

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009735.D
 Acq On : 27 Jul 2022 19:23
 Operator : KP/MD
 Sample : N3893-16
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RVE-16

Quant Time: Jul 28 02:47:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

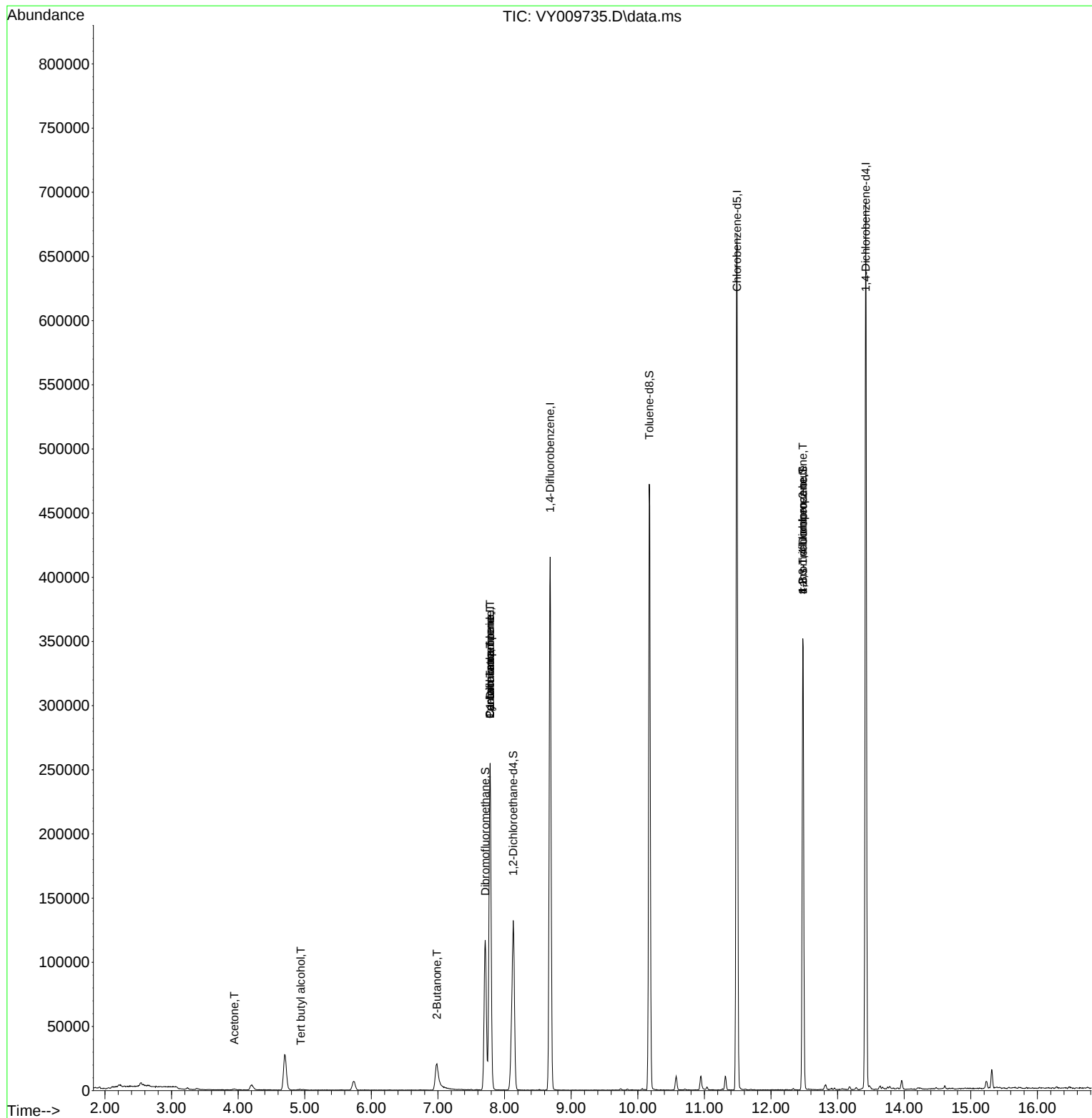
Internal Standards						
1) Pentafluorobenzene	7.783	168	212157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	376020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	376087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	178670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	86041	62.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.380%
35) Dibromofluoromethane	7.710	113	83850	41.001	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.000%
50) Toluene-d8	10.173	98	312885	52.768	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	105.540%
62) 4-Bromofluorobenzene	12.477	95	102102	37.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	75.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	710	2.596	ug/l #	77
16) Acetone	3.942	43	1504	2.965	ug/l	93
18) Methyl Acetate	4.460	43	233	Below Cal	#	56
20) Methylene Chloride	4.704	84	21571	Below Cal	#	83
25) 2-Butanone	6.984	43	1359	1.816	ug/l #	78
31) Cyclohexane	7.783	56	3617	1.072	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13728	4.125	ug/l #	51
38) Carbon Tetrachloride	7.783	117	18592	5.214	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	51895	31.270	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51895	62.330	ug/l #	7

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

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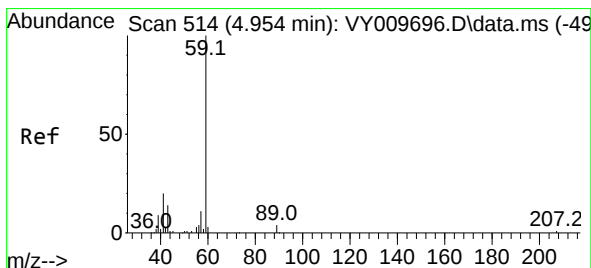
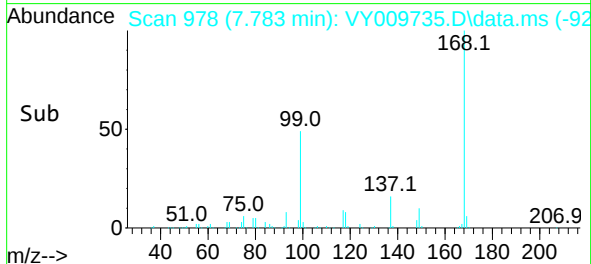
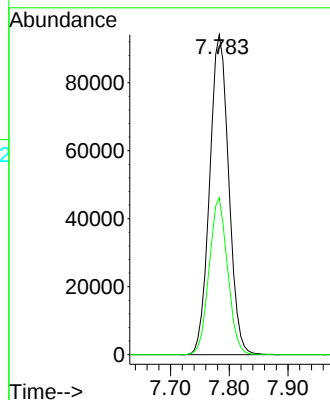
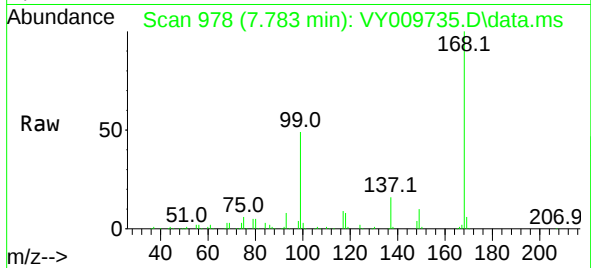




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

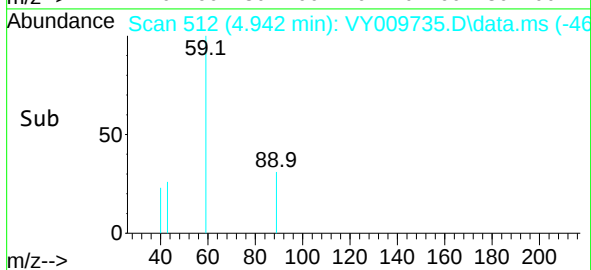
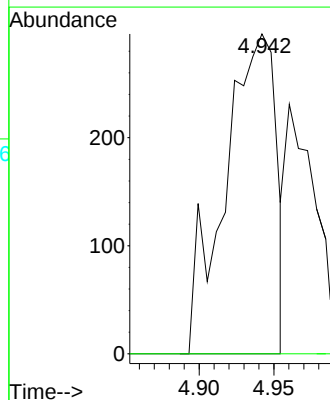
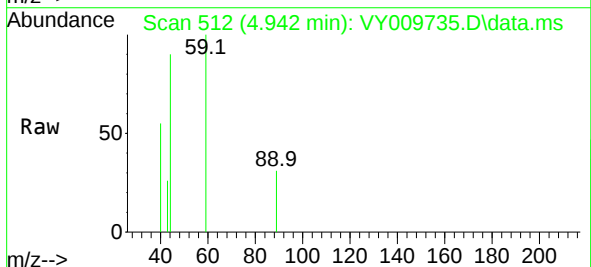
Instrument :
MSVOA_Y
ClientSampleId :
RVE-16

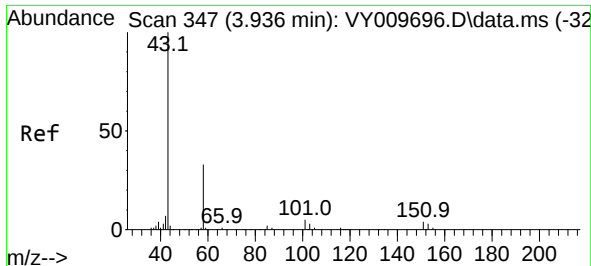
Tgt Ion:168 Resp: 212157
Ion Ratio Lower Upper
168 100
99 49.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 2.596 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

Tgt Ion: 59 Resp: 710
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

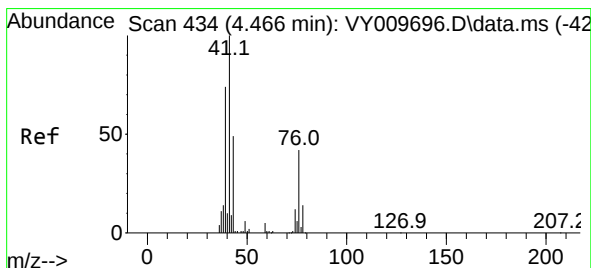
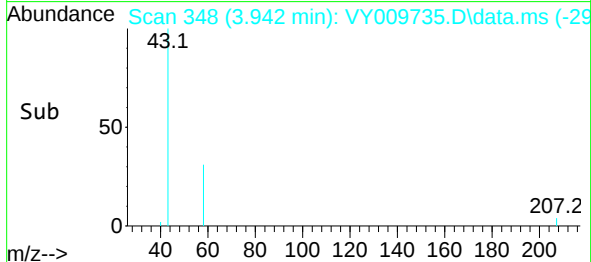
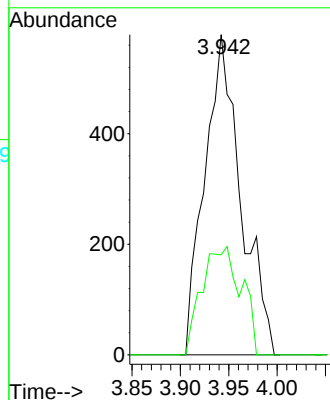
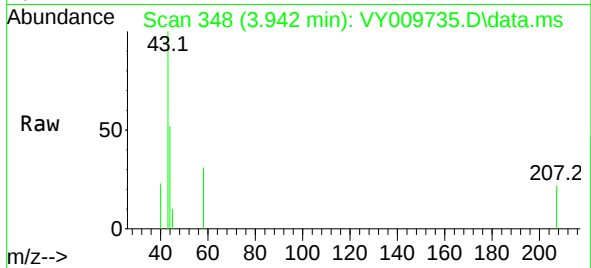




#16
Acetone
Concen: 2.965 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

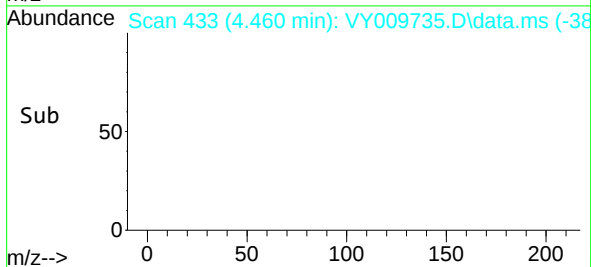
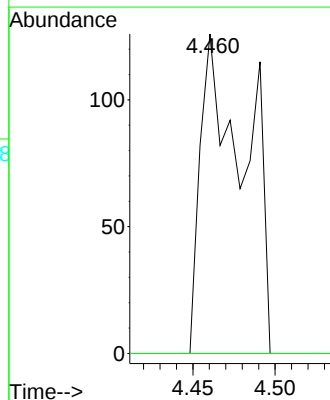
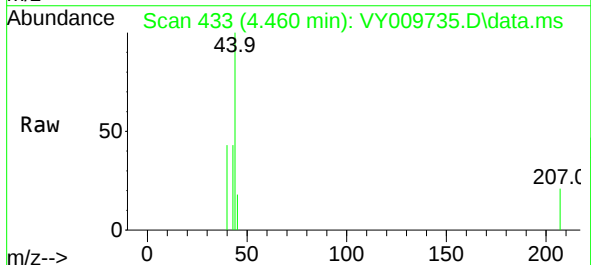
Instrument :
MSVOA_Y
ClientSampleId :
RVE-16

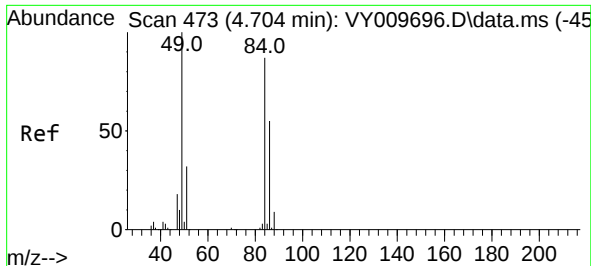
Tgt Ion: 43 Resp: 1504
Ion Ratio Lower Upper
43 100
58 31.3 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.006 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

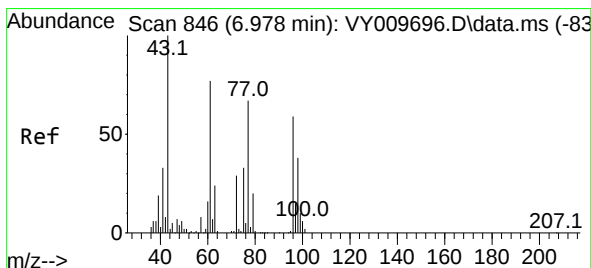
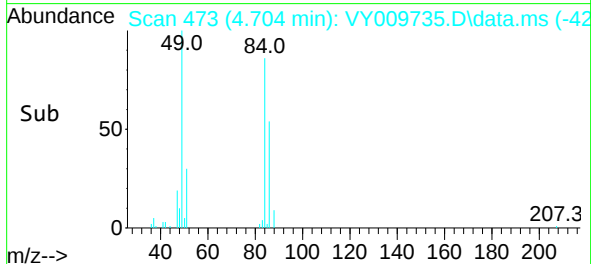
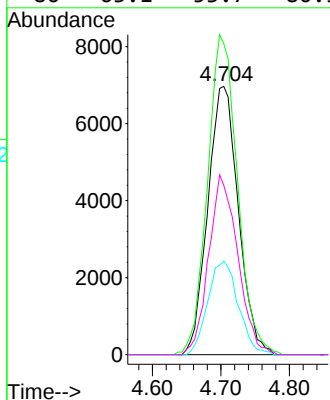
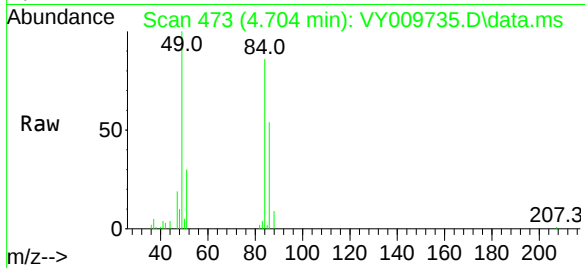




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

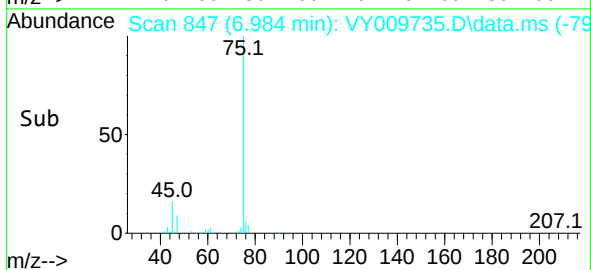
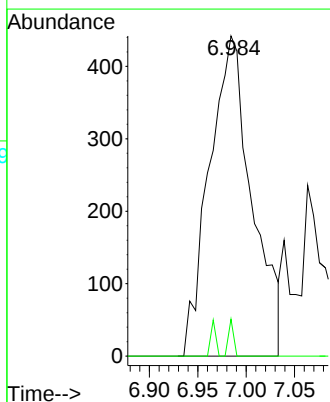
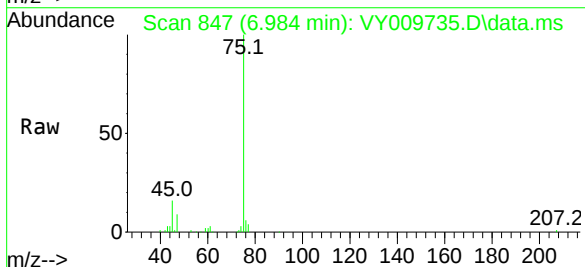
Instrument :
MSVOA_Y
ClientSampleId :
RVE-16

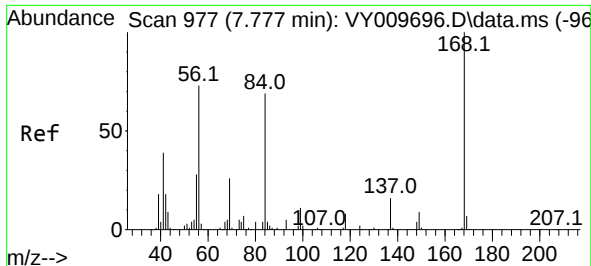
Tgt Ion: 84 Resp: 21571
Ion Ratio Lower Upper
84 100
49 115.0 114.4 171.6
51 34.8 35.3 52.9#
86 63.1 53.7 80.5



#25
2-Butanone
Concen: 1.816 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
72 11.5 17.7 26.5#

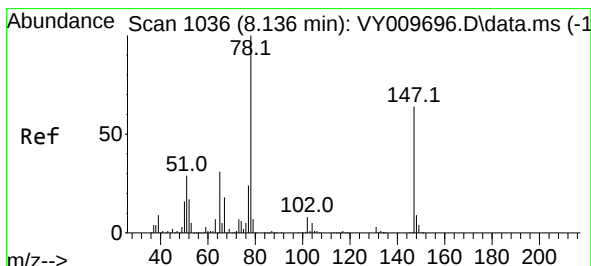
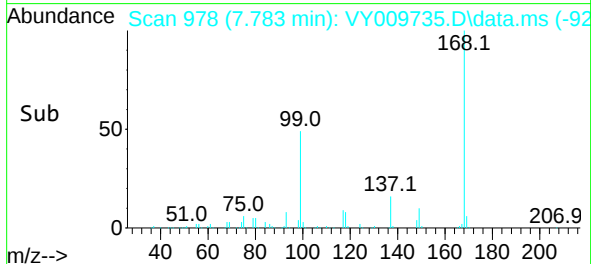
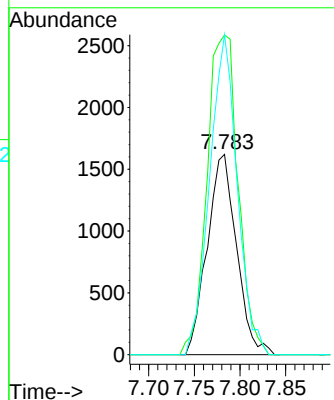
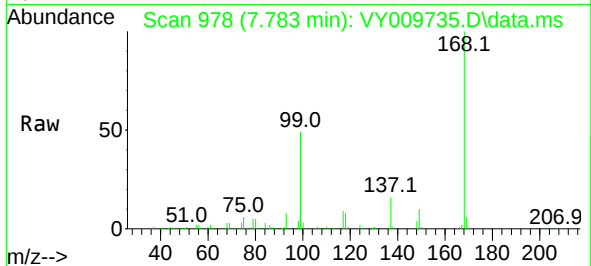




#31
Cyclohexane
Concen: 1.072 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

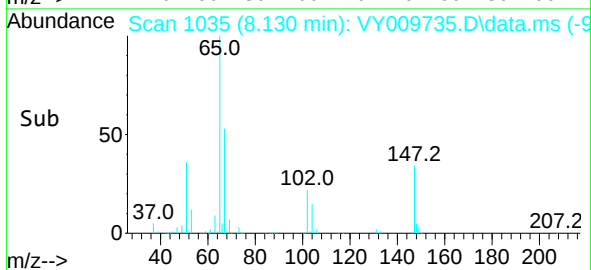
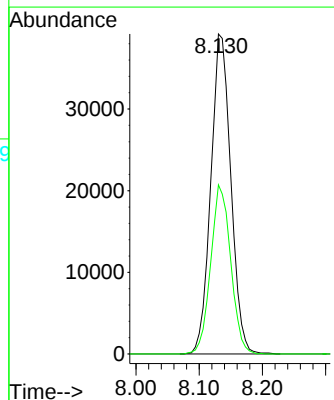
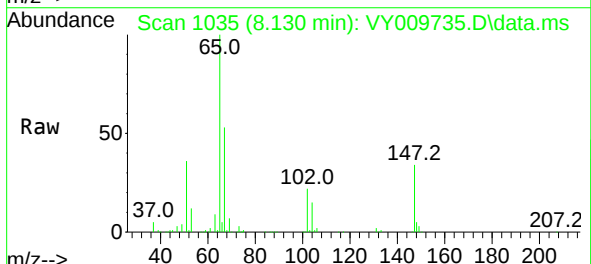
Instrument :
MSVOA_Y
ClientSampleId :
RVE-16

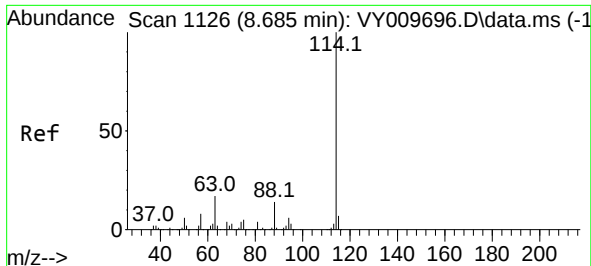
Tgt Ion: 56 Resp: 3617
Ion Ratio Lower Upper
56 100
69 159.5 26.7 40.1#
84 159.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 62.189 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

Tgt Ion: 65 Resp: 86041
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4

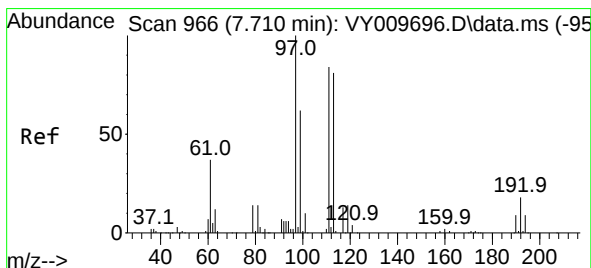
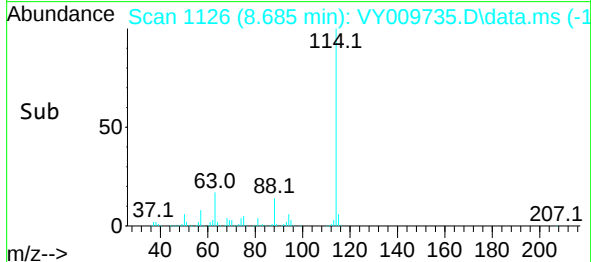
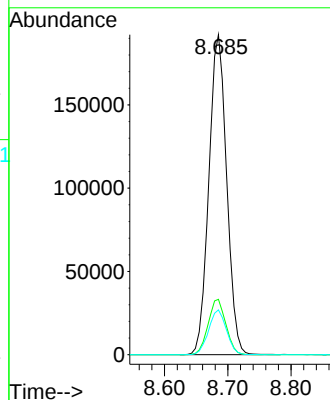
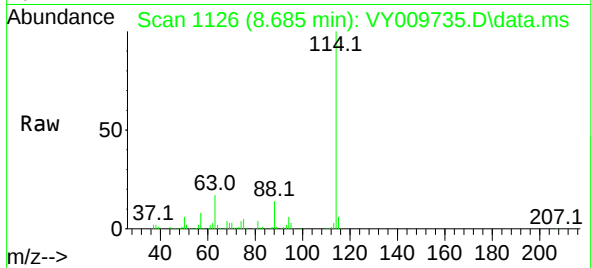




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

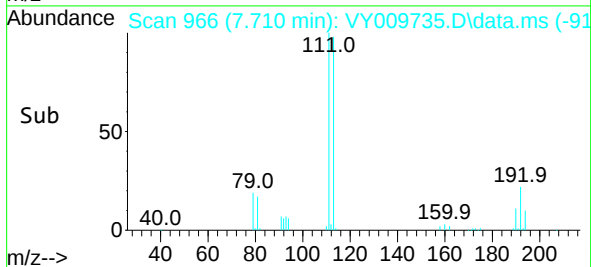
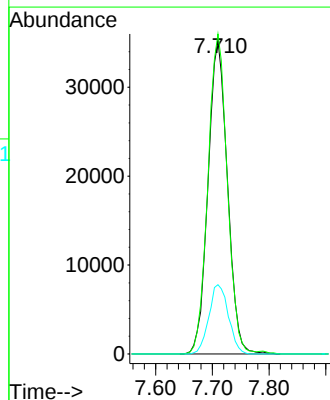
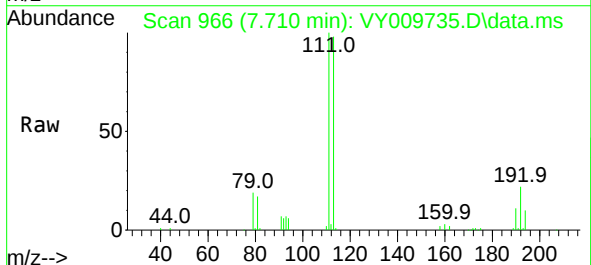
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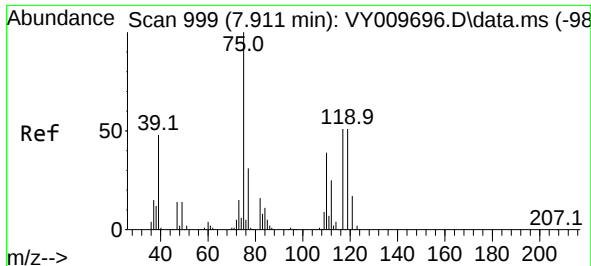
Tgt Ion:114 Resp: 376020
Ion Ratio Lower Upper
114 100
63 17.3 0.0 43.2
88 14.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 41.001 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

Tgt Ion:113 Resp: 83850
Ion Ratio Lower Upper
113 100
111 101.4 82.6 124.0
192 22.2 17.6 26.4

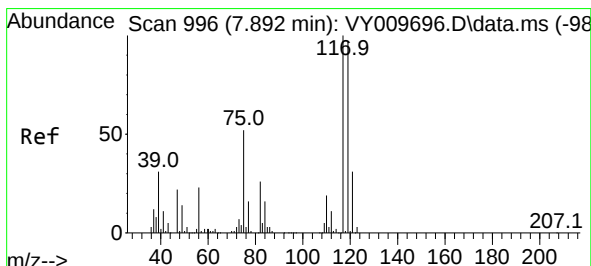
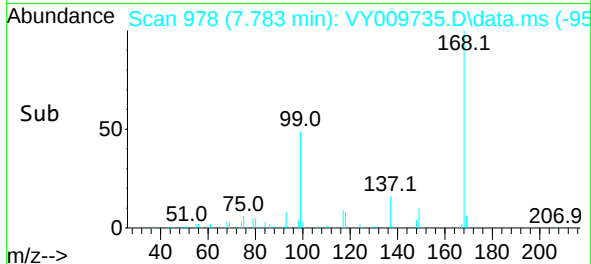
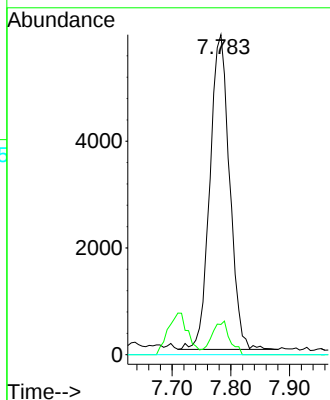
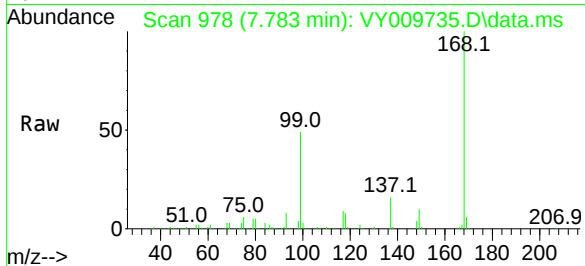




#36
1,1-Dichloropropene
Concen: 4.125 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

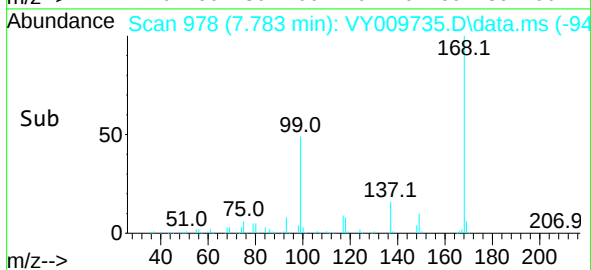
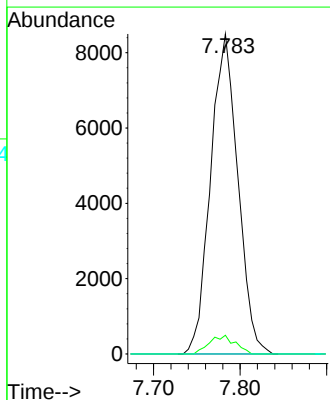
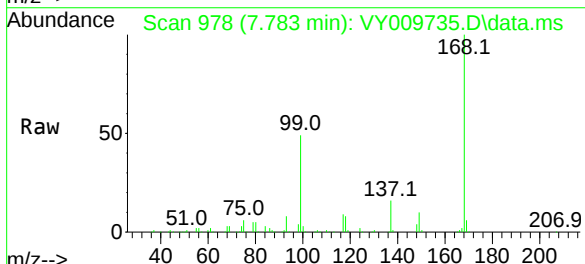
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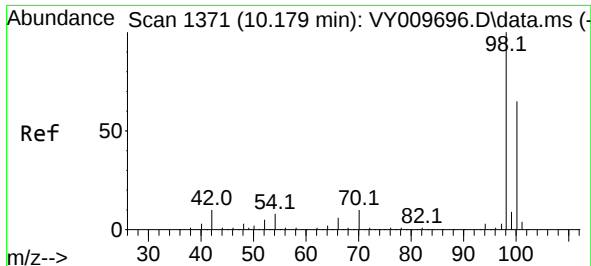
Tgt Ion: 75 Resp: 13728
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.214 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

Tgt Ion: 117 Resp: 18592
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#

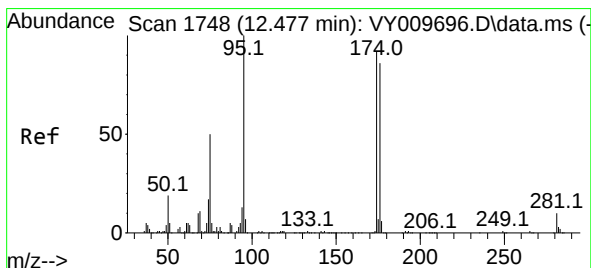
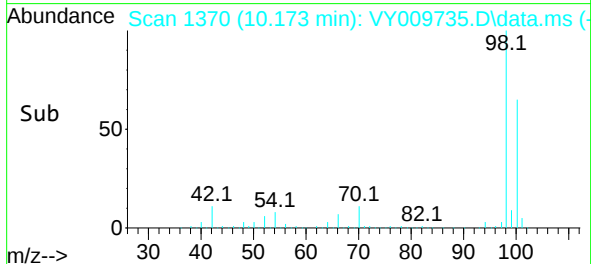
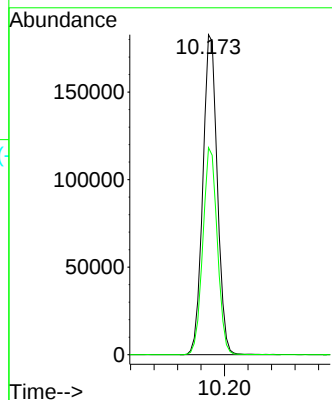
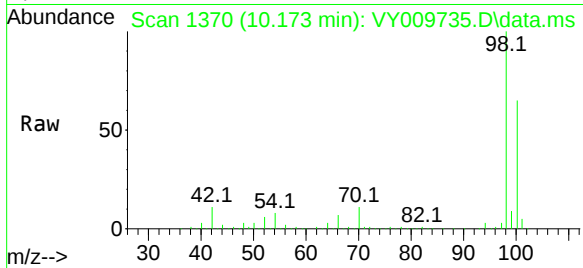




#50
Toluene-d8
Concen: 52.768 ug/l
RT: 10.173 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

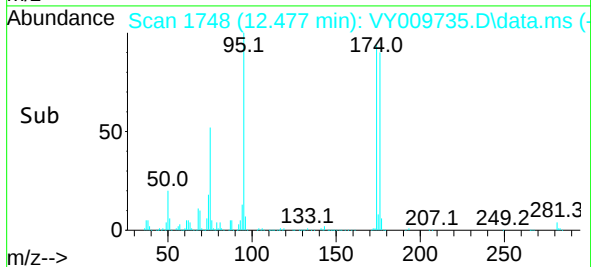
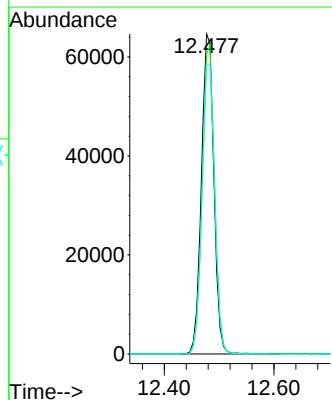
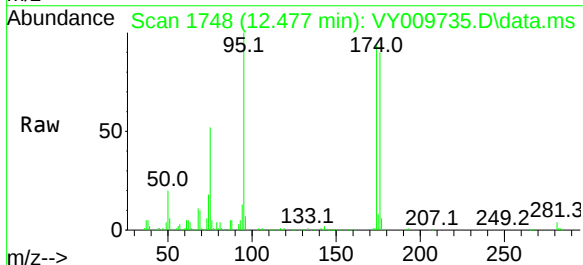
Instrument :
MSVOA_Y
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RVE-16

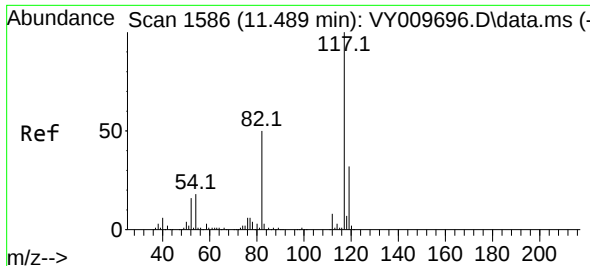
Tgt Ion: 98 Resp: 312885
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 37.652 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

Tgt Ion: 95 Resp: 102102
Ion Ratio Lower Upper
95 100
174 95.6 0.0 177.0
176 91.9 0.0 175.8

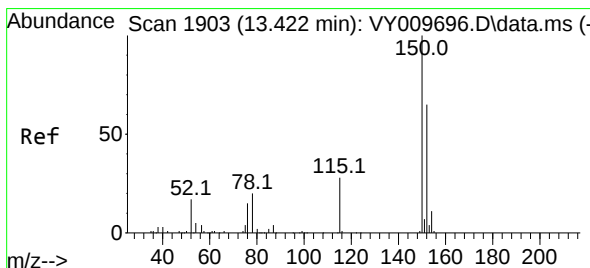
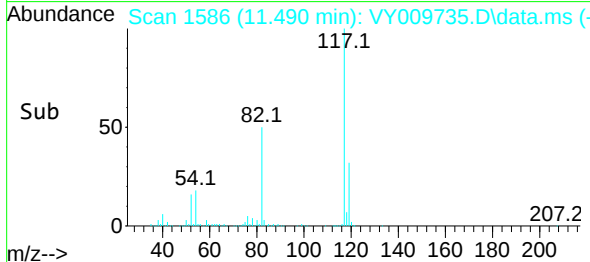
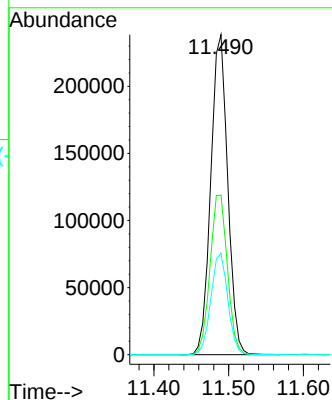
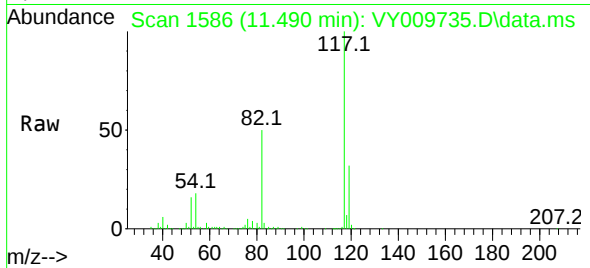




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

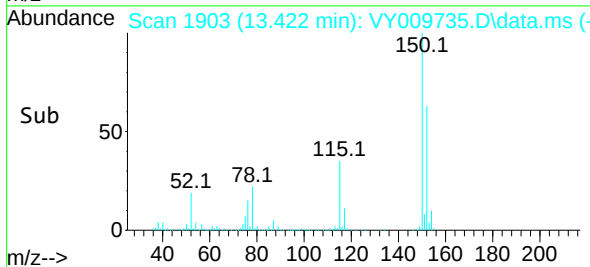
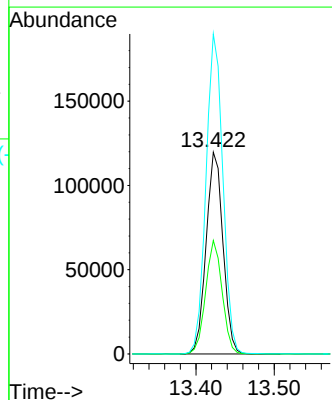
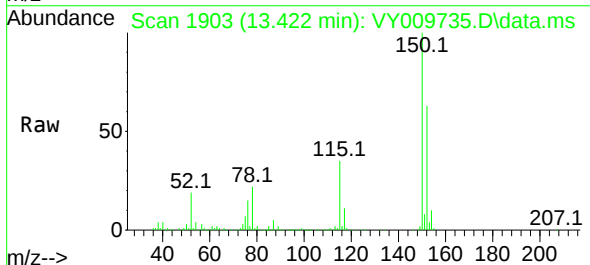
Instrument :
MSVOA_Y
ClientSampleId :
RVE-16

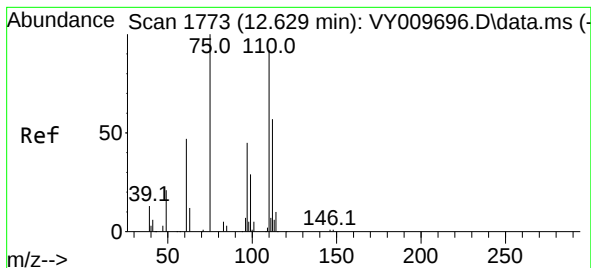
Tgt Ion:117 Resp: 376087
Ion Ratio Lower Upper
117 100
82 49.8 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009735.D
Acq: 27 Jul 2022 19:23

Tgt Ion:152 Resp: 178670
Ion Ratio Lower Upper
152 100
115 55.1 28.2 84.7
150 158.5 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 31.270 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009735.D

Acq: 27 Jul 2022 19:23

Instrument :

MSVOA_Y

ClientSampleId :

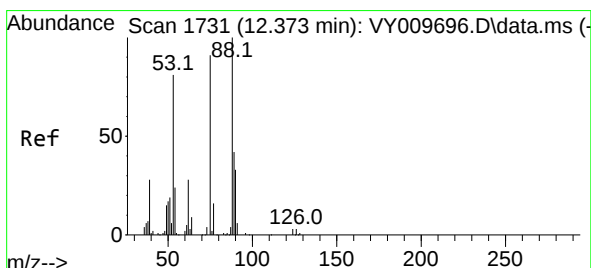
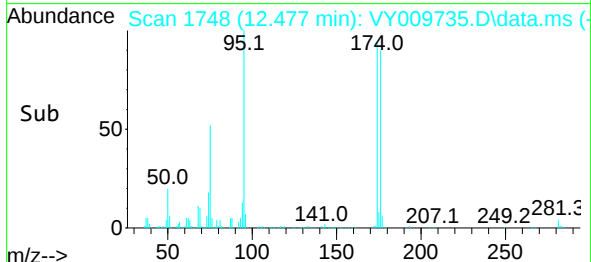
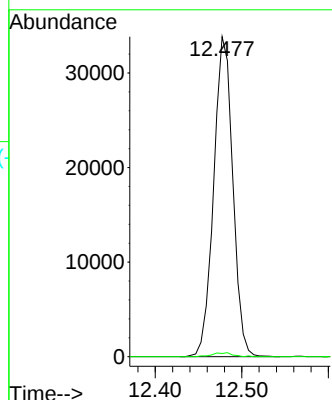
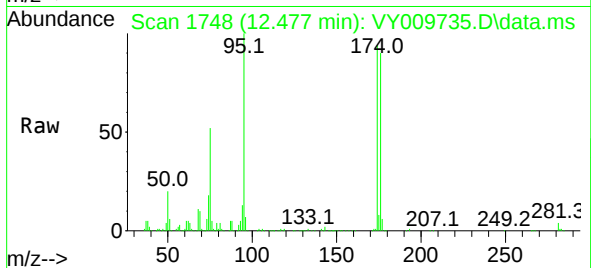
RVE-16

Tgt Ion: 75 Resp: 51895

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.330 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY009735.D

Acq: 27 Jul 2022 19:23

Tgt Ion: 75 Resp: 51895

Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.2 37.0 55.4#

