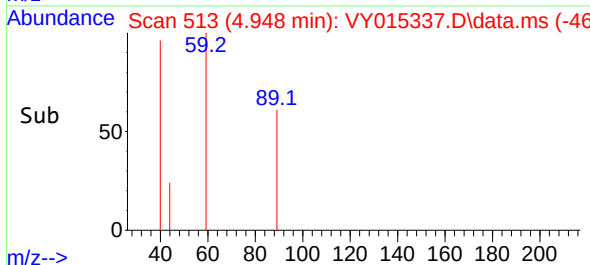
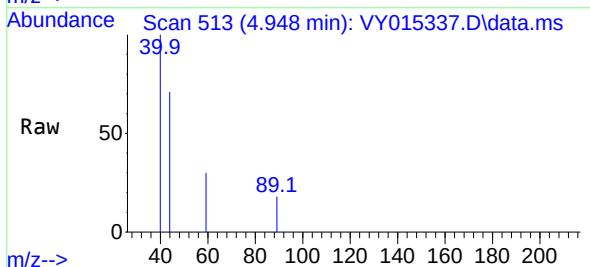
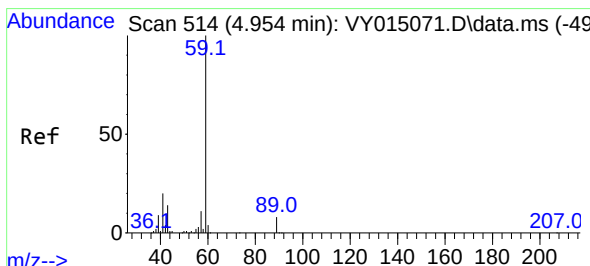
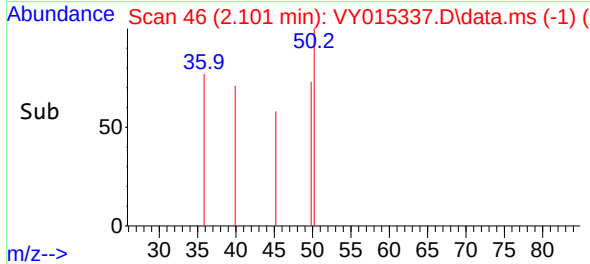
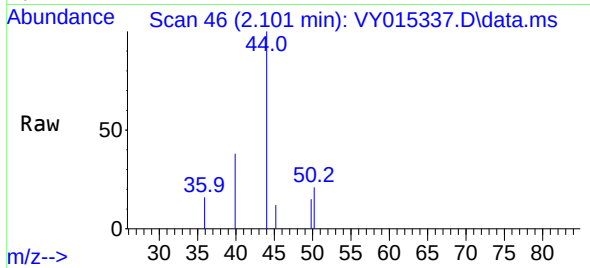
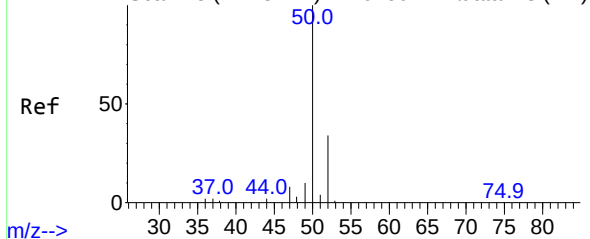


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

Tgt Ion: 85 Resp: 106
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#



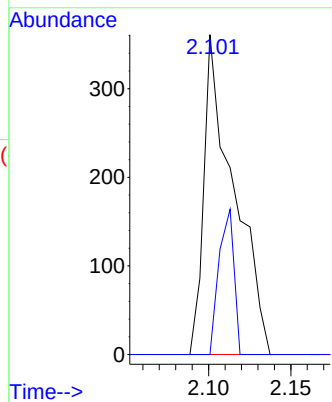
Abundance Scan 48 (2.113 min): VY015071.D\data.ms (-41)



#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

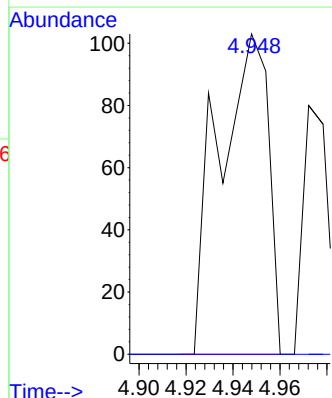
Instrument :
MSVOA_Y
ClientSampleId :

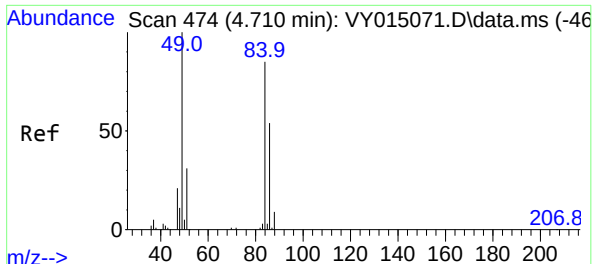
Tgt Ion: 50 Resp: 454
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

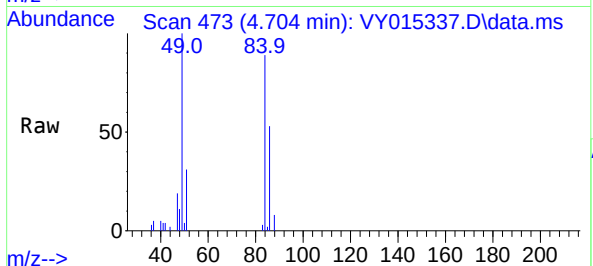
Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





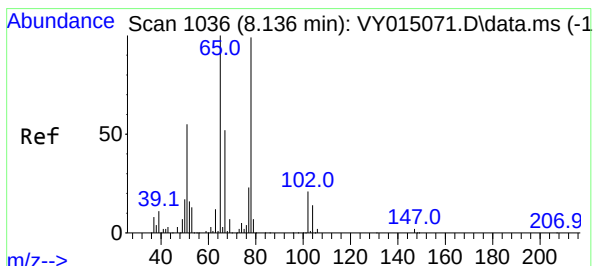
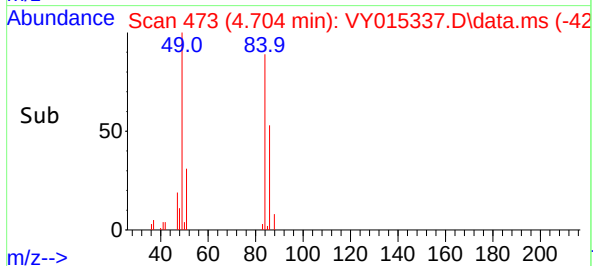
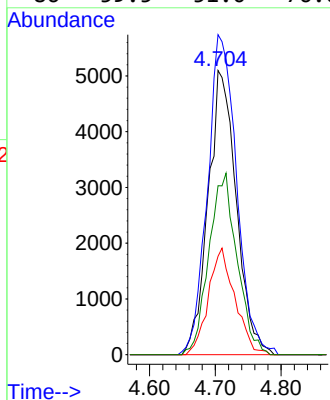
#20
Methylene Chloride
Concen: 5.877 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 15205

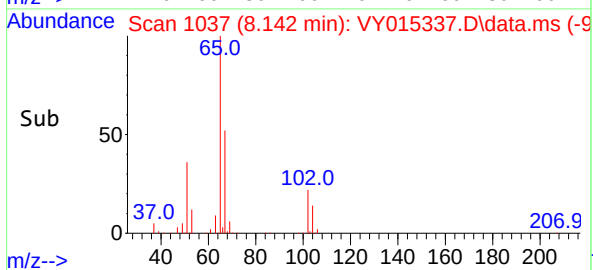
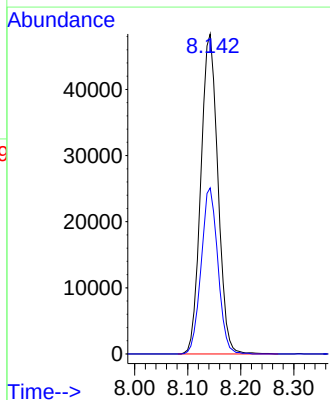
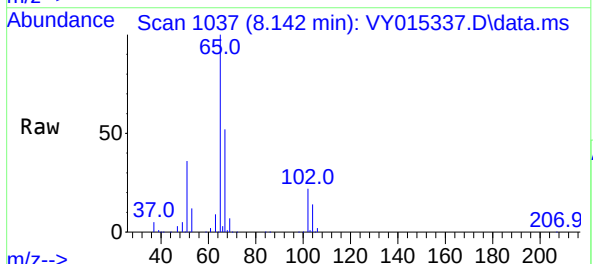
Ion	Ratio	Lower	Upper
84	100		
49	112.6	106.9	160.3
51	34.6	33.2	49.8
86	59.5	51.0	76.6

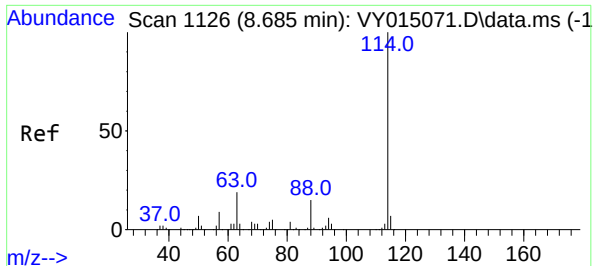


#33
1,2-Dichloroethane-d4
Concen: 53.834 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

Tgt Ion: 65 Resp: 107857

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015337.D

Acq: 25 Aug 2023 13:06

Instrument :

MSVOA_Y

ClientSampleId :

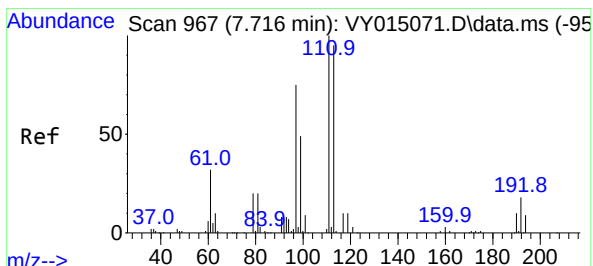
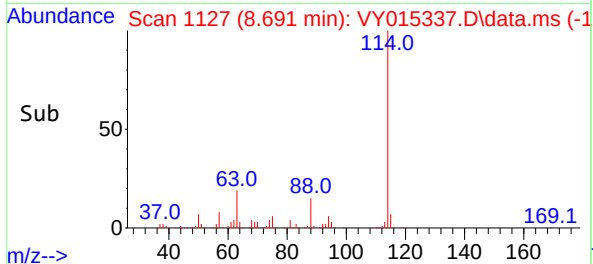
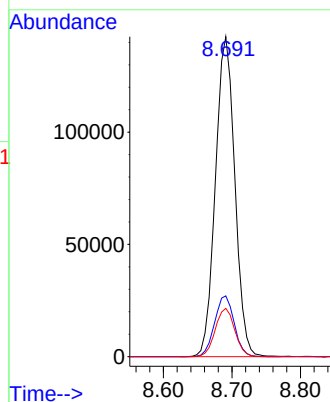
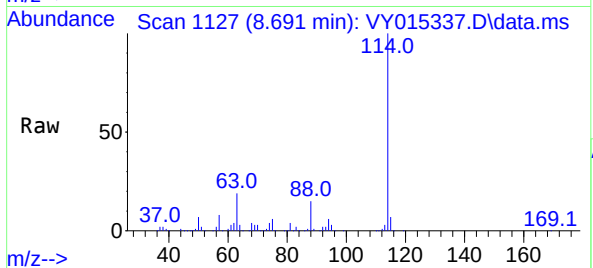
Tgt Ion:114 Resp: 279429

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.782 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015337.D

Acq: 25 Aug 2023 13:06

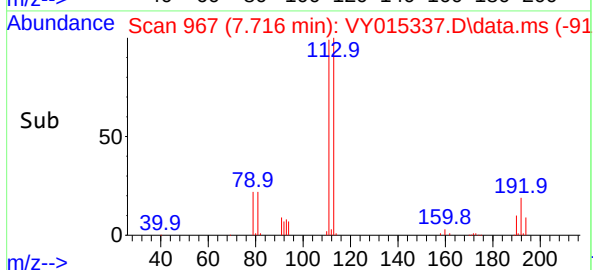
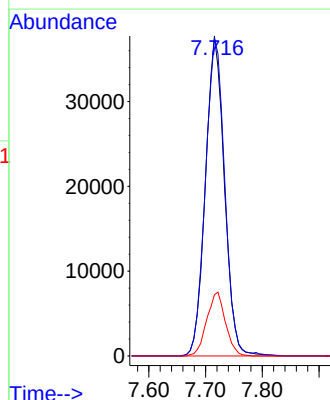
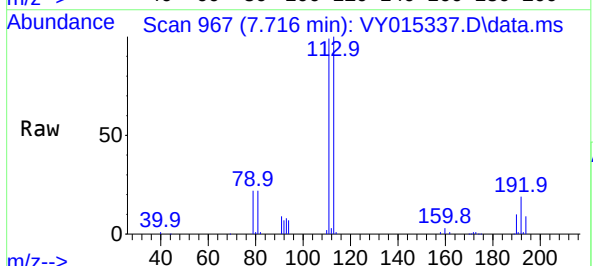
Tgt Ion:113 Resp: 87694

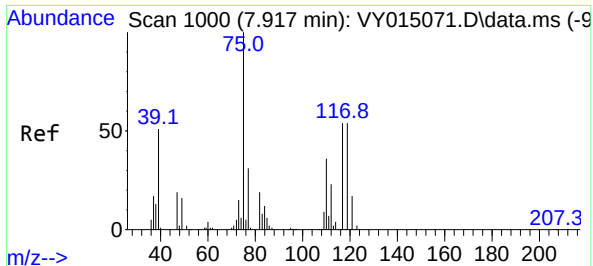
Ion Ratio Lower Upper

113 100

111 101.6 81.3 121.9

192 19.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.330 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY015337.D

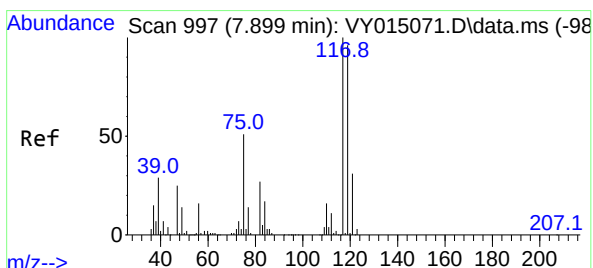
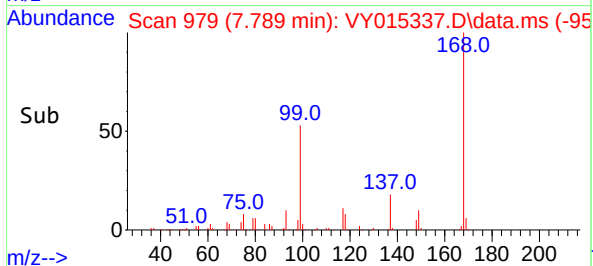
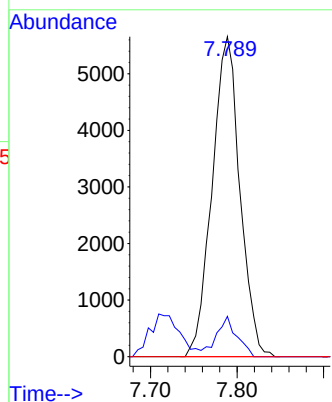
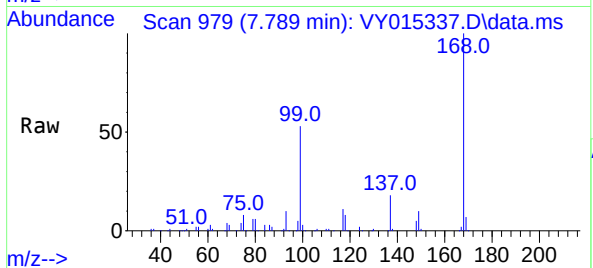
Acq: 25 Aug 2023 13:06

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	12590
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.8	53.5#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 7.360 ug/l

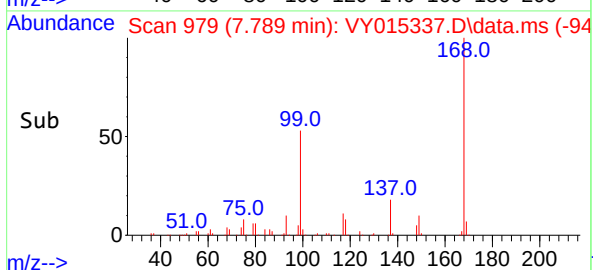
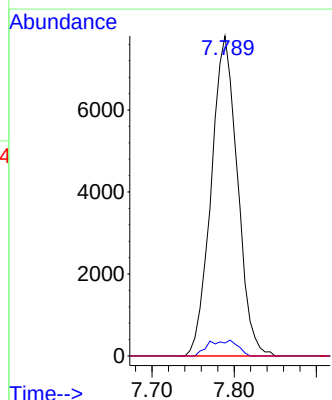
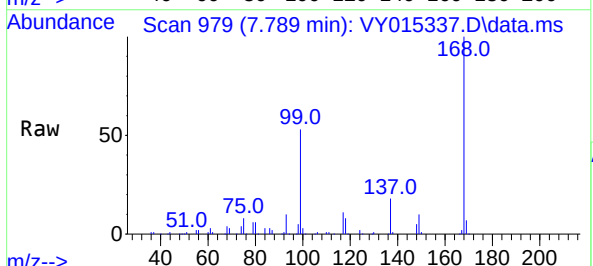
RT: 7.789 min Scan# 979

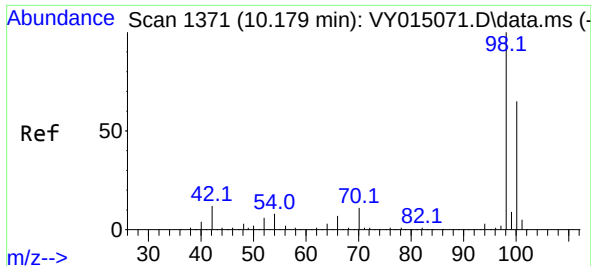
Delta R.T. -0.110 min

Lab File: VY015337.D

Acq: 25 Aug 2023 13:06

Tgt Ion:	117	Resp:	17324
Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.4	114.6#
121	0.0	25.8	38.6#

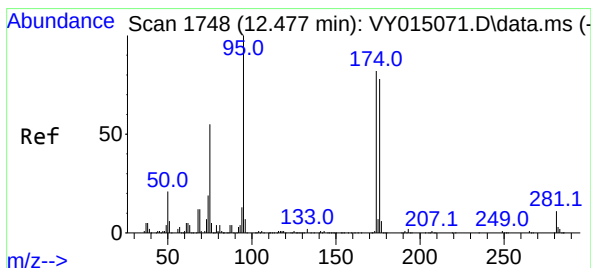
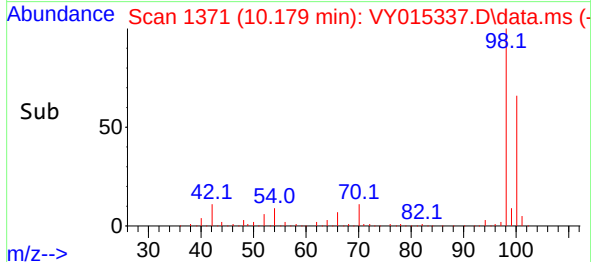
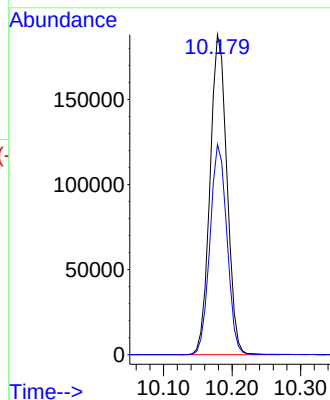
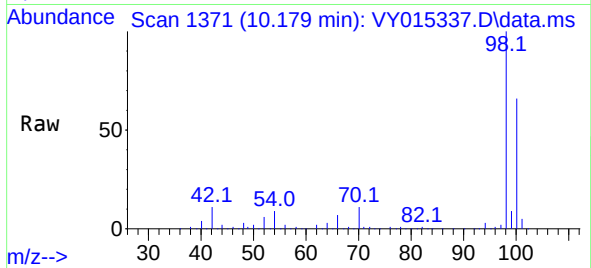




#50
Toluene-d8
Concen: 48.222 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

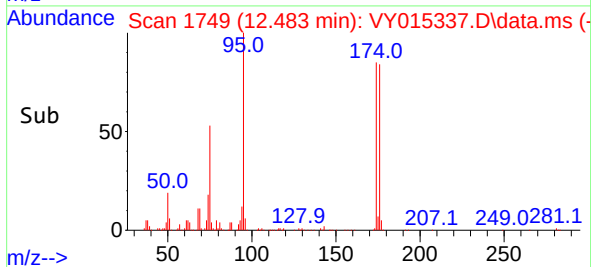
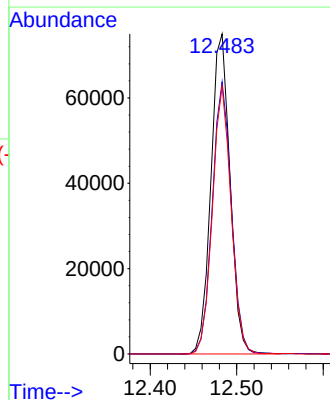
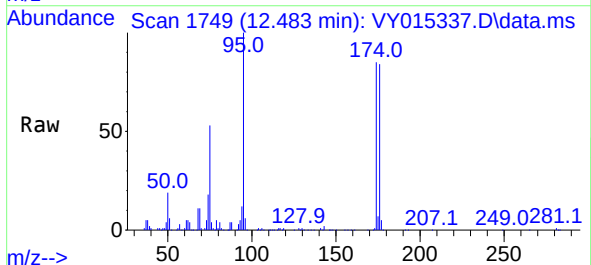
Instrument :
MSVOA_Y
ClientSampleId :

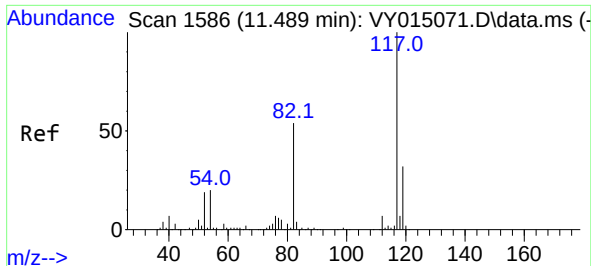
Tgt Ion: 98 Resp: 322696
Ion Ratio Lower Upper
98 100
100 65.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 47.052 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

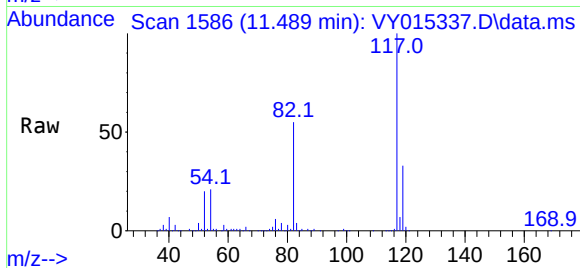
Tgt Ion: 95 Resp: 115006
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 81.9 0.0 173.8



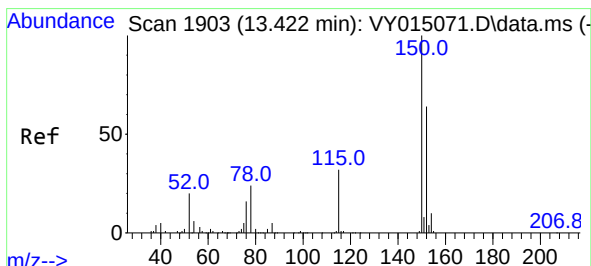
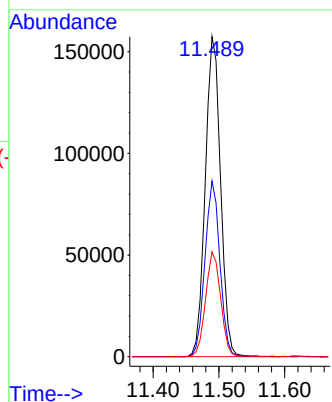
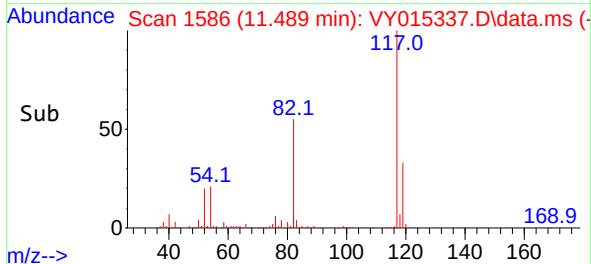


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

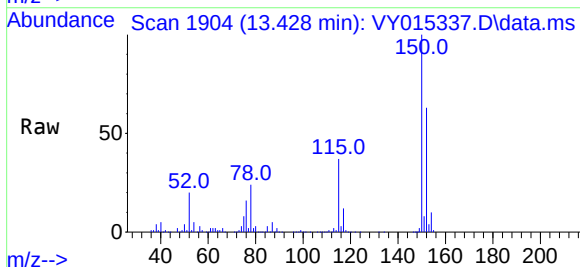
Instrument :
MSVOA_Y
ClientSampleId :



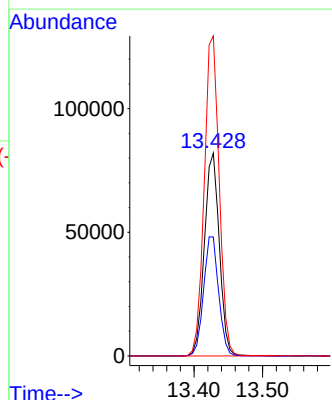
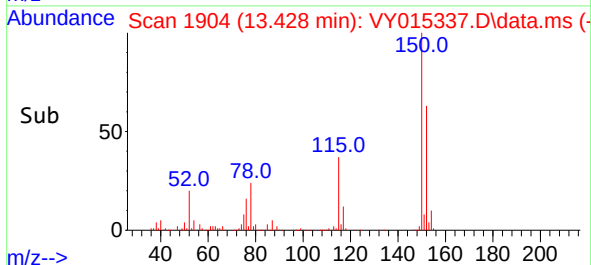
Tgt Ion:117 Resp: 254719
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 32.7 26.3 39.5

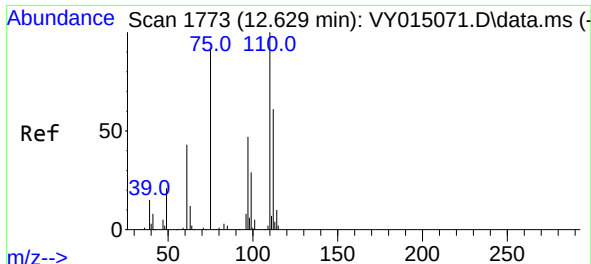


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06



Tgt Ion:152 Resp: 124720
Ion Ratio Lower Upper
152 100
115 59.3 28.8 86.5
150 157.8 0.0 348.8

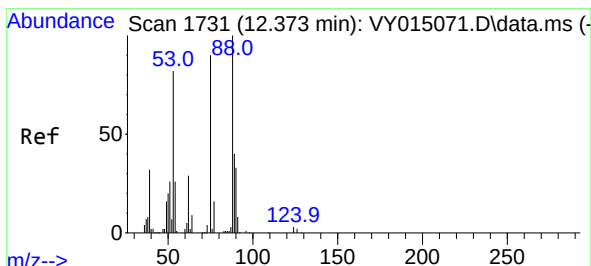
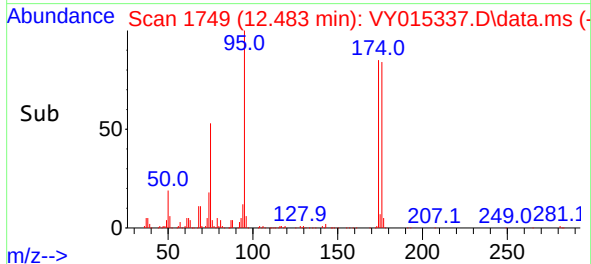
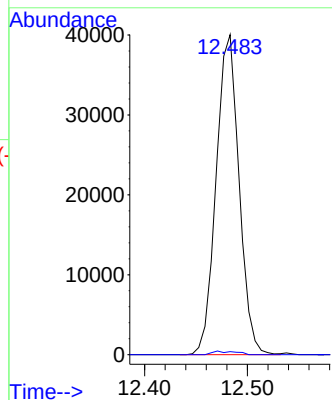
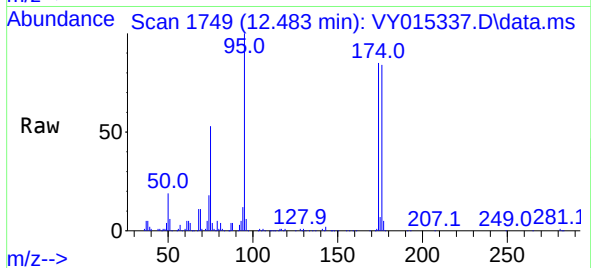




#76
1,2,3-Trichloropropane
Concen: 40.874 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

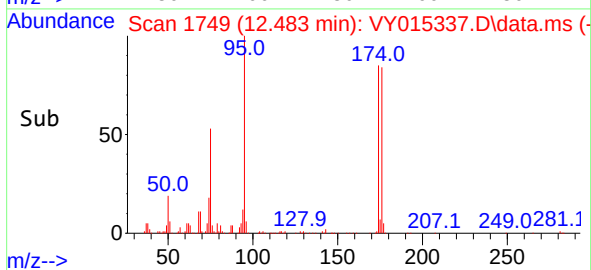
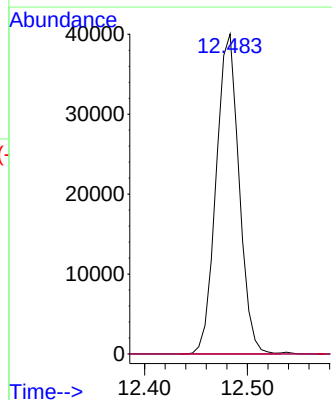
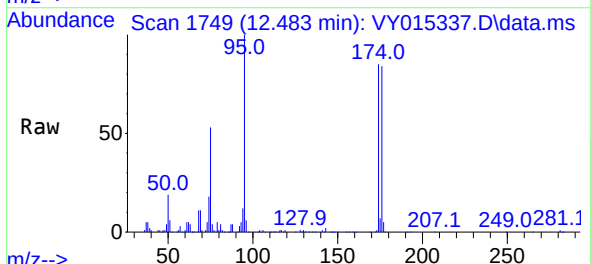
Instrument :
MSVOA_Y
ClientSampleId :

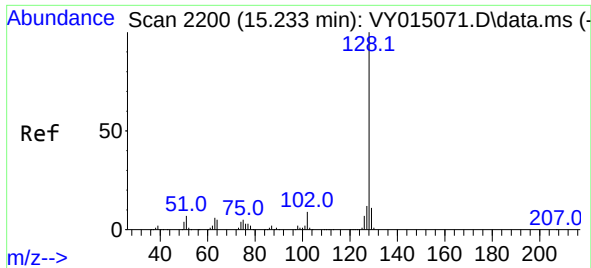
Tgt Ion: 75 Resp: 61935
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.780 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

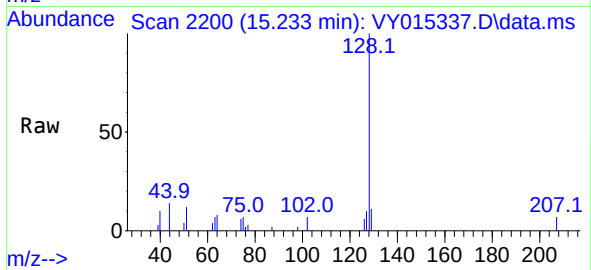
Tgt Ion: 75 Resp: 61935
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#95
Naphthalene
Concen: 1.015 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015337.D
Acq: 25 Aug 2023 13:06

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 5879
Ion Ratio Lower Upper
128 100
127 12.1 10.8 16.2
129 11.7 8.6 13.0

