Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
Data File : VY010785.D
Acq On : 04 Oct 2022 11:23
Operator : KP/MD
Sample : N4936-01RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 05 07:25:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 04 07:26:22 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.795	168	4492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1979	43.464	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 86.920%			
35) Dibromofluoromethane	7.728	113	1008	22.447	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 44.900%#			
50) Toluene-d8	10.179	98	5619	36.588	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 73.180%			
62) 4-Bromofluorobenzene	12.483	95	1537	23.680	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 47.360%			

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.113	50	507	9.795	ug/l	96
5) Bromomethane	2.668	94	355	8.027	ug/l	98
10) Methyl Iodide	4.101	142	1120	19.253	ug/l #	87
16) Acetone	3.936	43	20	1.730	ug/l #	47
36) 1,1-Dichloropropene	7.789	75	331	5.106	ug/l #	42
38) Carbon Tetrachloride	7.801	117	425	6.294	ug/l #	11
40) Benzene	8.173	78	247	1.323	ug/l #	50
64) Tetrachloroethene	10.709	164	86	1.942	ug/l #	1
70) Styrene	12.050	104	169	1.317	ug/l #	24
73) Isopropylbenzene	12.337	105	195	2.122	ug/l #	48
76) 1,2,3-Trichloropropane	12.489	75	754	59.564	ug/l #	100
77) Bromobenzene	12.617	156	70	3.321	ug/l #	56
78) n-propylbenzene	12.678	91	252	2.252	ug/l #	53
79) 2-Chlorotoluene	12.861	91	149	2.380	ug/l	90
80) 1,3,5-Trimethylbenzene	12.813	105	197	2.535	ug/l #	28
81) trans-1,4-Dichloro-2-b...	12.489	75	754	124.424	ug/l #	7
82) 4-Chlorotoluene	12.861	91	149	2.276	ug/l	90
83) tert-Butylbenzene	13.075	119	103	1.554	ug/l #	58
84) 1,2,4-Trimethylbenzene	13.123	105	136	1.780	ug/l #	31
85) sec-Butylbenzene	13.245	105	193	1.935	ug/l #	56
86) p-Isopropyltoluene	13.367	119	113	1.350	ug/l #	50
87) 1,3-Dichlorobenzene	13.367	146	126	2.945	ug/l #	48
88) 1,4-Dichlorobenzene	13.453	146	160	3.776	ug/l #	66
89) n-Butylbenzene	13.697	91	80	1.039	ug/l #	33
91) 1,2-Dichlorobenzene	13.739	146	104	2.789	ug/l #	54
95) Naphthalene	15.245	128	173	4.148	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	122	6.540	ug/l #	13

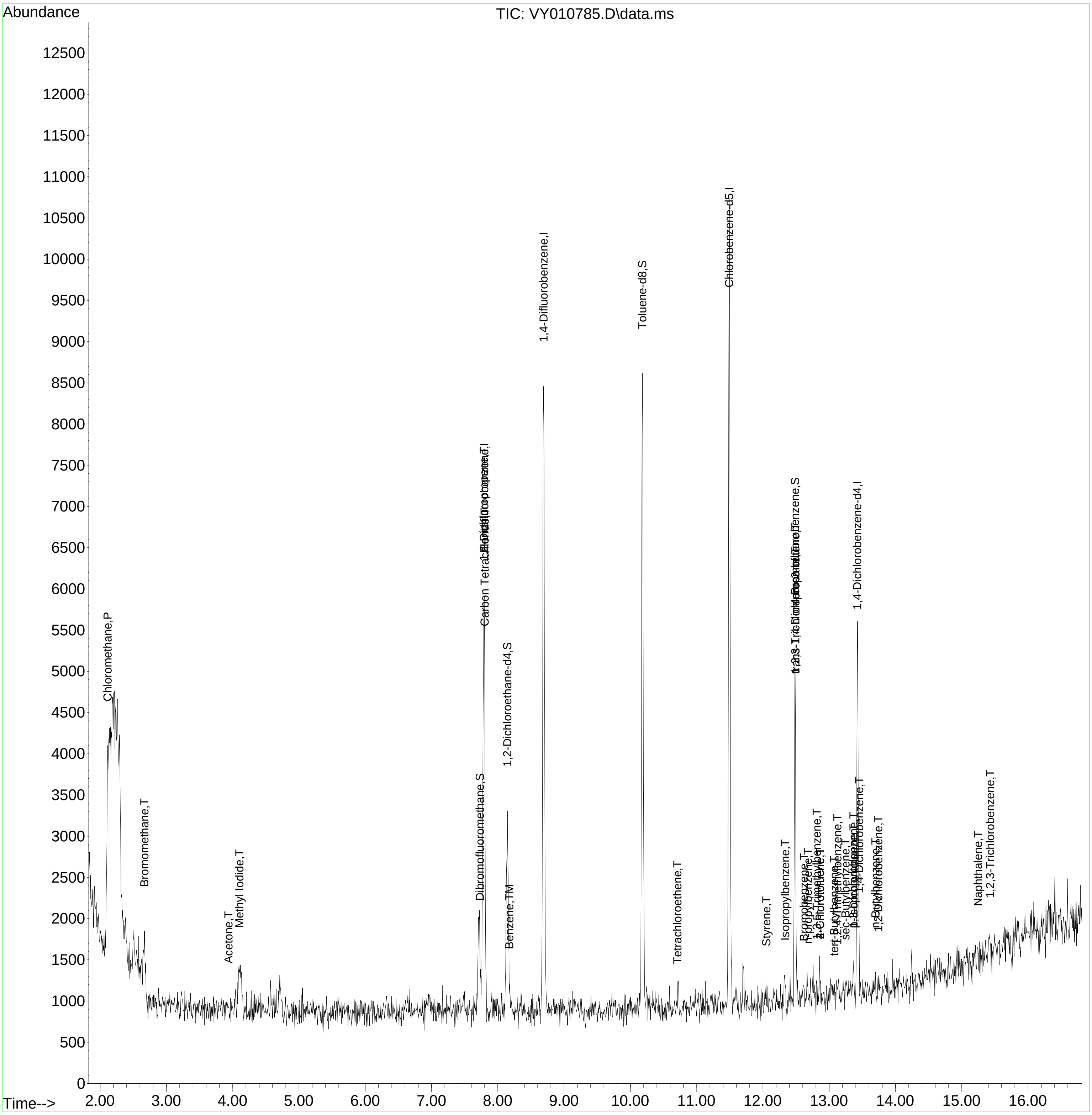
(#) = qualifier out of range (m) = manual integration (+) = signals summed

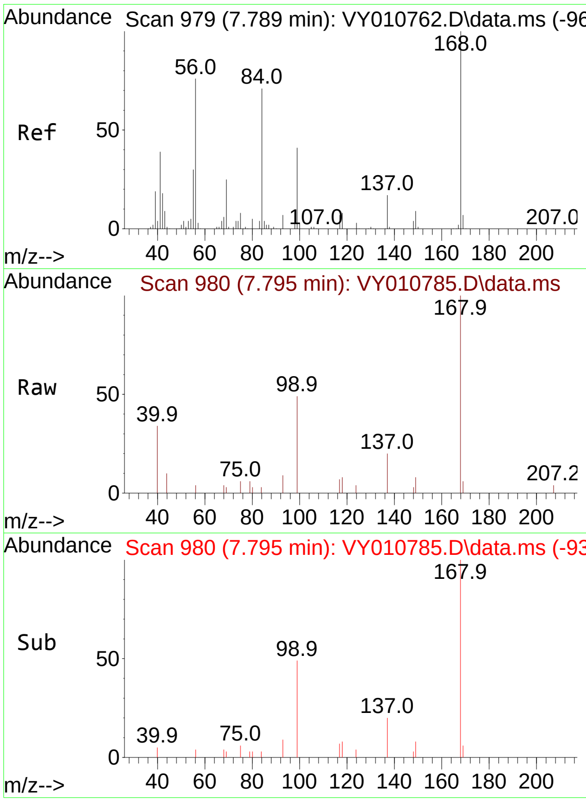
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100422\
Data File : VY010785.D
Acq On : 04 Oct 2022 11:23
Operator : KP/MD
Sample : N4936-01RE
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 05 07:25:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 04 07:26:22 2022
Response via : Initial Calibration



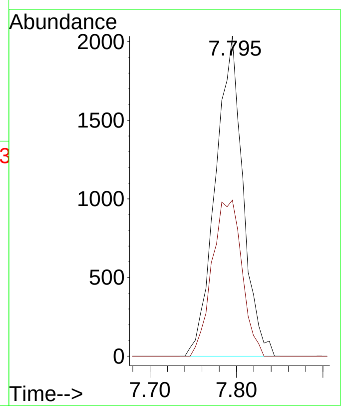


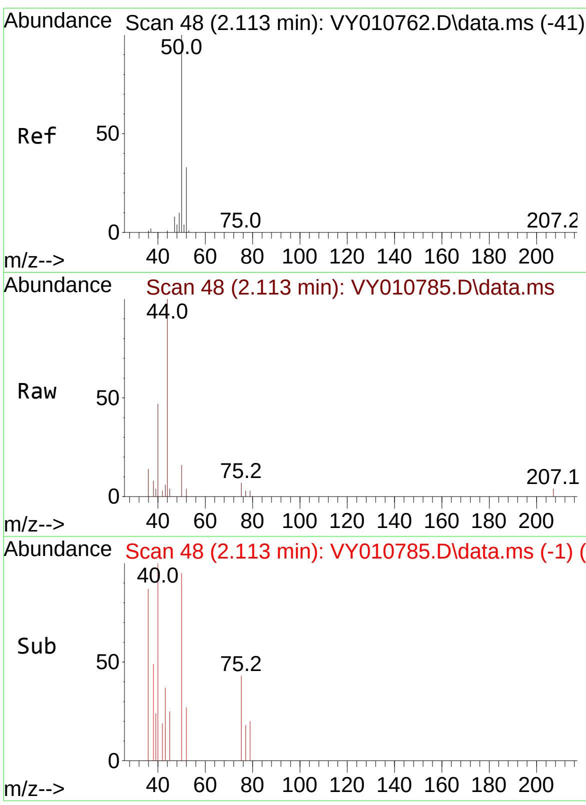
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 4492

Ion	Ratio	Lower	Upper
168	100		
99	48.7	46.9	70.3

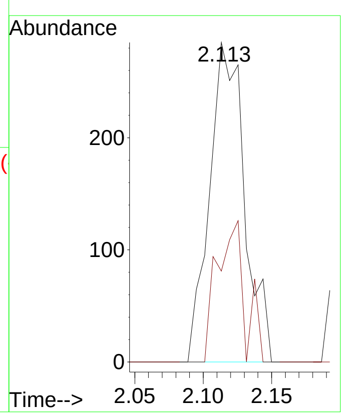


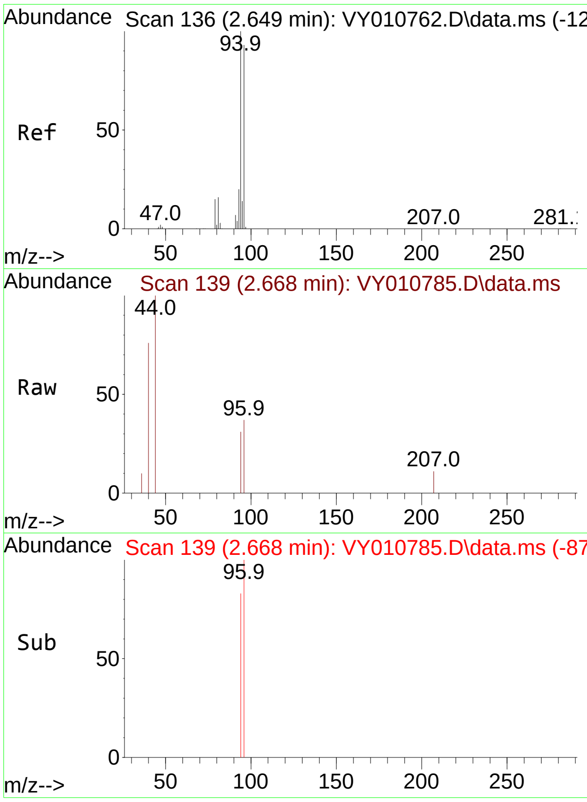


#3
Chloromethane
Concen: 9.795 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion: 50 Resp: 507

Ion	Ratio	Lower	Upper
50	100		
52	28.4	24.6	37.0



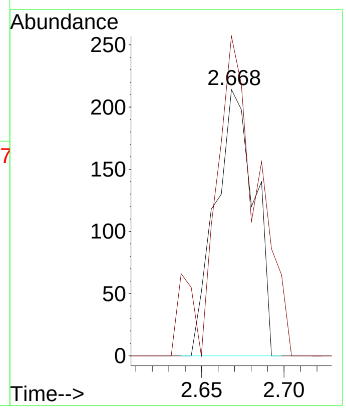


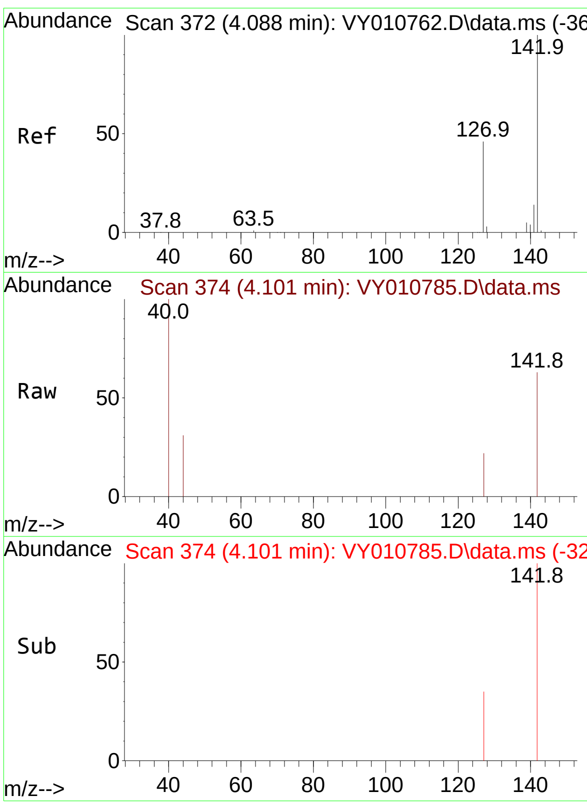
#5
Bromomethane
Concen: 8.027 ug/l
RT: 2.668 min Scan# 1
Delta R.T. 0.019 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 94 Resp: 355

Ion	Ratio	Lower	Upper
94	100		
96	89.7	73.5	110.3

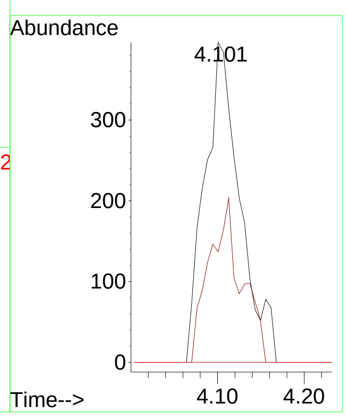


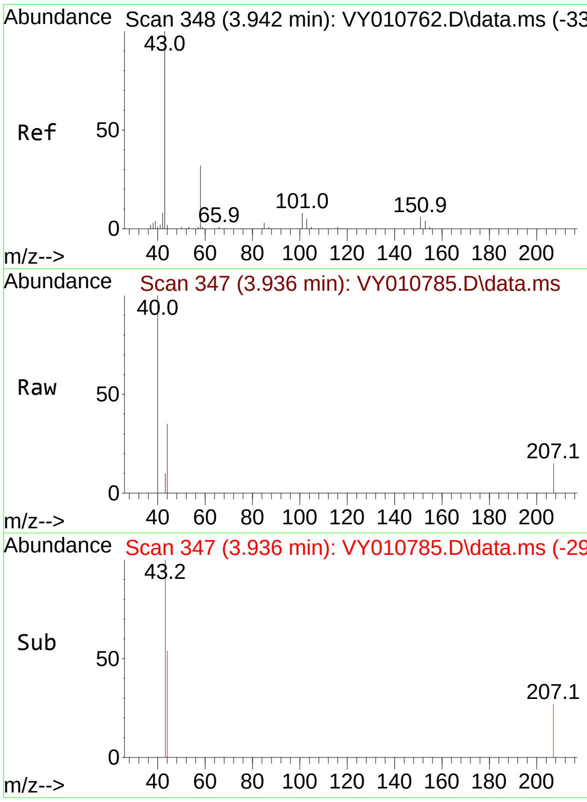


#10
Methyl Iodide
Concen: 19.253 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:142 Resp: 1120

Ion	Ratio	Lower	Upper
142	100		
127	47.1	41.5	62.3
141	0.0	11.9	17.9#



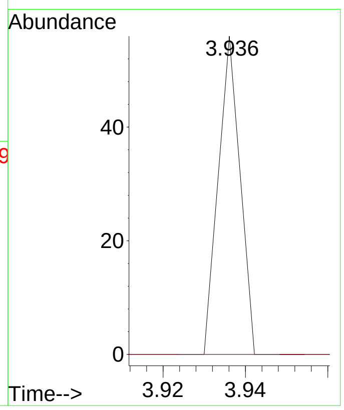


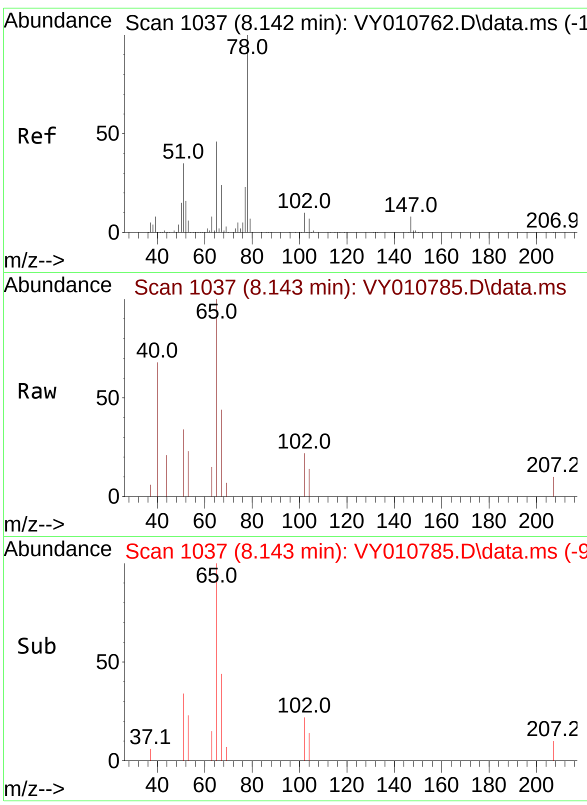
#16
Acetone
Concen: 1.730 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 20

Ion	Ratio	Lower	Upper
43	100		
58	0.0	22.0	33.0#

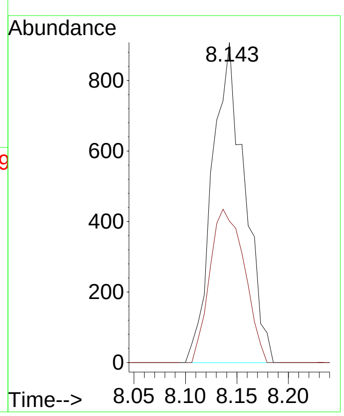


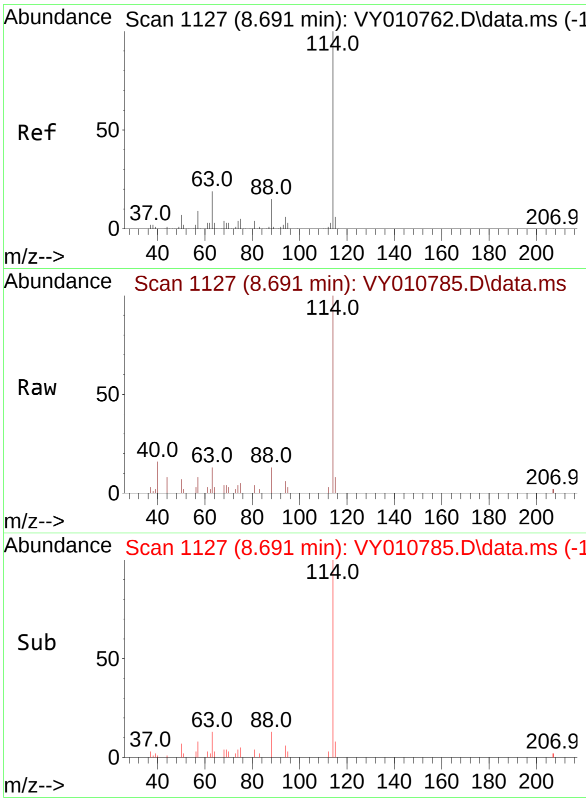


#33
1,2-Dichloroethane-d4
Concen: 43.464 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion: 65 Resp: 1979

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	99.4





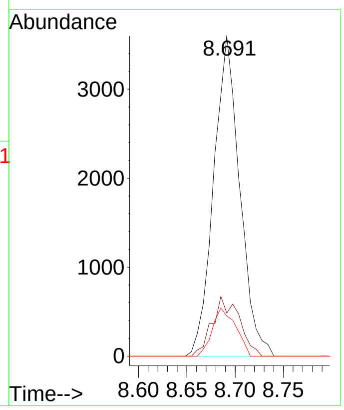
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1

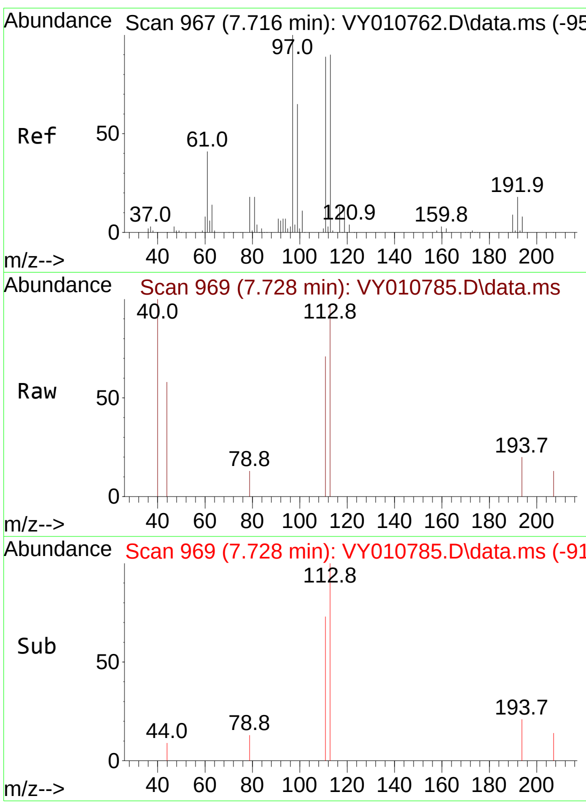
Instrument :
MSVOA_Y
ClientSampleId :

Delta R.T. 0.000 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:114 Resp: 6765

Ion	Ratio	Lower	Upper
114	100		
63	13.4	0.0	43.2
88	12.5	0.0	31.8

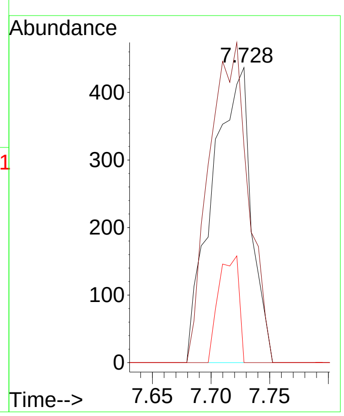


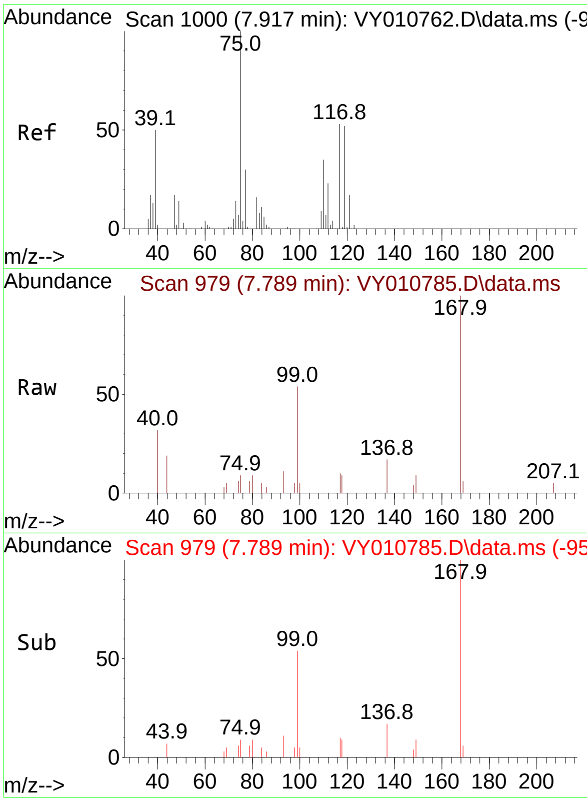


#35
Dibromofluoromethane
Concen: 22.447 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:113 Resp: 1008

Ion	Ratio	Lower	Upper
113	100		
111	109.5	82.6	124.0
192	19.0	17.6	26.4



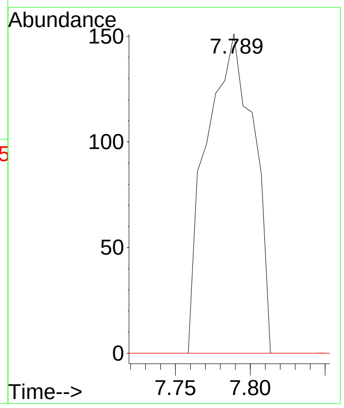


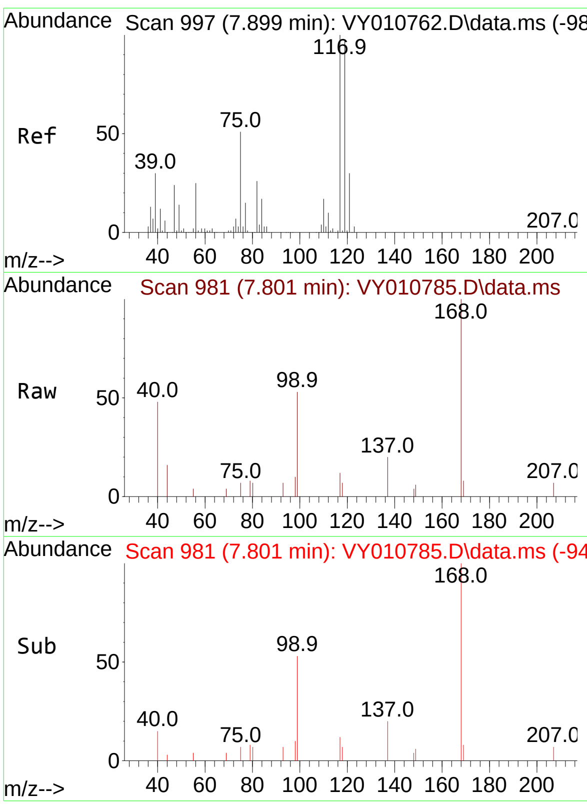
#36
1,1-Dichloropropene
Concen: 5.106 ug/l
RT: 7.789 min Scan# 9
Delta R.T. -0.128 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 331

Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.1	51.2#
77	0.0	24.4	36.6#

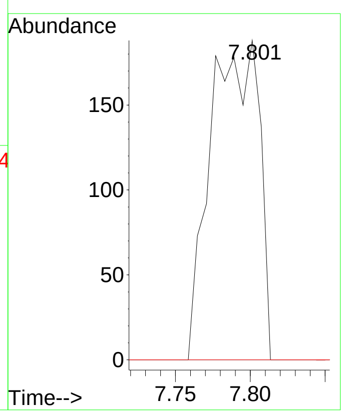


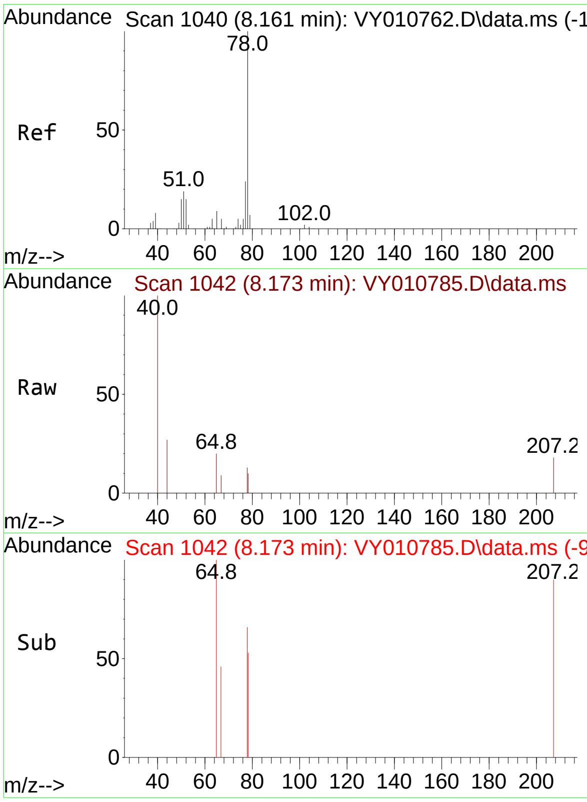


#38
Carbon Tetrachloride
Concen: 6.294 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.098 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:117 Resp: 425

Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.9	116.9#
121	0.0	24.8	37.2#



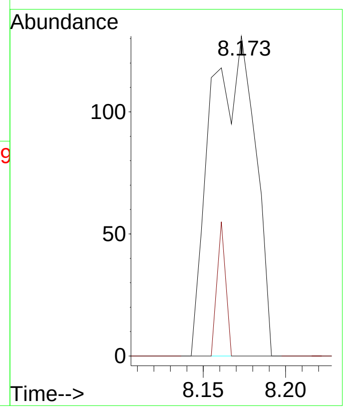


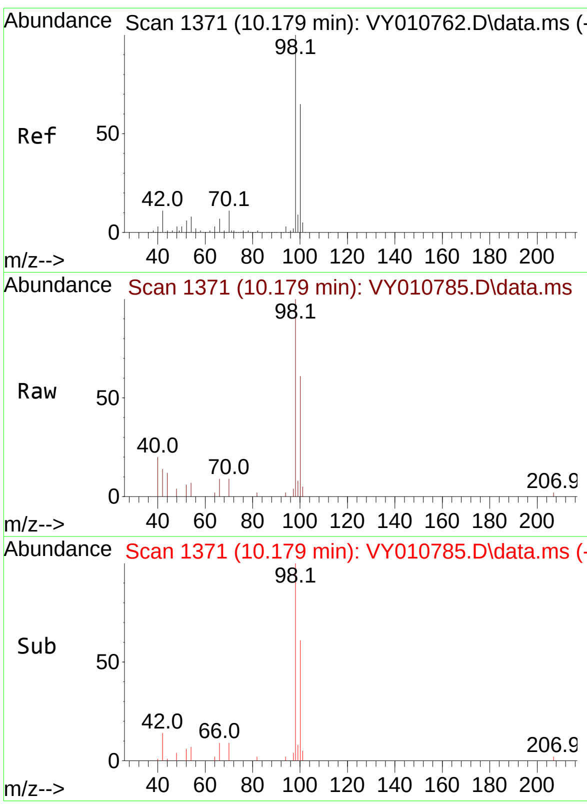
#40
Benzene
Concen: 1.323 ug/l
RT: 8.173 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 78 Resp: 247

Ion	Ratio	Lower	Upper
78	100		
77	0.0	20.4	30.6#

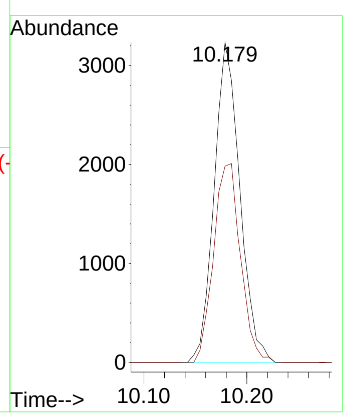


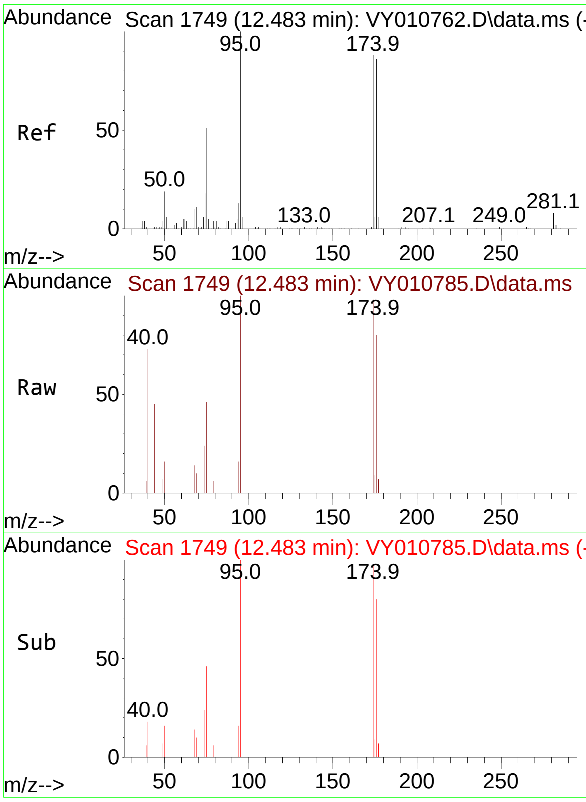


#50
Toluene-d8
Concen: 36.588 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion: 98 Resp: 5619

Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.2	75.2



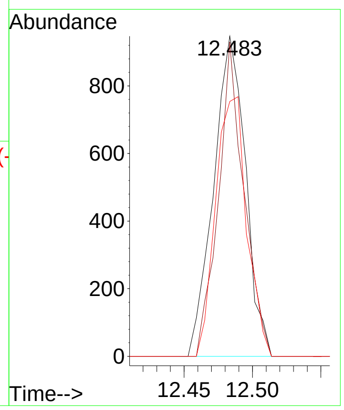


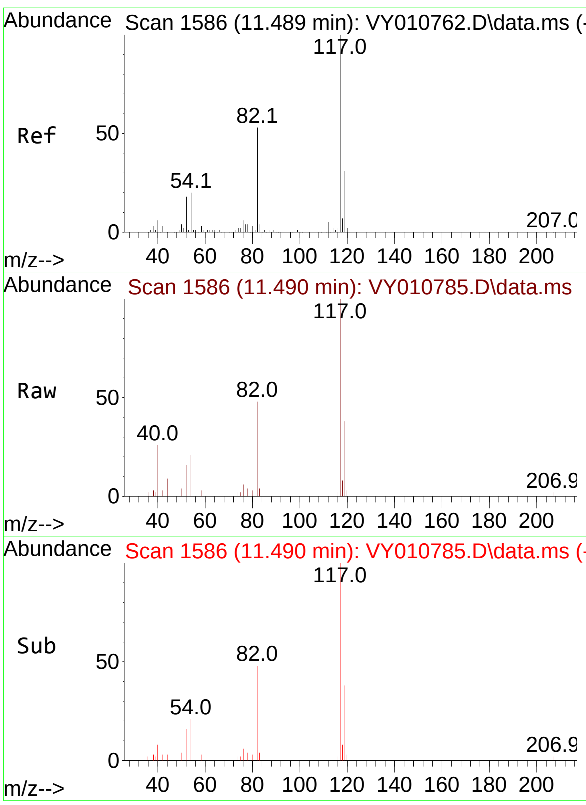
#62
4-Bromofluorobenzene
Concen: 23.680 ug/l
RT: 12.483 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 95 Resp: 1537

Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	177.0
176	79.1	0.0	175.8

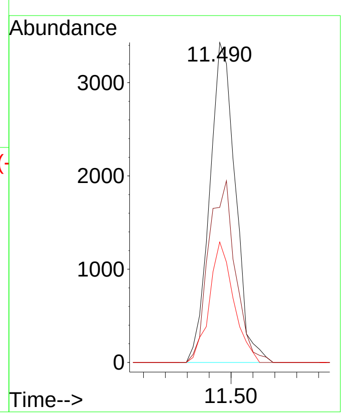


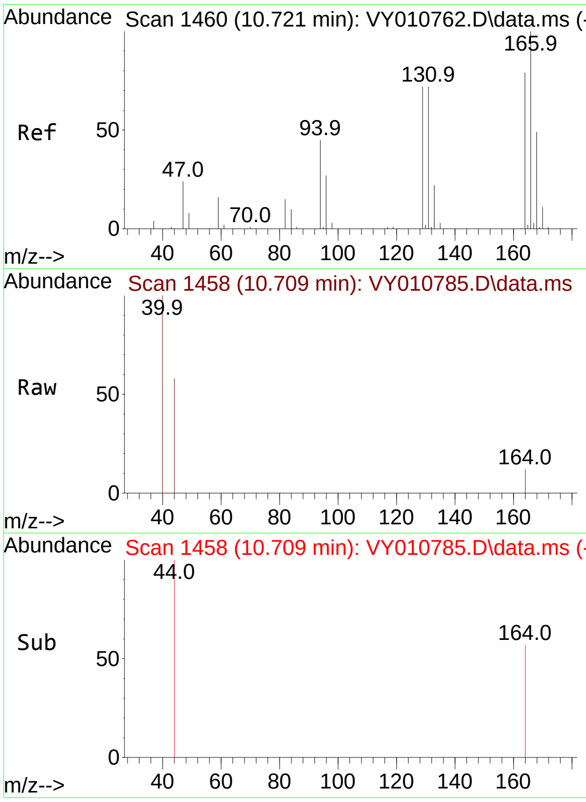


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:117 Resp: 5584

Ion	Ratio	Lower	Upper
117	100		
82	48.5	43.0	64.4
119	37.7	25.4	38.0





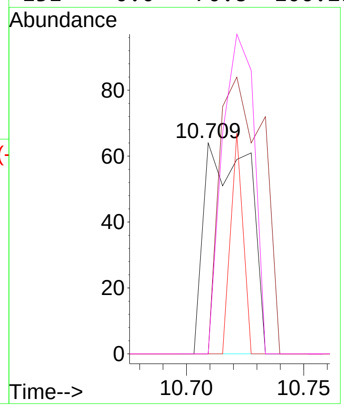
#64
Tetrachloroethene
Concen: 1.942 ug/l
RT: 10.709 min Scan# 14

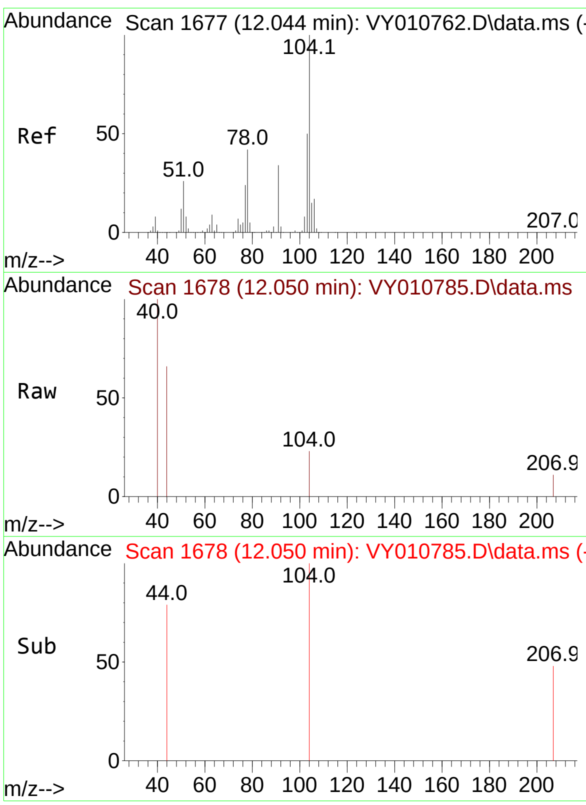
Instrument :
MSVOA_Y
ClientSampleId :

Delta R.T. -0.012 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:164 Resp: 86

Ion	Ratio	Lower	Upper
164	100		
166	0.0	100.4	150.6#
129	0.0	71.4	107.0#
131	0.0	70.8	106.2#

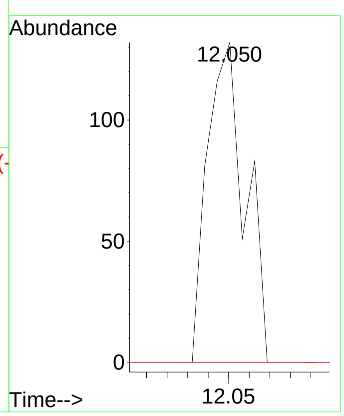


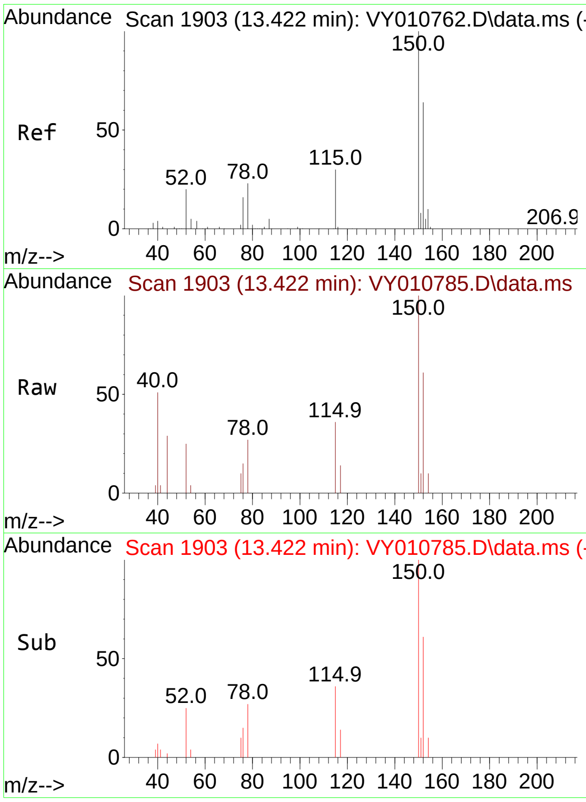


#70
Styrene
Concen: 1.317 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:104 Resp: 169

Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.4	63.6#
103	0.0	44.4	66.6#



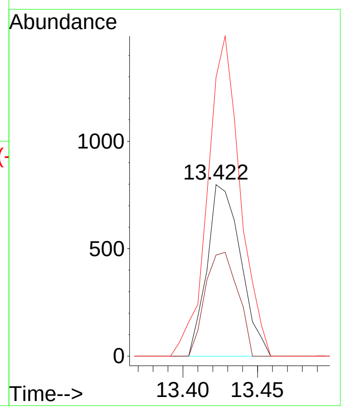


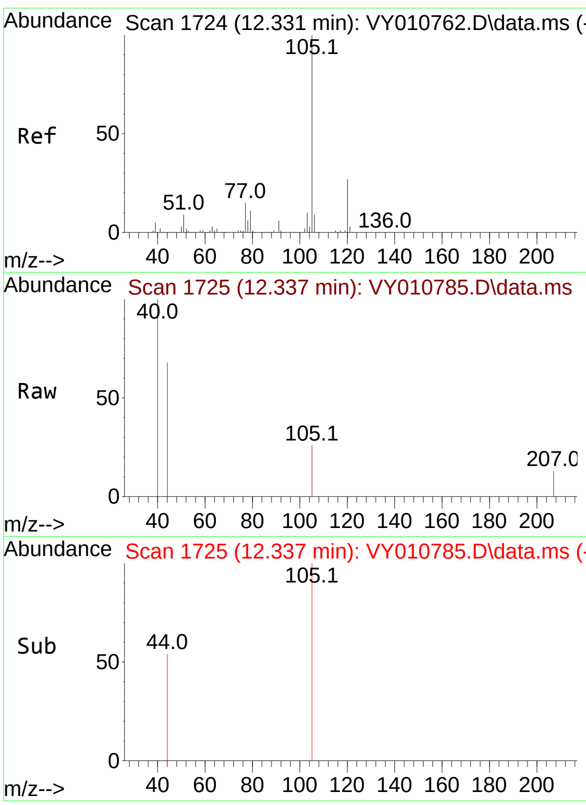
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VY010785.D
Acq: 04 Oct 2022   11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:152 Resp: 1250

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.2	84.7
150	181.0	0.0	347.6

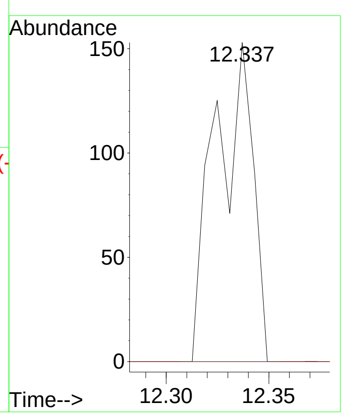




#73
Isopropylbenzene
Concen: 2.122 ug/l
RT: 12.337 min   Scan# 1725
Delta R.T.   0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022   11:23

Tgt Ion:105 Resp: 195

Ion	Ratio	Lower	Upper
105	100		
120	0.0	13.4	40.2#

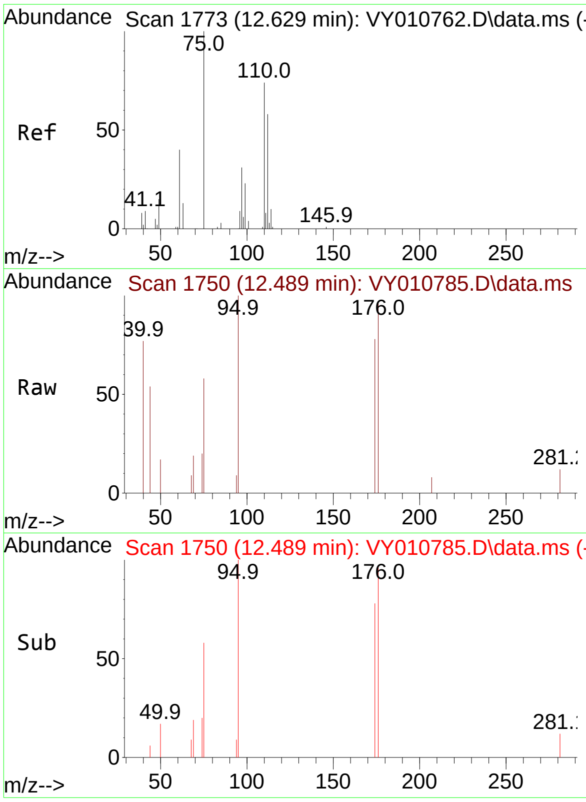


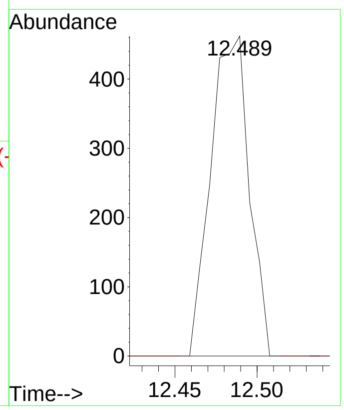
Instrument :
MSVOA_Y
ClientSampleId :

#76
1,2,3-Trichloropropane
Concen: 59.564 ug/l
RT: 12.489 min Scan# 1
Delta R.T. -0.140 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion: 75 Resp: 754

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

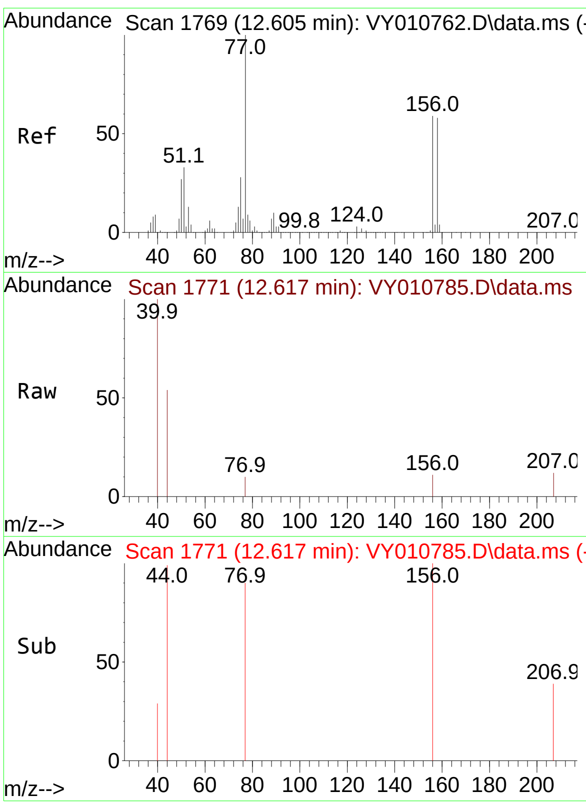


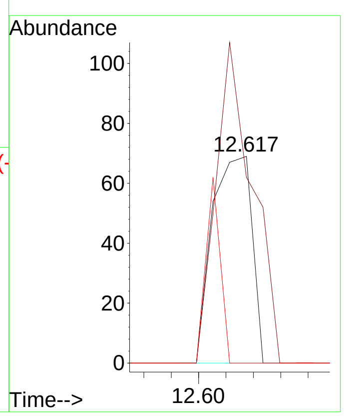


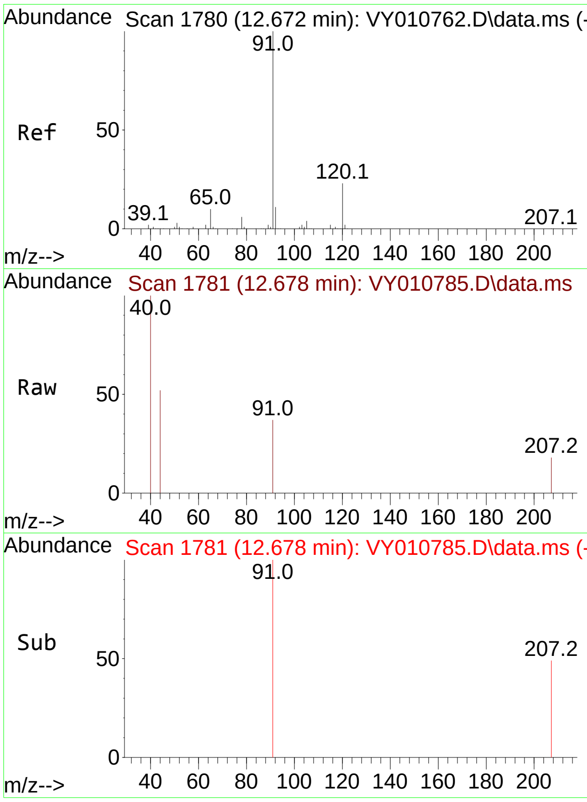
#77
Bromobenzene
Concen: 3.321 ug/l
RT: 12.617 min Scan# 1771
Delta R.T. 0.012 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:156 Resp: 70

Ion	Ratio	Lower	Upper
156	100		
77	141.4	95.5	286.4
158	32.9	48.0	144.0#





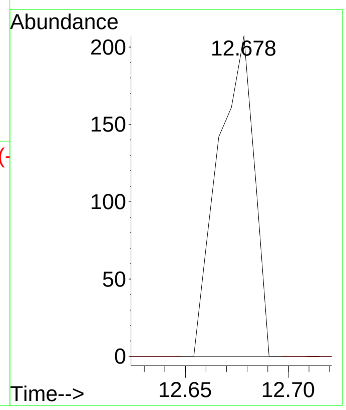


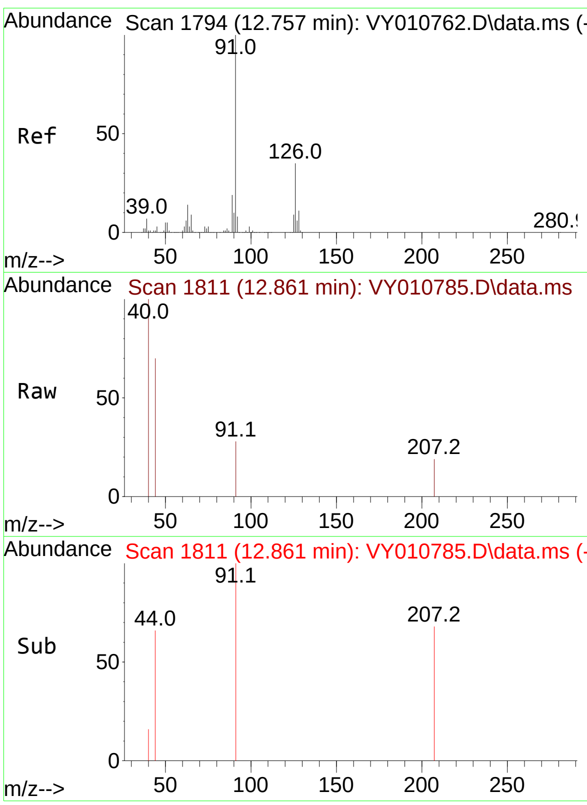
#78
n-propylbenzene
Concen: 2.252 ug/l
RT: 12.678 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 91 Resp: 252

Ion	Ratio	Lower	Upper
91	100		
120	0.0	11.3	33.9#

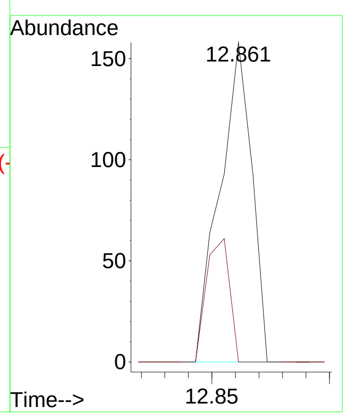


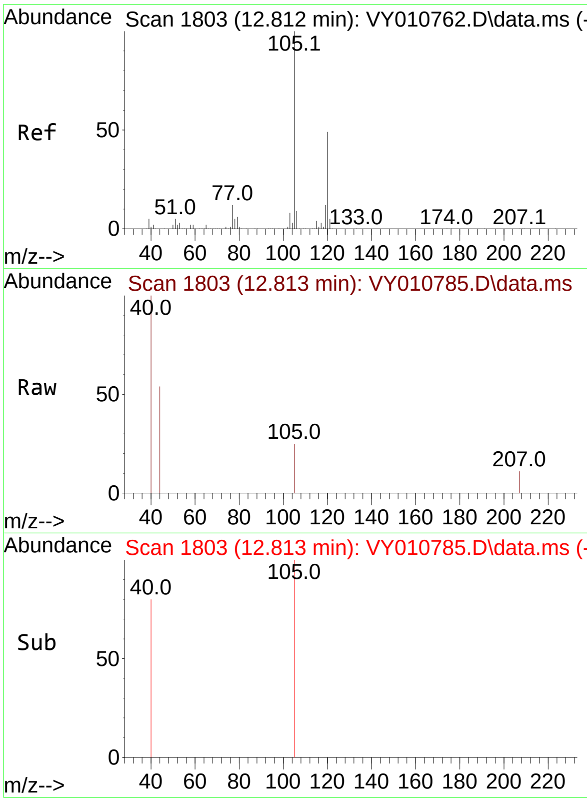


#79
2-Chlorotoluene
Concen: 2.380 ug/l
RT: 12.861 min Scan# 1811
Delta R.T. 0.104 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion: 91 Resp: 149

Ion	Ratio	Lower	Upper
91	100		
126	28.2	16.9	50.6



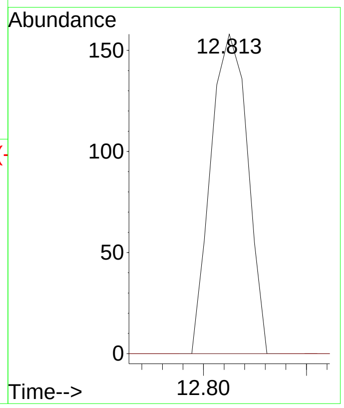


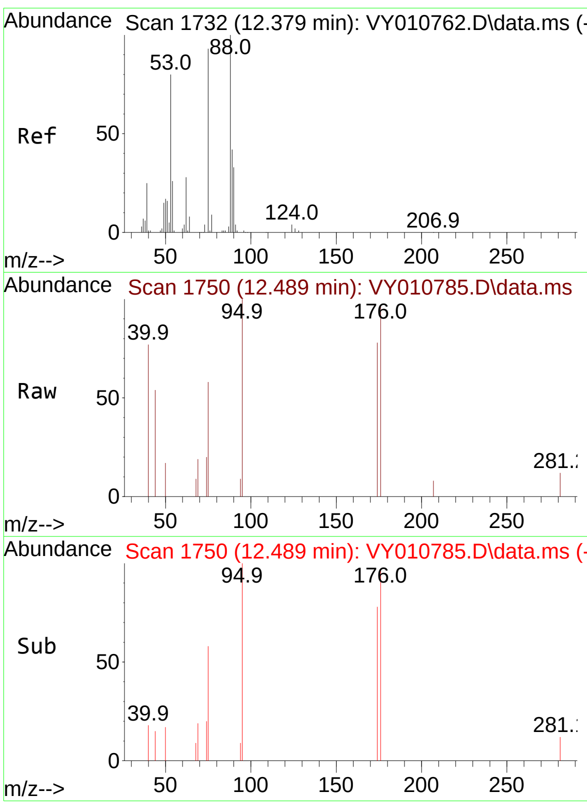
#80
1,3,5-Trimethylbenzene
Concen: 2.535 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:105 Resp: 197

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.4	73.4#

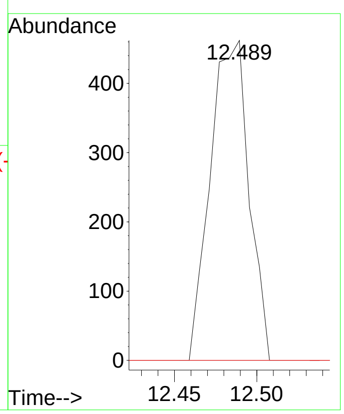


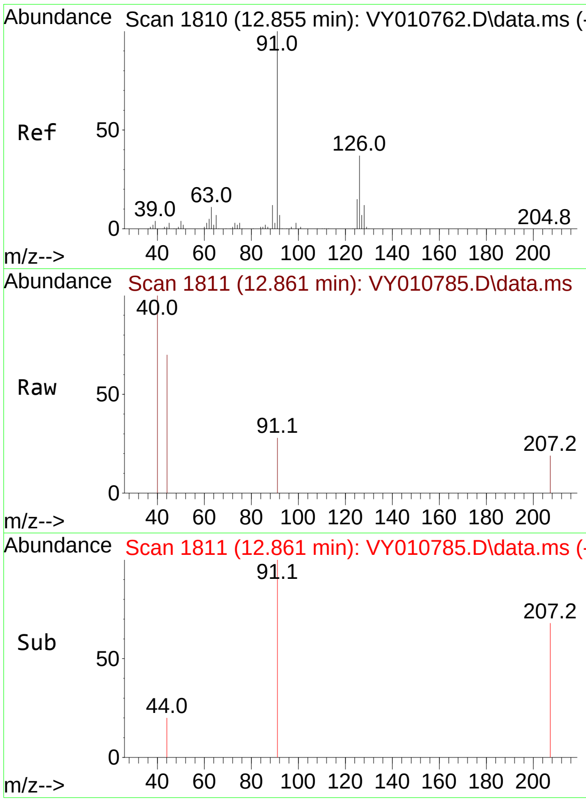


#81
trans-1,4-Dichloro-2-butene
Concen: 124.424 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion: 75 Resp: 754

Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#





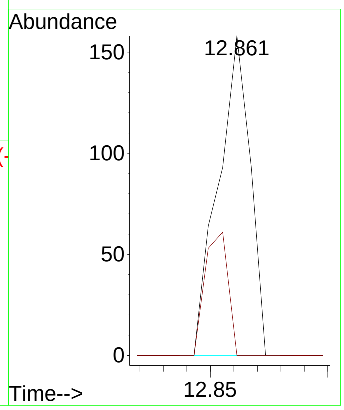
#82
4-Chlorotoluene
Concen: 2.276 ug/l
RT: 12.861 min Scan# 1

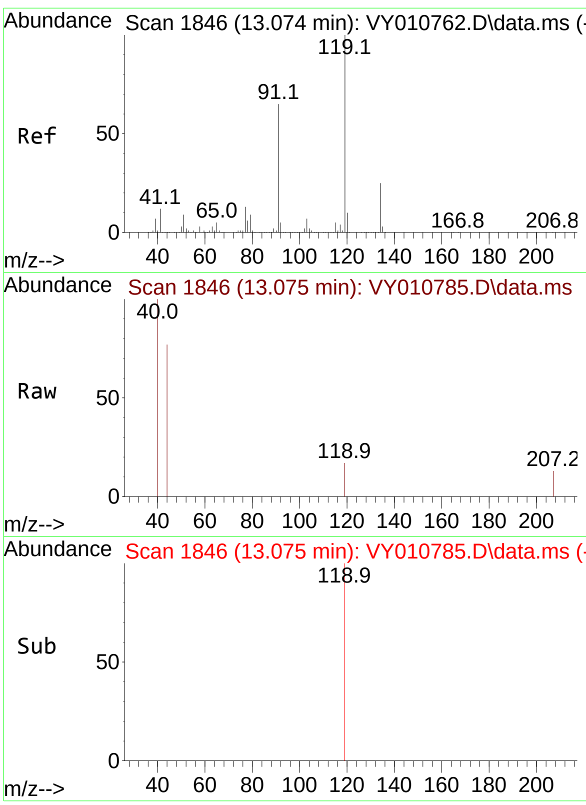
Instrument :
MSVOA_Y
ClientSampleId :

Delta R.T. 0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion: 91 Resp: 149

Ion	Ratio	Lower	Upper
91	100		
126	28.2	17.0	51.0

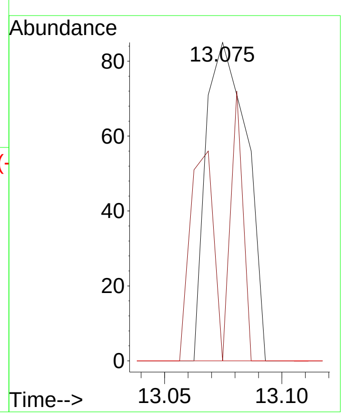


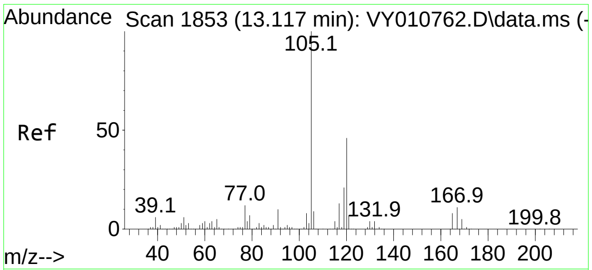


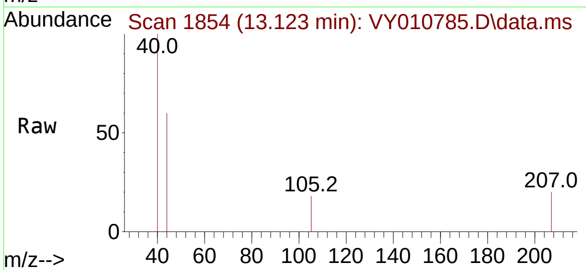
#83
tert-Butylbenzene
Concen: 1.554 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.001 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

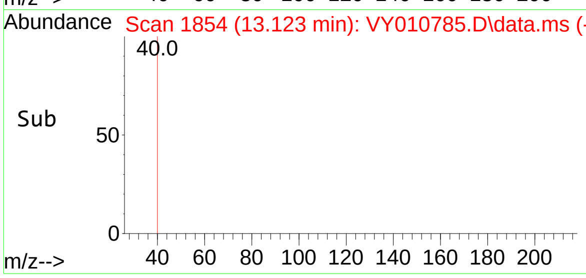
Tgt Ion:119 Resp: 103

Ion	Ratio	Lower	Upper
119	100		
91	37.9	34.8	104.4
134	0.0	13.3	39.9#







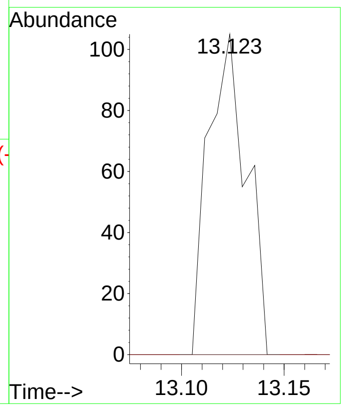


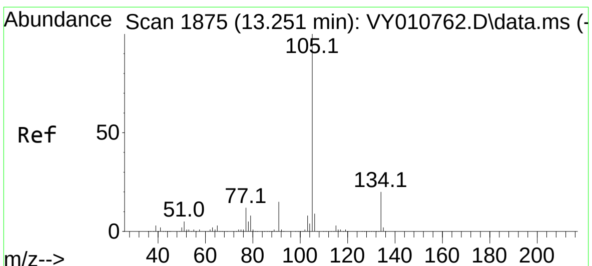
#84
1,2,4-Trimethylbenzene
Concen: 1.780 ug/l
RT: 13.123 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

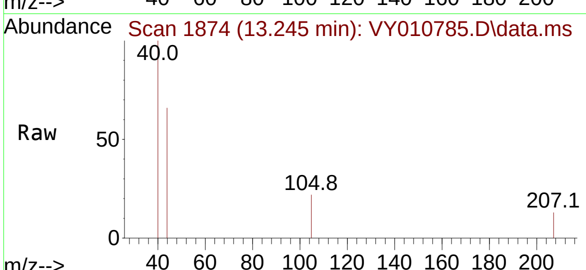
Instrument :
MSVOA_Y
ClientSampleId :

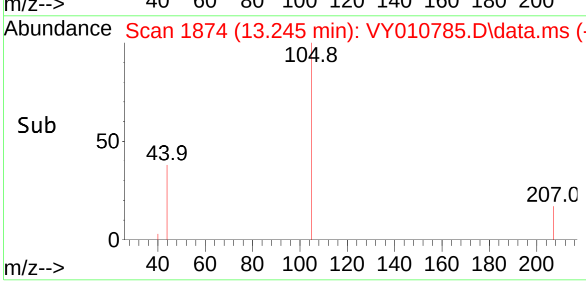
Tgt Ion:105 Resp: 136

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.3	66.9#





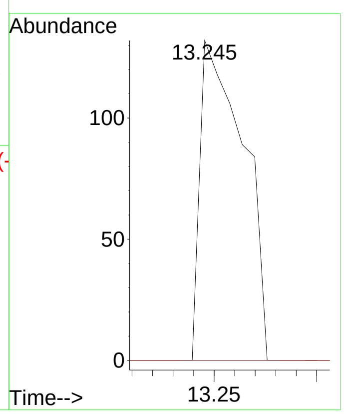


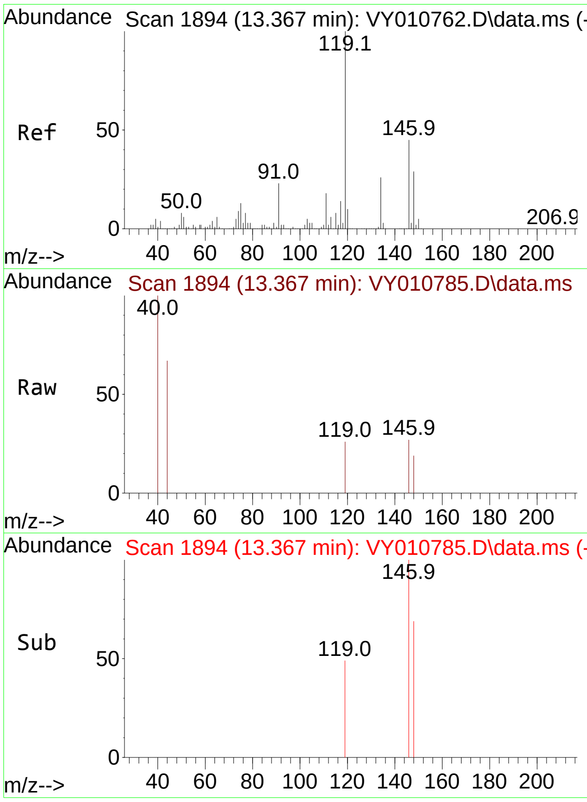


#85
sec-Butylbenzene
Concen: 1.935 ug/l
RT: 13.245 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion:105 Resp: 193

Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.2	30.4#

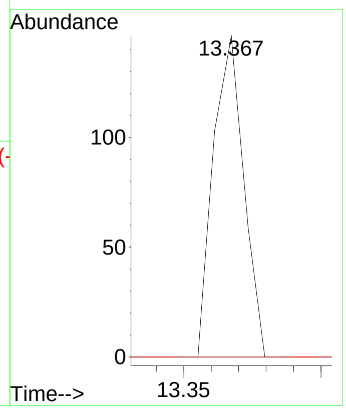


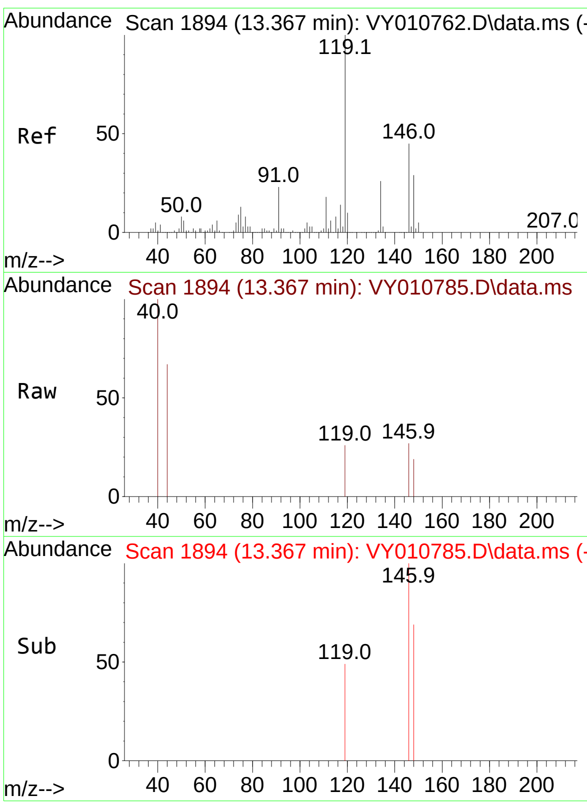


#86
p-Isopropyltoluene
Concen: 1.350 ug/l
RT: 13.367 min   Scan# 1
Delta R.T.   0.000 min
Lab File: VY010785.D
Acq: 04 Oct 2022   11:23

Instrument :
MSVOA_Y
ClientSampleId :

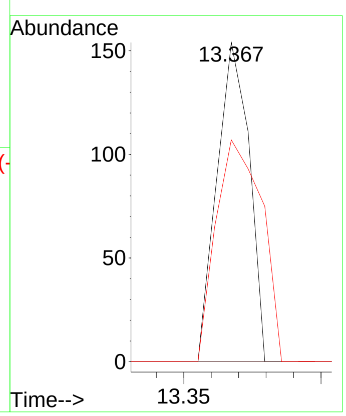
Tgt Ion:119	Resp:		113
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.2	39.5#
91	0.0	12.4	37.2#

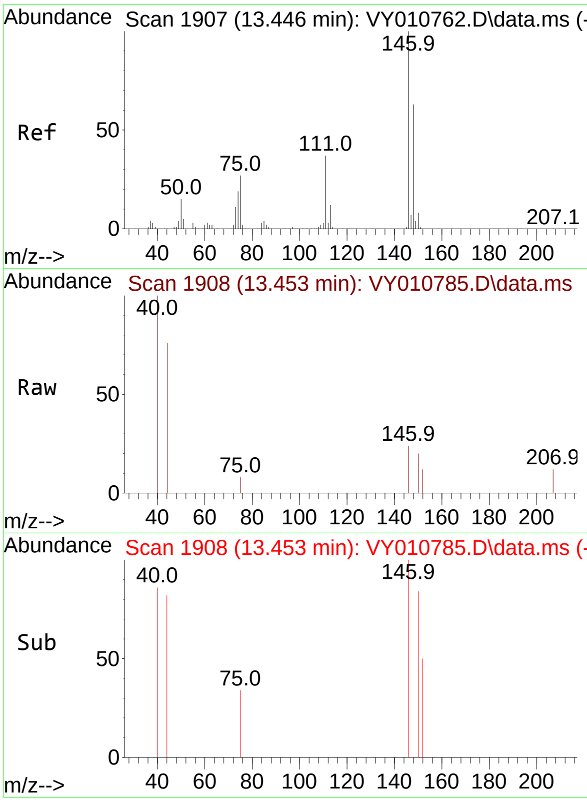




#87
1,3-Dichlorobenzene
Concen: 2.945 ug/l
RT: 13.367 min   Scan# 1894
Delta R.T.   0.000 min
Lab File: VY010785.D
Acq: 04 Oct 2022   11:23

Tgt Ion:146	Resp:		126
Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.5	58.5#
148	98.4	31.6	95.0#



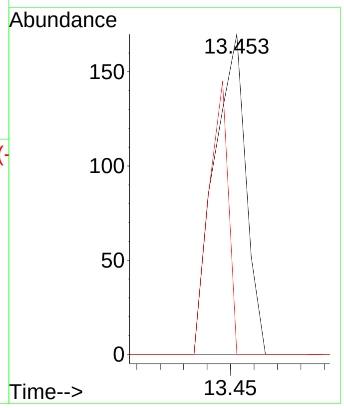


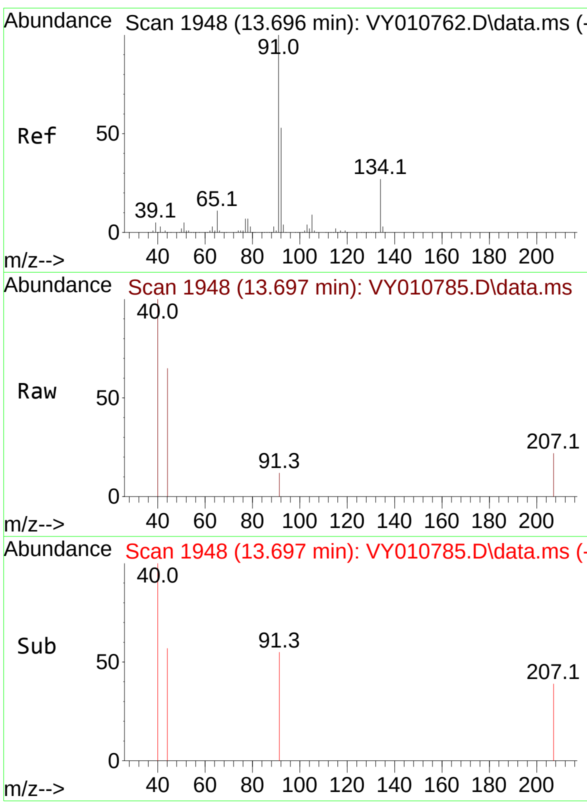
#88
1,4-Dichlorobenzene
Concen: 3.776 ug/l
RT: 13.453 min Scan# 19
Delta R.T. 0.007 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:146 Resp: 160

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.3	57.8#
148	52.5	32.6	97.8

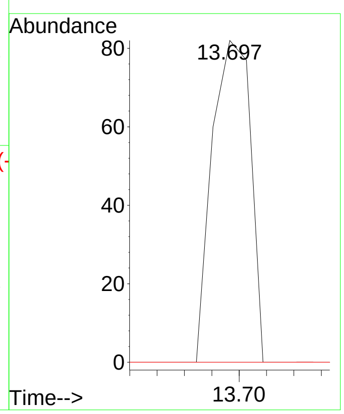


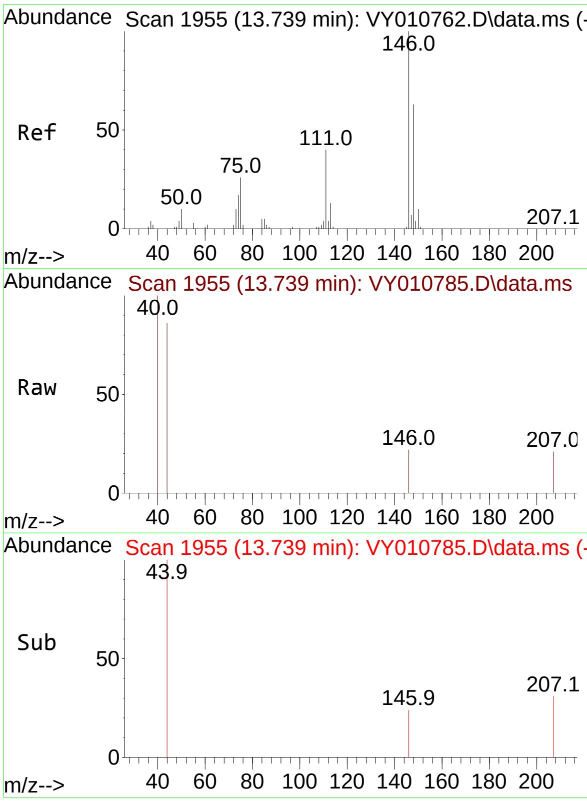


#89
n-Butylbenzene
Concen: 1.039 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Tgt Ion: 91 Resp: 80

Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.3	78.9#
134	0.0	13.0	38.9#



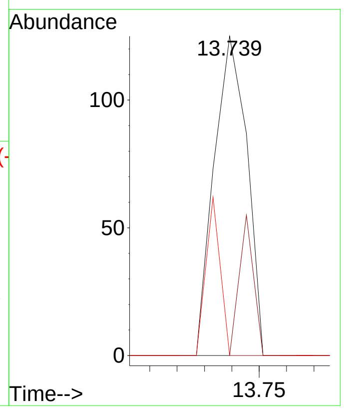


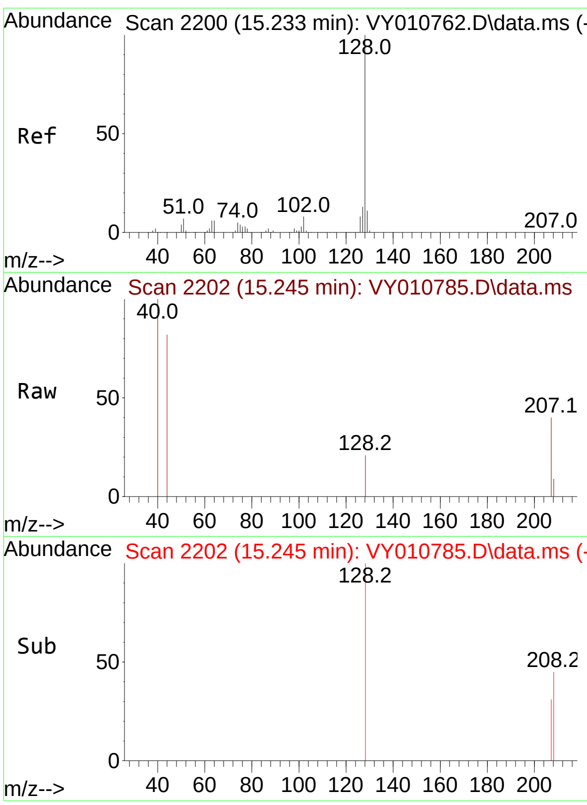
#91
1,2-Dichlorobenzene
Concen: 2.789 ug/l
RT: 13.739 min Scan# 19
Delta R.T. 0.000 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:146 Resp: 104

Ion	Ratio	Lower	Upper
146	100		
111	19.2	20.3	60.9#
148	22.1	32.3	96.9#

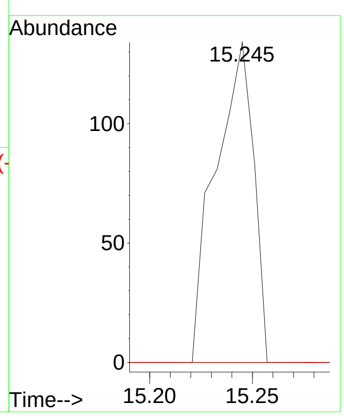


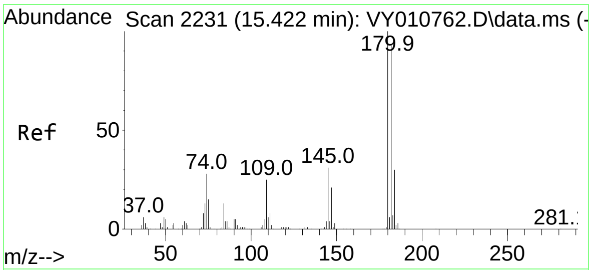


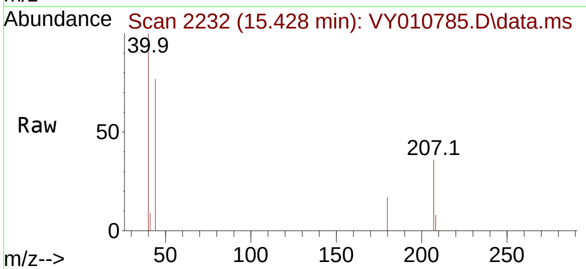
#95
Naphthalene
Concen: 4.148 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.012 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

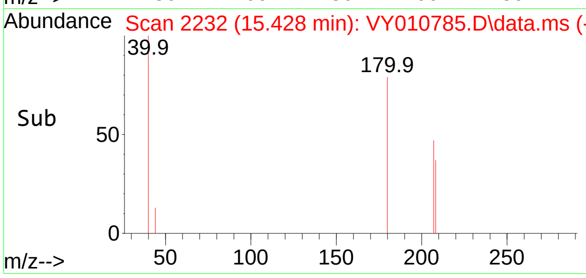
Tgt Ion:128 Resp: 173

Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#









#96
1,2,3-Trichlorobenzene
Concen: 6.540 ug/l
RT: 15.428 min Scan# 2
Delta R.T. 0.006 min
Lab File: VY010785.D
Acq: 04 Oct 2022 11:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:180 Resp: 122

Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.9#
145	0.0	15.3	45.9#